Appendix A
Permits, Notifications, and Approvals

Planning & Development Services

1800 Continental Place ◆ Mount Vernon, WA 98273
360- 416-1320 ◆ pds@co.skagit.wa.us ◆ www.skagitcounty.net/planning

Demolition Permit

Permit: **BP23-0480**
Issue date: **06 09, 2023**

Description: Demo of administration building, filteration and sediment basins
Job address: 14489 RIVER BEND ROAD MV

Parcel No: P21669

Applicant: City Of Anacortes & Finance Dept
PO Box 547
Anacortes WA
98221
Contractor: 3 Kings Enviromental Inc
PO Box 280
Battle Ground WA
98604
Owner: City Of Anacortes & Finance Dept
PO Box 547
Anacortes WA
98221

Washington State Law does not allow disposal of demolition debris by burning.

Solid Waste Disposal	Public Works, 360-336-9400
Hazardous material (paints, asbestos)	Northwest Clean Air Agency, 360-428-1617
Erosion & Sediment Control	Planning & Development Services, 360-416-1320
Utilities	Sewer, water, and gas must be properly disconnected.
Septic tanks	Must be inerted by backfill or removal and backfill.
Wellheads	Must be capped.

"Construction or work for which a permit is required shall be subject to inspection by the building official and such construction or work shall remain accessible and exposed for inspection purposes until approved." IBC 109.1 "The final inspection shall be made after all work required by the building permit is completed." IBC 109.5. This permit does not grant any right to trespass on another's property. *This permit will expire six months from the date of issuance.*

This document was issued electronically to the owner or agent authorized at the above location.

Item#	Description	Account Code	Tot Fee	Paid Prv. Pmts	Cur. Pmts	
1000	Building Permit 128	31704221	28.08	28.08	28.08	.00

Total fees: $28.08
Total payments: $28.08

Additional Requirements:

Cond: DEMO/FIRE
Northwest Clean Air Agency bans burning of construction and

demolition debris, including lumber scraps under NWCAA Regulation 502.4. See regulations at www.nwcleanairwa.gov or 360-428-1617.
Cond: BURN
It is illegal to burn construction or demolition debris.
See the Outdoor Burning pamphlet included in your packet.
Cond: DECOM
When demolition of a structure takes place that will involve abandonment of a well or septic system, the decommissioning and abandonment shall be in accordance with WAC 173-160-381 for wells and WAC 246-272A-0300 and SCC 12.05.190 for septic systems. Contact the Skagit County Health Department for additional information.
Cond: DEMO
When project is complete, notify the Assessor's office to have your structure removed from the tax rolls.
Cond: PW-1
This project shall comply with all requirements of Skagit County Code 14.32.060 Erosion and Sediment Control.

Skagit County
Stormwater & TESC Inspection Checklist
BP23-0767

Call 360-416-1330 to request an inspection a minimum of 48 hours in advance.

Send special inspection reports to: pdsbuilding@co.skagit.wa.us

If project revisions are required, send revisions to: pds@co.skagit.wa.us *(Please allow sufficient time for County staff to review revisions)*

The **checked boxes below are required inspection(s) for this permit**. Call 360-416-1330 for an inspection.

	Approval:	Date:
☐ Preconstruction meeting required. Call 360-416-1330 to schedule……	_____	_____
☐ Pre-clearing/grading site visit. Call 360-416-1330 to schedule……..	_____	_____

Temporary Erosion & Sediment Control (TESC):

Checked items below are the minimum required for this project. All applicable and appropriate TESC BMP's (best management practice) must be installed as site conditions dictate. Additional TESC BMP's may be required by site inspector and/or project CESCL.

	Approval:	Date:
☒ Work/Clearing Limits/High Visibility Fence (BMP C103)……	_____	_____
☒ Silt Fence or straw wattles (BMP C233 & BMP C235)……	_____	_____
☒ Stabilized Construction Entrance (BMP C105)……..	_____	_____
☒ Concrete Washout Area (BMP C154)…..……..	_____	_____
☐ Sediment pond/trap (BMP C240/C241)…….	_____	_____
☒ Temporary & Permanent Seeding/Sodding (BMP C120/C124)…….	_____	_____

Stormwater Infrastructure Inspections:

☐ Stormwater conveyance infrastructure……..	_____	_____
Storm pipes must be inspected when installed, but prior to backfilling		
☐ Filtration/Bio-filtration Swales……..……	_____	_____
☐ Inlet/Outlet Protection……..	_____	_____
☒ Permanent Site Stabilization/Landscaping/Amended Soils……	_____	_____

All soils disturbed during construction must be permanently stabilized by final inspection. A minimum of 75 percent of vegetation cover must be germinated/established by final inspection.

Grading/Site Work Inspections: (Special inspections by an approved testing agency may be required)

☐ Retaining/landscape wall(s)..……..……..	_____	_____
☐ ADA Striping/Parking stall striping, dimensions and grade/slope……..	_____	_____
☐ Curb, Gutter and Sidewalk……..……..	_____	_____
☐ Asphalt/Concrete Paving……...……..	_____	_____
☐ Gravel/Top Course/Crushed Surfacing……..	_____	_____
☐ Subgrade……..……..	_____	_____
☐ Base Course……..	_____	_____

Other: Please allow stormwater staff sufficient time to review any required documents. Depending on current staff workloads, review may take a few weeks.

☐ Special Inspections — Send special inspection reports to pdsbuilding@co.skagit.wa.us. Special inspections may include, but are not limited to compaction reports, concrete reports, asphalt reports, etc.
☐ As-built record drawings (SCC 14.32.160) — Record drawings may require certification by project engineer. Review by stormwater staff required.
☐ Drainage easements (SCC 14.32.150) — Stormwater staff must review prior to recording with Skagit County Auditor.
☐ Right of access documents (SCC 14.32.160)— Stormwater staff must review prior to recording with Skagit County Auditor.
☐ Operations & Maintenance Manual (SCC 14.32.160 & SCC 14.32.170)— Stormwater staff must review prior to recording with Skagit County Auditor.

*All documents requiring recording with County Auditor shall meet the Auditors recording requirements. Requirements may be found here
https://www.skagitcounty.net/Departments/AuditorRecording/RecordingDocsmain.htm

Additional requirements for permit BP23-0767

Cond: INSPECTION
No item or element of construction shall be covered or concealed where inspections are required, before requesting such inspection and receiving approval from the building inspector. Inspections will be performed according to the current inspection schedule, except holidays and other days of office closure. Due to limited resources, requests for inspections at specific days, times or periods of time (such as a.m. or p.m.) will be reviewed daily but cannot be guaranteed and shall not reduce the requirement for inspection. If the construction is not ready for inspection at the time of building inspector arrival, re-inspection must be requested for the next, or other, day.
Cond: COMPACTION
Any fill that will support a building requires proof of 90% compaction by an approved testing agency.
Cond: BURN
It is illegal to burn construction or demolition debris. See the Outdoor Burning pamphlet included in your packet.
Cond: CON0026650
Fill and grade approval only. No buildings or utility infrastructure is approved under this permit. Revised permit documents may be required for future development.
Cond: PW-1
This project shall comply with all requirements of Skagit County Code 14.32.060 Erosion and Sediment Control.

Cond: PW-2
All runoff from impervious surfaces and roof & footing drains shall be directed so as not to adversely affect adjacent properties.

Cond: SEDIMENT
Adjacent properties, roads, conveyances and water bodies

shall be protected from sediment deposition by use of appropriate measures.
Cond: SEEDING
All soils exposed during construction must be seeded, planted, landscaped or provided with approved erosion and sedimentation control measures AT, OR PRIOR TO, the final inspection or approval for occupancy. Requests concerning alternatives or exemptions should be directed to a stormwater review technician at Skagit County Planning & Development Services. 360.416.1320

Skagit County Planning and Development Services
Grading Inspection Record

Inspection Request Line: 360-416-1330
Office: 360-416-1320

Permit Number: **BP23-0767**	Owner: **City Of Anacortes & Finance Dept**
	Contractor:**3 KINGS ENVIRONMENTAL INC**

Site Address: **14489 RIVER BEND ROAD MV**

This card shall be available to the inspector at the time of inspection.

	Yes	No
Special conditions	X	
Floodplain	X	

	Check all that apply:	**Approved**	**Date**
	Preconstruction meeting		
X	**Temporary erosion/sedimentation controls**		
	Storm Drain system		
	Detention facility		
	Subgrade		
	Top gravel base		
	Top crushed surfacing		
	Curb, gutter and sidewalk		
	Asphalt		
X	**LID**		
	Fire Marshal/Access		
X	**Final inspection**		

All required inspections shall be completed prior to final. It shall be the duty of the person doing the work authorized by a permit to notify the building official that such work is ready for inspection. UBC 108.3. Failure to comply with inspection requirements may necessitate testing and certification as directed by County Engineer.

Post this card on the site so that it visible from the nearest county road.

About Your Building Permit

Planning & Development Services · 1800 Continental Place · Mount Vernon WA 98273
voice 360-416-1320 · inspections 360-416-1330 · www.skagitcounty.net/planning

Thank you!

Obtaining a building permit is the first step in constructing a safe, legal structure.

Your permit packet should include:

- This handout
- Permit printout
- Approved site plan, construction plans, associated docs
- Approved Stormwater Pollution Prevention Plan
- Yellow inspection card

Now what?

Go forth and construct your project! Be sure to:

- Review any conditions placed on your permit.
- Comply with any clearing limits shown on your site plan.
- Follow your Stormwater Pollution Prevention Plan.
- Follow the plans and design approved for your project.

Keep your permit packet onsite

Your approved permit, inspection card, site plan, and Stormwater Pollution Prevention Plan should be kept on your construction site at all times until final inspection approval.

Get your inspections

Inspections during construction ensure that your project is built to code. Inspections may include:

- Setbacks, foundation footings, walls
- Shear walls
- Framing, plumbing, mechanical
- Blocking and tie-downs (manufactured home)
- Insulation, energy code, drywall
- Skirting and venting (manufactured home)
- Final occupancy

Many inspections are listed on your card, but not all apply to your project. Be sure to call for inspection at each step so that stage of construction can be properly inspected. For example, if you cover your framing with insulation or drywall, you will impede inspections of the framing and may be required to remove the obstructions.

To Schedule an Inspection

Call our 24-hour inspection request line at (360) 416-1330 and leave a voice message with your permit number, site address, and type of inspection. Requests called in before 7:30 a.m. get a same-day inspection. Guemes Island inspections are **only** scheduled on Wednesday and Friday mornings. To talk with the inspectors before they come to inspect, call 416-1320 between 8:00 a.m. and 8:30 a.m. Monday through Friday.

After Each Inspection

Check our website (www.skagitcounty.net/search/permits) the following day to verify your project has been inspected and the inspection recorded in your permit file.

Final Inspection & Occupancy

It is illegal to occupy your new construction until you have been approved for occupancy. For residential construction, your signed inspection card at final inspection serves as your Certificate of Occupancy. Before you get your final, you must satisfy all permit conditions, including:

- pay any outstanding impact fees
- submit your flood elevation certificate
- submit any required as-built

Revisions

If you need to revise your permit, call our office and ask to speak with a permit technician. You can submit your revised plans, including site plan revisions if applicable, in person or by mail.

Expiration

Your permit expires on the date shown on the face of the permit, usually three years from the issue date. If you have not completed your project by the time the permit expires, you have three options.

- Apply in writing to **extend** the permit for six-months. No permit may be extended more than once.
- **Renew** the permit for an additional 3-year period, by paying the renewal fee, which is currently 30% of the cost of the current building permit fee plus $120/hour for review of any modified plans (one-hour minimum).[1]
- **For non-commercial permits that** need only a final inspection, you can final the permit with a fee of $75 for processing and inspection.

[1] SCC 15.04.030(1)(c).

Driveway Standards for Skagit County

Planning & Development Services · 1800 Continental Place · Mount Vernon WA 98273
voice 360-416-1320 · inspections 360-416-1330 · www.skagitcounty.net/planning

A driveway to serve residential *or* commercial uses must meet the following standards from the International Fire Code.[1] These standards are the minimum and apply to all building permits. Roads within a new subdivision must comply with the Skagit County Road Standards.

When Fire Access is Required

You must provide a fire apparatus access road for every facility, building, or portion of a building constructed or moved into or within the jurisdiction when the facility is over 150 feet from a fire apparatus access. Exceptions may be made for minor additions or accessory buildings to existing dwellings when in the opinion of the Fire Marshal the addition or accessory building may not create significantly dangerous situations.

General Design Standards

The standards on the left apply to driveways serving 1-2 residential lots. The standards on the right apply to private roads that serve more than two lots must comply with the Skagit County Road Standards.

	1-2 residential lots	3 or more residential lots or commercial use
Width	12'	20'
Vertical Clearance	13'6"	13'6"
Turning Radius–Inside	20'	20'
Turning Radius–Outside	50'	50'
Turnouts	20' wide and 30' long every 300'	N/A
Road Terminus (for roadways exceeding 150 ft)	Acceptable means of turning around fire apparatus approved by the Fire Marshal	96' cul-de-sac standards or as approved by the Fire Marshal
Bridges	Pursuant to Skagit County Road Standards	Pursuant to Skagit County Road Standards

Standards Based on Grade

All residential and commercial driveways must meet these standards

Grade	Surface	Fire Suppression System	Water Storage
≤ 12%	gravel or equivalent; or concrete, asphalt, or equivalent	Not required	Not required
> 12% and ≤ 14%	concrete, asphalt, or equivalent	Not required	Not required
> 14% and ≤ 16%	gravel or equivalent; or concrete, asphalt, or equivalent	NFPA 13D system required	Not required
> 16%	gravel or equivalent; or concrete, asphalt, or equivalent	NFPA 13D system required	10,000-gallon water storage tank with dry hydrant required for each residence

Notes

- The Fire Marshal may make modifications to these standards if the road is not buildable because of topography, waterways, non-negotiable grades, or similar conditions. These modifications are based on the building being protected by NFPA 13D automatic sprinkler systems, and additional fire protection as required by the Fire Marshal.
- For roads accepted or platted by Skagit County prior to June 11, 1990, the Fire Marshal may modify these standards if firefighting or rescue operations would still be possible.
- For lots not in a fire district and accessible only by water, the access road requirement may be waived if the project meets all of the other requirements of Skagit County Unified Development Code to qualify for a building permit.
- Emergency vehicle access roads or driveways may not be obstructed in any manner, including vehicle parking. Width and clearance requirements consistent with these standards must be maintained at all times.
- Security gates across fire access roads must be approved by the Skagit County Fire Marshal. Security gates must have an approved means of emergency operation by fire personnel.

[1] SCC 15.04.030(2)(f).

HELP INFORMATION

Duct & Blower Door Test Agencies

Planning & Development Services · 1800 Continental Place · Mount Vernon WA 98273
voice 360-416-1320 · inspections 360-416-1330 · www.skagitcounty.net/planning

Alpine Heating and Cooling
1957 Park Ln
Burlington
360-755-5146
gary@alpineheat.com

Arrow Insulation
200 Suzanne Lane
Mount Vernon
360-488-4350
service@arrowconservation.com

Barron Heating & AC
560 S Burlington Blvd
Burlington
360-424-4962
scheduling@barronheating.com

CAZ Energy Services
3883 Hammer Drive
Bellingham
360-389-1056
dan@cazaudits.com

Foss Heating & cooling
33 E. Blackburn Rd. Suite A
Mount Vernon
360-785-6143
info@fossheating.com

Feller Heating & Air
501 Virginia St
Bellingham 360-733-4827
eileenfellerheating.com

Gary's Gasworks
705 Sunset Pond Ln#4
Bellingham
360-734-1634
garytoolb@aol.com

Handy's Heating
17737 State Route 536
Mount Vernon
360-428-0969
kellyb@handysheating.com

Martin Plumbing & Heating
1469 Sunset Ave
Ferndale
360-595-1010
martinplumbingheating@gmail.com

Mike Barnes
Marysville
425-308-6235
Mikeabarnes@msn.com

Mumms Heating
2076 Main St.
Ferndale
360-201-4822
akincharlie915@gmail.com

Opportunity Council
1111 Cornwall Ave. # C
Bellingham
360-734-5121
Sean_slocum@oppco.org

Paragon Heating
Snohomish
425-252-1807
paragonheating@yahoo.com

Progressive Air Systems
17711 W Interurban Blvd.
Snohomish
360-668-9948
pashvac@yahoo.com

Right Way Plumbing & Heating
647-A Sunset Park Drive
Sedro Woolley
360-855-2665
don@rightwayplumb-heat.com

Ronk Bros Heating
210 Northern Ave.
Sedro Woolley
360-855-1025
leah@ronkheating.com

Stilly River Mechanical
26910 92nd Ave NW Ste, 5-204
Stanwood
360-387-3788
office@stillyrivermechanical.com

Tri-County Heating
Marysville
425-293-7189
tricountyheat@gmail.com

Washington Natural Gas
Snohomish WA
425-614-6331
dadams8216@aol.com

West Mechanical Inc
4443 Aldrich Rd
Bellingham
360-734-7599
aaron@westmechanical.net

Rosemary Crawford
Blower Door Testers Inc.
8317 Menzel Lake Rd/PO Box 833
Granite Falls, WA 98252-0833
ronandrosi@msn.com
425 344-8877

- Skagit County does not recommend, endorse, certify, license, guarantee or vouch for any consultant or their qualifications. In addition, Skagit County assumes no liability for any claims that could develop because of using anyone on this list, thus the user does so at their own risk.
- To see more approved WSE Duct Testers. Please visit http://www.energy.wsu.edu/BuildingEfficiency/EnergyCode.aspx

- Please contact Skagit County Planning & Development Service, (360) 416-1320, if you would like to be added to the list.

Inspections- IRC section R109 *in Skagit County*

360-416-1330

Types of Inspections

It is the duty of the person doing the work to call for inspections.

1. **Inspection Requests:** It is your responsibility to notify the building inspector that work is ready for inspection, and to provide access to and means for inspection of such work. For example, if a ladder is required to inspect the work, provide a ladder. Call 360-416-1330 for an inspection.

2. **Location:** The inspector will compare the location of the building with the approved site plan. The building, zoning, critical areas and shorelines all have required setbacks. This is normally done at the footing inspection.

3. **Temporary Erosion and Sediment Control:** The inspector will verify that you have taken steps to prevent stormwater contaminated with sediment, concrete or chemicals from leaving the site. This is normally done at the footing inspection.

4. **Foundation Inspection**: Call for a foundation inspection after the footing forms or posts are set and reinforcing bar is tied in place. The foundation inspection shall include excavations for thickened slabs intended to support bearing walls, partitions, structural supports, or equipment and special requirements for wood foundations.

5. **Floodplain Subfloor Inspection:** Before you begin vertical framing, if you are in a regulated FEMA Flood Hazard area, you must submit documentation from a registered land surveyor that the elevation of the lowest floor and the crawlspace ventilation meets FEMA elevation requirements.

6. **Plumbing, Mechanical, Gas System Inspection**: Call for inspection of plumbing, mechanical, gas and electrical systems before fixtures or appliances are set or installed, and prior to framing inspection.
   Exception: *You can* backfill ground-source heat pump loop systems tested in accordance with Section M2105.1 prior to inspection.

7. **Frame and Masonry Inspection:** Call for inspection of framing and masonry after the roof, masonry, all framing, firestopping, draftstopping and bracing are in place and after the plumbing, mechanical and electrical rough inspections are approved.

8. **Other Inspections:**
   a. **Fire-Resistance-Rated Construction Inspection:** Where fire-resistance-rated construction is required between dwelling units or due to location on property, call for inspection after all wallboard is in place, but before any plaster is applied or wallboard joints and fasteners are taped and finished.
   b. **Wallboard and Braced Wall Inspection:** Call for inspection after all wallboard is in place, but before any plaster is applied or wallboard joints and fasteners are taped and finished. The inspector will verify that the right type of wallboard has been used, and that it has been fastened correctly.
   c. **Special Inspections:** Some projects require periodic or continuous inspection by a certified agency for high strength concrete, high strength bolting, medical gas systems, or other specialized construction. These will be identified by the Project Engineer in design, the Plans Examiner or the Fire Marshal during plan review. Submit the reports to the Building Inspector or Fire Marshal, as directed.

9. **Elevation Certificate:** If you are in a regulated FEMA Flood Hazard area, you must submit an Elevation Certificate for the building, based on finished construction. The documentation must be done by a registered land surveyor.

10. **Final Inspection:** Call for a final inspection after the permitted work is complete and prior to occupancy.

11. **Approval is Required:** The building inspector, upon notification, will make the requested inspections and will indicate whether or not the construction is satisfactory as completed. Any portions that do not comply to comply with the code must not be covered or concealed until approved by the Building Inspector.

For more information contact:
Skagit County Planning & Development Services
1800 Continental Place · Mount Vernon, WA 98273
(360) 416-1320 · Fax (360) 336-9416 · web site address: www.skagitcounty.net

ProtectMyHome.net

What You Should Know About

Hiring a Contractor, Remodeler, or Handyman

Are you planning to hire someone to work on your home or property? **You need to Hire Smart.**

We don't usually think about financial risks when planning a home repair or remodeling project. Yet each year, L&I hears from hundreds of homeowners who've hired someone claiming to be a "contractor."

The vast majority of Washington contractors are honest, skilled, and focused on satisfying their customers. But they also would agree that consumers need to be careful The financial consequence of a bad or abandoned job car be devastating for any homeowner.

What can you do to protect yourself? Make sure you hire a registered contractor.

Contractors **ARE** required to be registered in Washington if they are:

- Doing any work that "adds to or subtracts from real estate."
- Providing advice or consultation on a construction project.
- Developing residential property or "flipping" houses.

Contractors **ARE NOT** required to be registered if they are providing services such as:

- Gutter cleaning.
- Pruning or lawn care.
- Window washing.

What is a registered contractor?

A registered contractor must maintain a surety bond, have liability insurance, and have a Washington business license. All information is available online: **www.Lni.wa.gov/Contractors**.

Washington state *does not* require contractors to pass a competency or skills test to become registered (though L&I does test and license electricians and plumbers.) Still, it is not legal for anyone to perform work, advertise, or submit bids without being a registered contractor.

Washington State Department of Labor & Industries

How do bond and insurance requirements in Washington contractor laws help protect homeowners?

- **They give you financial recourse:** Required *bonds* give homeowners some financial recourse if the job is left unfinished or you are not satisfied with it. In these cases, you may take civil action in Superior Court against a contractor's bond. General contractors must post a $12,000 bond, and specialty contractors, such as painters or landscapers, a $6,000 bond.
- **They can cover damage:** The contractor's required general *liability insurance* coverage of $50,000 covers damage to your property; the $200,000 public liability insurance covers other personal damages.
- **They provide a 'known' business to work with:** A required current Washington *business license* ensures the contractor is not a 'fly by night' company and—if the contractor has employees—they are covered by workers' compensation insurance, obtained through L&I.

Note: You may ask to see your contractor's liability insurance policy

This will help you verify what it covers. Many liability insurance policies for contractors include *'construction defect'* clauses and/or *'exclusions for work outside of the contractor's normal business practices'*. Reviewing your contractor's policy with your own insurance agent may be advisable, especially for larger projects.

Check out **www.ProtectMyHome.net**

It's L&I's online toolbox for homeowners looking for the right contractor, where you can:

- Verify a contractor's Washington registration.
- Find out how long they've been registered and if they have workers' compensation insurance for any employees they may have on your property.
- Check for any pending or past legal actions against the contractor and their bonding company, other business names used in the past, and any past infractions.
- Download a copy of our *Hire Smart Worksheet*.
- Get step-by-step advice on how to hire a contractor.

Before you hire a contractor or remodeler:

Hire smart. L&I can help.

1. Verify their contractor registration.
2. Get three written bids.
3. Don't pay in full until the job gets done.

For more "Hire Smart" tips, go to:
www.ProtectMyHome.net

If you hire a person who is *not* a registered contractor, be aware and manage the risks.

If you *do* decide to hire someone who is *not* a registered contractor, you *could* be considered that person's employer, with wage, tax, workers' comp, safety, and record-keeping requirements.

To protect yourself from risk and liability—if you are *not* working with a registered contractor—be sure to:

- **Get workers' compensation insurance through L&I:** If your worker gets hurt, it will pay medical expenses and protect you from being sued. (See Page 4.)
- **Pay at least the minimum wage.** Find the current required hourly wage at **www.Lni.wa.gov/WorkplaceRights**.
- **Keep track of hours worked:** You must pay overtime after 40 hours in a given week. Also, if the worker later claims you failed to pay wages correctly, you will have a record.
- **Pay/withhold taxes due on the wages:** Go to **www.BizGuide.wa.gov** for information.

Heads up! Don't pay twice.

Did you know that you, the property owner, are ultimately responsible for ensuring suppliers, subcontractors and workers are paid? If your contractor doesn't pay them, they have the right to file a lien on *your* property to obtain payment.

Learn more in Publication F625-017-000, *Facts About Construction Liens*.

Be wary of contractors who:

- Provide credentials or references that can't be verified.
- Offer a special price only if you "sign today" or use other high-pressure sales techniques.
- Accept only cash, require large deposits or the entire cost upfront.
- Ask you to pay in their name, rather than the name of a business.
- Do not provide a written contract or complete bid.
- Ask you to pick up the building permit, usually a contractor requirement. (Permits are for your protection: they help ensure you'll meet building codes.)
- Offer exceptionally long warranties.
- Want to do most or all the work on weekends and after-hours.
- Give you an offer that sounds "too good to be true."

Protect yourself with permits

Your contractor should obtain all the necessary permits. If you do the work youself, you would need to check which permits are required and obtain them if necessary.

- Building permits: Contact your local county or city building department.
- Electrical permits: **www.Lni.wa.gov/ElecPermit.**
- Manufactured homes permits: L&I must approve plans and inspect both new and 'altered' manufactured/factory-assembled homes and recreational vehicles for safety. Call your local L&I office or go to **www.Lni.wa.gov/FAS**.
- Elevator permits for any stair-lifter, pool lifting device or other conveyance. For information, call L&I's Elevator Program: 360-902-6130.

If you do choose to open a workers' comp account, here's how:

If you are hiring people for new construction, remodeling work, or a property addition, and choose to have L&I workers' comp insurance for protection, here are the steps:

- Go to **www.BizGuide.wa.gov** and fill out a Master Business Application. Or visit any L&I or WA Dept. of Revenue Business Licensing Office to get an application in person. (Find a Revenue office: **www.bls.dor.wa.gov** or call 1-800-451-7985.)
- Make sure you check the box that asks if you are hiring workers.
- The application will be routed to L&I and an account manager will contact you to set up the workers' comp account. The entire process usually takes two weeks. Workers' comp premiums for construction workers vary (from under $2 per hour to $6 per hour or more for jobs with a higher risk of injury). The coverage provides full medical benefits for the worker if injured on your job.

IMPORTANT: Most homeowner policies do not cover workers, so if you decide to hire someone who is not a registered contractor, check with your insurance agent. If you don't have workers' comp coverage, you could be legally liable for a worker's injury costs and would be unprotected from lawsuits.

Call L&I's Employer Services program for more information: 360-902-4817.

L&I has offices throughout Washington ready to help you

Aberdeen: 360-533-8200
Bellevue: 425-990-1400
Bellingham: 360-647-7300
E. Wenatchee: 509-886-6500
Everett: 425-290-1300
Kelso: 360-575-6900
Kennewick: 509-735-0100
Moses Lake: 509-764-6900
Mt. Vernon: 360-416-3000
Pullman: 509-334-5296
Sequim: 360-417-2700
Silverdale: 360-308-2800
Spokane: 509-324-2600
Tacoma: 253-596-3800
Tukwila: 206-835-1000
Tumwater: 360-902-5799
Vancouver: 360-896-2300
Yakima: 509-454-3700

More resources

- **Office of the Attorney General, Washington State**

  For consumer information or to file a complaint:

  Online: **www.atg.wa.gov/safeguarding-consumers**

  Phone: 1-800-551-4636

- **Better Business Bureau**

  To check out a business or file a complaint:

  Online: **www.bbb.org**

  Phone: 206-431-2222 (western Washington)
  509-455-4200 (eastern Washington)

Contractor information at L&I

- **www.ProtectMyHome.net**
- **www.Lni.wa.gov/HiringAContractor**
- Call toll-free: 1-800-647-0982

Upon request, foreign language support and formats for persons with disabilities are available. Call 1-800-547-8367. TDD users, call 360-902-5797. L&I is an equal opportunity employer.

PUBLICATION F625-084-000 [02-2018]

SKAGIT COUNTY

Minimum Requirement #2*
Construction Stormwater Pollution Prevention

The objective is to control erosion and prevent sediment and other pollutants from leaving the site during the construction phase of a project. Compliance is required of all projects.

Twelve Elements of Construction Stormwater Pollution Prevention

Element 1: Mark the Clearing Limits

Prior to beginning land disturbing activities, including clearing and grading, all clearing limits, sensitive areas and their buffers, and trees that are to be preserved within the construction area should be clearly marked, both in the field and on the plans, to prevent damage and offsite impacts.

Element 2: Establish the Construction Access

Construction vehicle access and exit shall be limited to one route if possible. Access points shall be stabilized with quarry spall or crushed rock to minimize the tracking of sediment onto public roads. Public roads shall be cleaned thoroughly at the end of each day.

Element 3: Control the Flow Rates

Properties and waterways downstream from development sites shall be protected from erosion due to increases in the volume, velocity, and peak flow rate of stormwater runoff from the project site. Any flow control facilities, if required, shall be functional prior to construction of site improvements, and protected from siltation during the construction phase.

Element 4: Install Sediment Controls

The duff layer, native topsoil, and natural vegetation shall be retained in an undisturbed state to the maximum extent practicable. Sediment ponds, vegetated buffer strips, sediment barriers or filters, dikes, and other protective measures intended to trap sediment on-site shall be constructed as one of the first steps in grading. These protective measures shall be functional before other land disturbing activities take place.

Element 5: Stabilize Soils

All exposed and unworked soils shall be stabilized by application of effective protective measures that protect the soil from the erosive forces of raindrop impact and flowing water, and wind erosion. From October 1 through April 30, no soils shall remain exposed and unworked for more than 2 days. From May 1 to September 30, no soils shall remain exposed and unworked for more than 7 days. Applicable practices include, but are not limited to, temporary and permanent seeding, sodding, mulching, plastic covering, soil application of polyacrylamide (PAM), early application of gravel base on areas to be paved, and dust control. Soil stockpiles must be stabilized and protected with sediment trapping measures.

Element 6: Protect Slopes

Cut and fill slopes shall be designed and constructed in a manner that will minimize erosion. Consider soil type and its potential for erosion. Divert drainage, including stormwater from off-site, from flowing over the slope. Diverted flows shall be redirected to the natural drainage location at or before the property boundary. Contain collected flows in pipes, slope drains, or protected channels. Check dams, or partial barriers, typically constructed of rock or pea-gravel filled bags, shall be placed at regular intervals to reduce the flow velocity within trenches that have a gradient greater than 4%. Stabilize soils on slopes, as specified in Element #5.

*These requirements are from the Western Washington Phase II Municipal Stormwater Permit. Last updated 5/14/2015.

Element 7: Protect Drain Inlets

All storm drain inlets made operable during construction shall be protected so that stormwater runoff shall not enter the conveyance system without first being filtered or treated to remove sediment.

Element 8: Stabilize Channels and Outlets

Stabilization, including armoring material such as rock, adequate to prevent erosion of outlets, adjacent streambanks, slopes and downstream reaches shall be provided at the outlets of all conveyance systems.

Element 9: Control Pollutants

All pollutants, including waste materials and demolition debris, that occur on-site during construction shall be handled and disposed of in a manner that does not cause contamination of stormwater. Management of pH-modifying sources shall prevent contamination of runoff and stormwater collected on the site. These sources include, but are not limited to, bulk cement, cement kiln dust, fly ash, new concrete washing and curing waters, waste streams generated from concrete grinding and sawing, exposed aggregate processes, and concrete pumping and mixer washout waters.

Element 10: Control De-Watering

All foundation, vault, and trench de-watering water, which has similar characteristics to stormwater runoff at the site, shall be discharged into a controlled conveyance system, prior to discharge to a sediment trap or sediment pond.

Element 11: Maintain BMPs

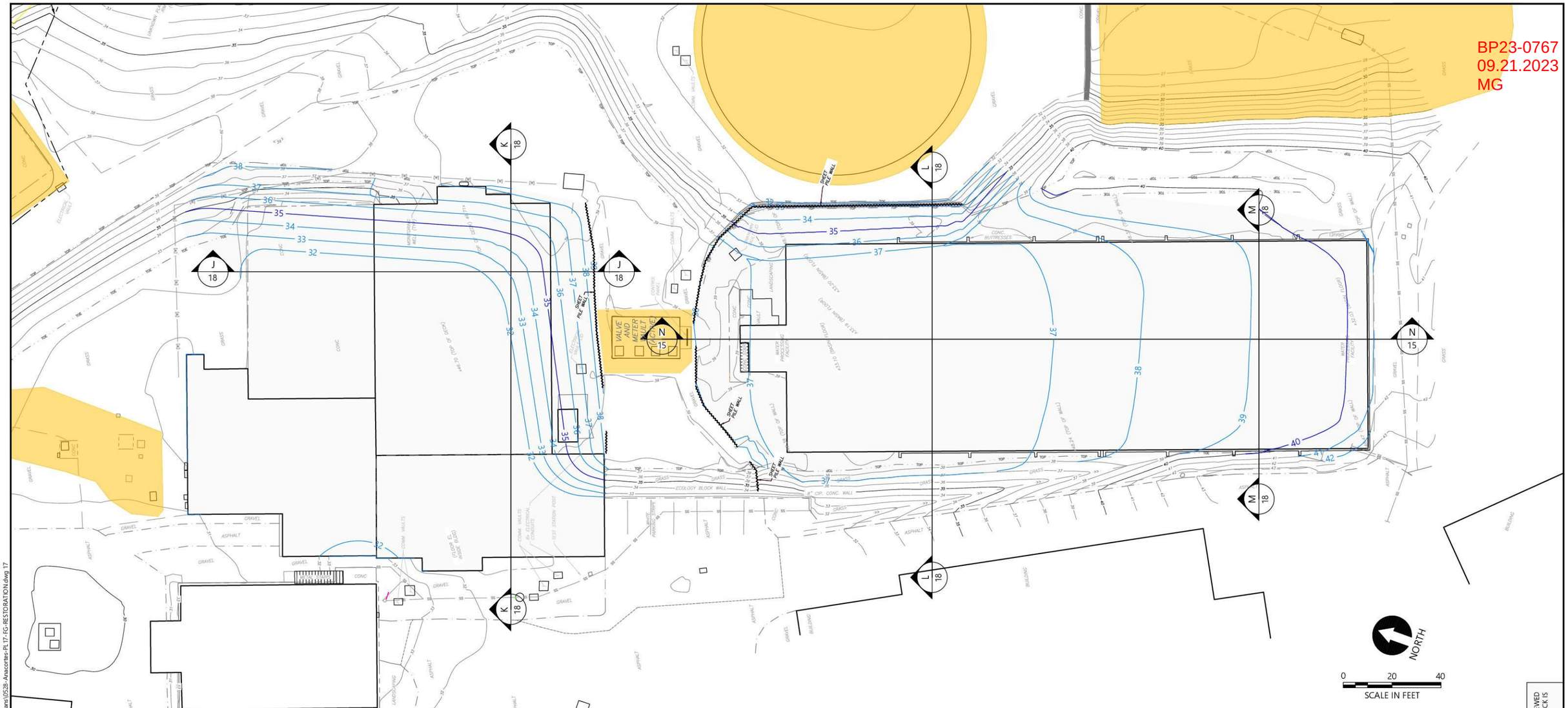
Best Management Practices (BMPs) are activities, protective measures, and maintenance procedures that, when used singly or in combination, prevent or reduce the impacts of erosion and sediment transport. All temporary and permanent erosion and sediment control BMPs shall be maintained and repaired as needed to assure continued performance of their intended function. Sediment control BMPs shall be inspected weekly or after a runoff-producing storm event during the dry season and daily during the wet season. All temporary erosion and sediment control BMPs shall be removed within 30 days after final site stabilization is achieved or after the temporary BMPs are no longer needed. Trapped sediment shall be removed or stabilized on site. Disturbed soil areas resulting from removal of BMPs or vegetation shall be permanently stabilized.

Element 12: Manage the Project

Phasing of Construction - Development projects shall be phased where feasible in order to prevent, to the maximum extent practicable, the transport of sediment from the development site during construction. Revegetation of exposed areas and maintenance of that vegetation shall be an integral part of the clearing activities for any phase. Clearing and grading activities shall minimize removal of existing trees and minimizing disturbance/compaction of native soils except as needed for building purposes. If clearing and grading are proposed between October 1 and April 30, silt-laden runoff will be prevented from leaving the construction site by application of erosion and sediment control measures.

*These requirements are from the Western Washington Phase II Municipal Stormwater Permit. Last updated 5/14/2015.

BP23-0767
09.21.2023
MG



Land Disturbance Limits
Land disturbance/clearing limits are limited to what is shown on the approved site plan. Any increased land disturbance must be reviewed by Skagit County PDS and may incur additional requirements.

Impervious Surfaces Limited
to what is shown on approved site plan any increase in hard surface and/or change in surface materials (i.e. gravel to asphalt) must be reviewed, and approved by **SKAGIT COUNTY PDS** prior to making the revision. Any revisions may incur additional requirements.

A hard copy of the approved site plan(s) and SWPPP shall be kept on-site during construction. Plans shall be on-site and readily available for inspector's review and use.

Grading Approval Only
Future site improvements may require additional permitting

LEGEND:
- FINAL GRADING LIMITS
- 35 / 34 PROPOSED TOPOGRAPHIC CONTOURS (1' & 5' INTERVALS)
- EXCLUSION ZONE

APPROVED DRAINAGE PLAN
APPROVED BY JC
DATE 12/20/2023 # BP23-0767
2019 DOE SWMM

NOTES:
1. HORIZONTAL DATUM: WASHINGTON STATE PLANE NAD83/11, NORTH ZONE, US FEET
2. VERTICAL DATUM: NAVD88
3. SURVEY BY PACIFIC SURVEY & ENGINEERING, INC., DATED DECEMBER 2021. ROAD SURVEY BY STANTEC, DATED APRIL 18, 2019.
4. CUT SHEET PILE WALLS 0.5' ABOVE NEW GRADE
5. REFER TO SPECIFICATIONS FOR FILL AND COMPACTION REQUIREMENTS.
6. REFER TO DRAWING 2 FOR ADDITIONAL LEGEND.

ISSUED FOR BID

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ANACORTES 1891

REBECCA L. DESROSIERS — STATE OF WASHINGTON — 21609 — REGISTERED PROFESSIONAL ENGINEER
DATE 2.02

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: S. HATHAWAY
DRAWN BY: R. PETRIE
CHECKED BY: R. DESROSIERS
APPROVED BY: R. DESROSIERS
SCALE: AS NOTED
DATE: JANUARY 2023

FORMER WATER TREATMENT PLANT DEMOLITION PROJECT
PROJECT #22-204-WTR-001

FINAL GRADING PLAN

17

SHEET # 17 OF 19

k:\Projects\0528-city of anacortes\wtp cleanup and demo\construction plans\0528-Anacortes-Pl.17-FG-RESTORATION.dwg 17
Jan 31, 2023 6:12pm rpetrie

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

BP23-0767
09.21.2023
MG

Impervious Surfaces Limited
to what is shown on approved site plan any increase in hard surface and/or change in surface materials (i.e. gravel to asphalt) must be reviewed, and approved by **SKAGIT COUNTY PDS** prior to making the revision. Any revisions may incur additional requirements.

Land Disturbance Limits
Land disturbance/clearing limits are limited to what is shown on the approved site plan. Any increased land disturbance must be reviewed by Skagit County PDS and may incur additional requirements.

Fuel Tanks

Generators

CONTOURS ARE ESTIMATED IN THIS AREA

123'-7"

110'-1"

237'-8"

85'-11"

124'-10"

20,395 sf

20,566 sf

50'-5"

20'-1"

52'-7"

92'-6"

Catch Basin - Plugged off

Sump Location to Collect and Pump Water

310 Ft to Levee

CLEARWELL (BELOW CONCRETE LID) (INACTIVE)
FILTRATION BASIN (INACTIVE)
CONTROL ROOM ADMINISTRATION BUILDING (INACTIVE)
CONTROL ROOM ADMINISTRATION BUILDING
HIGH SERVICE PUMP STATION BUILDING #3 (ACTIVE)
CLEARWELL NO. 2 (ACTIVE)
SEPTIC DRAIN FIELD (ACTIVE)
PIPE VAULT (INACTIVE)
CONC. SEDIMENTATION (INACTIVE)
PIPE CHASE

SOURCE: SURVEY BY PACIFIC SURVEY & ENGINEERING, INC., DATED DECEMBER 2021. ROAD SURVEY BY STANTEC, DATED APRIL 18, 2019.
HORIZONTAL DATUM: WASHINGTON STATE PLANE NAD83/11, NORTH ZONE, US FEET
VERTICAL DATUM: NAVD88

A hard copy of the approved site plan(s) and SWPPP shall be kept on-site during construction. Plans shall be on-site and readily available for inspector's review and use.

LEGEND:

- 36 — 1' INTERVAL EXISTING TOPOGRAPHIC CONTOURS
- Project Area
- Straw Wattles
- Silt Fence
- Soil Excavation Area
- Structures to be demolished and depressions backfilled and hydroseeded

NORTH
0 60
Feet

Grading Approval Only
Future site improvements may require additional permitting

Publish Date: 2023/07/14 1:17 PM | User: rpetrie
Filepath: K:\Projects\0528-City of Anacortes\FWTP Cleanup and Demo\Figures\0528-Anacortes-RP04-Site Plan.dwg Site

ANCHOR QEA

CITY OF ANACORTES

3 Kings Environmental, Inc
Site Address: 14489 River Bend Rd. Mount Vernon, WA 98273
Parcel Number: P21669
Date: 8/3/2023 DOE Stormwater Permit # Pending

APPROVED DRAINAGE PLAN
APPROVED BY JC
DATE 12/20/2023 # BP23-0767
2019 DOE SWMM

Site Plan
Former Water Treatment Plant Demolition Project
Mount Vernon, WA

Skagit County
Planning & Development Services

1800 Continental Place ◆ Mount Vernon, WA 98273
360- 416-1320 ◆ pds@co.skagit.wa.us ◆ www.skagitcounty.net/planning

Grading Permit #: BP23-0767

Status: Issued
Issue date: 01/11/2024
Expire date: 01/10/2027
Renewal Expire date:

Description of work:
Former Water Treatment Facility Demo and removal of PCB soils

Job address: 14489 RIVER BEND ROAD MV

Location: 14489 River Bend Road

Parcel No: p21669
P21797

Applicant: City Of Anacortes & Finance Dept

PO Box 547
Anacortes WA 98221

Owner: City Of Anacortes & Finance Dept

PO Box 547
Anacortes WA 98221

Contractor: 3 KINGS ENVIRONMENTAL INC
3KINGEI036K3
21605 B NE 10TH AVE
RIDGEFIELD WA KING, PAULA M 98642

Greater quantity of cut or fill: , cubic yards

This document was issued electronically to the owner or agent authorized at the above location.

The permittee shall notify the buildling official when the grading operation is ready for final inspection. Final approval shall not be given until all work, including installation of all drainage facilities and their protective devices, and all erosion-control measures have been completed in accordance with the final approved grading plan, and the required reports have been submitted." *UBC 3318.2.* **This permit will expire three years from the date of issuance.**

Additional requirements:

BP23-0767

1 No item or element of construction shall be covered or concealed where inspections are required, before requesting such inspection and receiving approval from the building inspector. Inspections will be performed according to the current inspection schedule, except holidays and other days of office closure. Due to limited resources, requests for inspections at specific days, times or periods of time (such as a.m. or p.m.) will be reviewed daily but cannot be guaranteed and shall not reduce the requirement for inspection. If the construction is not ready for inspection

at the time of building inspector arrival, re-inspection must be requested for the next, or other, day.

2 Any fill that will support a building requires proof of 90% compaction by an approved testing agency.

3 It is illegal to burn construction or demolition debris. See the Outdoor Burning pamphlet included in your packet.

4 Fill and grade approval only. No buildings or utility infrastructure is approved under this permit. Revised permit documents may be required for future development.

5 This project shall comply with all requirements of Skagit County Code 14.32.060 Erosion and Sediment Control.

6 All runoff from impervious surfaces and roof & footing drains shall be directed so as not to adversely affect adjacent properties.

7 Adjacent properties, roads, conveyances and water bodies shall be protected from sediment deposition by use of appropriate measures.

8 All soils exposed during construction must be seeded, planted, landscaped or provided with approved erosion and sedimentation control measures AT, OR PRIOR TO, the final inspection or approval for occupancy. Requests concerning alternatives or exemptions should be directed to a stormwater review technician at Skagit County Planning & Development Services. 360.416.1320

Permit #: BP23-0767

Applicant: City Of Anacortes & Finance Dept PO Box 547

Anacortes WA

Fee Summary:

Description	Tot Fee	Paid
Fill & Grade Permits	427.66	427.66
Fill & Grade Plan Check	277.98	277.98

Total fees: **$705.64**

Total payments: **$705.64**

Balance due: **$0.00**

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Project dates and notice type

Notice date: 05/31/2023

Notice type: Initial

Project dates: 06/26/2023 to 12/26/2023

Work hours

You will work these times:
7:00am to 3:30pm
...on these dates:
Monday, Tuesday, Wednesday, Thursday, and Friday from 6/26/2023 to 12/26/2023

Job site location

Address:
14489 River Bend Road
Mount Vernon , WA 98273

County: Skagit

Building: Water Treatment Facility

Room: Administrative Building

Contractor

3 KINGS ENVIRONMENTAL, INC (BATTLE GROUND)

UBI: 601705284

Certification: ABCN00001318

Phone: 253-750-4143

Contact Email: omerritt@3kingsinc.com

Supervisor: Daniel Garcia

Certification: ABAS00030704

Phone: 360-773-5140

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Property owner

Company: City of Anacortes
Owner's agent: Brian McDaniel
Phone: 360-299-1971
Email: brianm@cityofanacortes.com
Address:
PO Box 547
Anacortes, WA 98221

Facility details

Facility type: Commercial
Construction year: Unknown
Size: 3000 sq. feet
Prior use: Water Treatment Facility
Construction type:
demolition

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Project details

Cement Asbestos Board (CAB) - 252 square feet

Outdoors

Removed

Control measures:

- Critical Barriers
- Hepa Vacuum
- Manual Methods
- Wet methods

Respiratory protection:

- 1/2 mask - Air purifying respirator

Mastic - 3000 square feet

Indoors

Removed

Control measures:

- Critical Barriers
- Hepa Vacuum
- Manual Methods
- Negative pressure enclosure
- Wet methods

Respiratory protection:

- 1/2 mask - Air purifying respirator

Sheet Vinyl - 300 square feet

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045 Submitted: 05/31/2023 at 4:37pm	Completed by: Olivia Merritt

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Negative pressure enclosure

Wet methods

Respiratory protection:

Powered air purifying respirator

Other linear footage: Electrical Wire Wrap Bundles - 2000 linear feet

Indoors

Removed

Control measures:

Critical Barriers

Glove Bags

Hepa Vacuum

Manual Methods

Wet methods

Respiratory protection:

Powered air purifying respirator

Other Square Footage: Electrical Insulation Blocks - 20 square feet

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Respiratory protection:

1/2 mask - Air purifying respirator

Other linear footage: Cove Base Mastic - 70 linear feet

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Negative pressure enclosure

Wet methods

Respiratory protection:

1/2 mask - Air purifying respirator

1600 South Second Street
Mount Vernon, WA 98273-5202
ph 360-428-1617
fax 360-428-1620
info@nwcleanairwa.gov
www.nwcleanairwa.gov

Asbestos / Demolition Notification Approval and Permit to Work

Notification #	23-319
Received Date	05/31/2023
Approval Date	05/31/2023
Fee Amount	$ 1,130.00
Receipt #	05827G

Project Site

Water Treatment Facility
14489 River Bend Road
Mount Vernon, WA 98273
Onsite Supervisor Jose Cortes
Supervisor Phone (360) 810-3007

Project Details

Project Type Asbestos removal with demolition

Building Type Other Commercial facility

☐ **Emergency**

Asbestos Project **from** 06/26/2023 **to** 12/26/2023 **Work Schedule** Monday-Friday 7am - 3:30 pm

Estimated Demolition Date 06/26/2023 **Last Amended from** 06/26/2023 **to** 12/26/2023

Square Feet 3,609 **Linear Feet** 2,090

☑ **Survey**

Survey Link [Survey on file with NWCAA]

☐ **Owner Occupied Abatement**

Asbestos Locations Windows, Roofing Drains, Exterior, Kitchen and Electrical Wiring

☐ **Class I** ☑ **Class II** ☐ **Vermiculite** ☑ **Non-friable Fee Exempt Material**

Type of Material Scheduled for Removal

Cement board (CAB), Floor tile (VAT), Mastics, Putty/sealant, Other: Insulator Blocks, Wire Wrap Bundles, Sink Undercoat

Control Methods Water applicator, HEPA vacuum, Decon. area, Negative air machine, Critical barriers, Other: Manual Methods

Owner

Site Owner Jason City of Anacortes
Owner Phone (360) 299-1971

Contractor

3 Kings Environmental
PO Box 280
Battleground, WA 98604

Notification Submitted by Olivia Merritt
Notification Contact Phone (253) 750-4143
Notification Contact Email omerritt@3kingsinc.com

This notification must be posted at the work site.

You must file an amendment if there are any changes to the project scope or schedule.
<http://nwcleanairwa.gov/forms/asbestos-project-amendment/>

Information on asbestos and demolition can be found on the agency website.
<http://nwcleanairwa.gov/permits-and-services/asbestos-and-demolition/>

Asbestos disposal information
<http://nwcleanairwa.gov/download/disposal-information/>

NWCAA asbestos regulations can be found in Section 570 Asbestos Control Standards.
<http://nwcleanairwa.gov/regulation/section-550-590/section-570/>

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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
PO Box 47600, Olympia, WA 98504-7600 • 360-407-6000

August 30, 2023

Jason Hawks
3 Kings Environmental, Inc.
PO Box 280
Battle Ground, WA 98604

RE: Coverage under the Construction Stormwater General Permit (CSWGP)

Permit number:	**WAR312587**
Site Name:	**Anacortes Water Treatment Plant**
Location:	**14489 River Bend Rd**
	Mount Vernon, WA **County: Skagit**
Disturbed Acres:	**1.86**

Dear Jason Hawks:

The Washington State Department of Ecology (Ecology) received your Notice of Intent for coverage under Ecology's Construction Stormwater General Permit (CSWGP). This is your permit coverage letter. Your permit coverage is effective August 30, 2023.

Retain this letter as an official record of permit coverage for your site. You may keep your records in electronic format if you can easily access them from your construction site. You can get the CSWGP, permit forms, and other information at Ecology's CSWGP eCoverage Packet webpage[1]. Contact your Permit Administrator, listed below, if you want a copy of the CSWGP mailed to you. Please read the permit and contact Ecology if you have any questions.

Additional Monitoring
Please refer to the attached Administrative Order, number 22062, for additional monitoring requirements.

Electronic Discharge Monitoring Reports (WQWebDMR)
This permit requires you to submit monthly discharge monitoring reports (DMRs) for the full duration of permit coverage (from first full month of coverage to termination). Your first sampling and reporting period will be for the month of **September** and your first DMR must be submitted by **October 15, 2023**. You must submit DMRs electronically using Ecology's secure online system, WQWebDMR. To sign up for WQWebDMR go to Ecology's

[1] http://www.ecology.wa.gov/eCoverage-packet

WQWebPortal guidance webpage[2]. If you have questions, contact the portal staff at (360) 407-7097 (Olympia area), or (800) 633-6193/option 3, or email WQWebPortal@ecy.wa.gov.

Appeal Process
You have a right to appeal coverage under the general permit to the Pollution Control Hearing Board (PCHB). Appeals must be filed within 30 days of the date of receipt of this letter. Any appeal is limited to the general permit's applicability or non-applicability to a specific discharger. The appeal process is governed by chapter 43.21B RCW and chapter 371-08 WAC. "Date of receipt" is defined in RCW 43.21B.001(2). For more information regarding your right to appeal, please reference Ecology's Focus Sheet: *Appeal of General Permit Coverage*[3].

Annual Permit Fees
RCW 90.48.465 requires Ecology to recover the costs of managing the permit program. Permit fees are invoiced annually until the permit is terminated. Termination conditions are described in the permit. For permit fee related questions, please contact the Water Quality Fee Unit at wqfeeunit@ecy.wa.gov or (800) 633-6193, Option 2. You can also visit Water Quality Permit Fees Webpage[4] for more information.

Ecology Field Inspector Assistance
If you have questions regarding stormwater management at your construction site, please contact your Regional Inspector, Sylvia Graham of Ecology's Bellingham Field Office at sylvia.graham@ecy.wa.gov or (360) 927-4900.

Questions or Additional Information
Ecology is here to help. Please review our Construction Stormwater General Permit webpage[5] for more information. If you have questions about the Construction Stormwater General Permit, please contact your Permit Administrator, Melinda Wilson at melinda.wilson@ecy.wa.gov or (360) 870-8290.

Sincerely,

Jeff Killelea, Manager
Permit and Technical Services Section
Water Quality Program

[2] https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Water-quality-permits-guidance/WQWebPortal-guidance
[3] https://apps.ecology.wa.gov/publications/summarypages/1710007.html
[4] https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-quality-permits/Fees
[5] www.ecology.wa.gov/constructionstormwaterpermit

Appendix B
Contractor Work Plans

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Abatement Submittal

Project:
Water Treatment Facility Demolition
14489 River Bend Road
Mount Vernon, WA 98273

Contractor:
3 Kings Environmental, Inc.
PO Box 280
Vancouver, WA 98685

Project #223060

Table of Contents

TAB 1 - Licenses
TAB 2 - Certifications / Fit Test / Physicals
TAB 3 - First Aid
TAB 4 - Respiratory Program
TAB 5 - Sign In / Sign Out
TAB 6 - Daily Project Log
TAB 7 - Injury Log
TAB 8 - Health and Safety
TAB 9 - Tool Box Safety Meeting
TAB 10 - Hazard Communication Plan
TAB 11 - Job Hazard Analysis
TAB 12 - Contingency Plan
TAB 13 - MSDS
TAB 14 - Equipment
TAB 15 - Waste Manifest
TAB 16 - Lock Out / Tag Out
TAB 17 - Assured Equipment Grounding Program
TAB 18 - Lead In Construction
APPENDIX A - Work Plan
APPENDIX B - Notifications
APPENDIX C - Insurance Certification

TAB 1 - Licenses

STATE OF WASHINGTON

BUSINESS LICENSE

Issue Date: Mar 24, 2023

Profit Corporation

Unified Business ID #: 601705284
Business ID #: 001
Location: 0001
Expires: Apr 30, 2024

3 KINGS ENVIRONMENTAL, INC.
3 KINGS CONTRACTING GROUP
15001 NE 10TH AVE
VANCOUVER WA 98685-1362

UNEMPLOYMENT INSURANCE - ACTIVE
INDUSTRIAL INSURANCE - ACTIVE
MINOR WORK PERMIT - ACTIVE
TAX REGISTRATION - ACTIVE

CITY ENDORSEMENTS:

KELSO GENERAL BUSINESS - NON-RESIDENT #A040002 - ACTIVE
BATTLE GROUND GENERAL BUSINESS - ACTIVE
SHELTON GENERAL BUSINESS - NON-RESIDENT #0058810 - ACTIVE
RIDGEFIELD GENERAL BUSINESS - NON-RESIDENT - ACTIVE
BELLINGHAM GENERAL BUSINESS #036299 - ACTIVE
GIG HARBOR GENERAL BUSINESS - NON-RESIDENT - ACTIVE
LACEY GENERAL BUSINESS - NON-RESIDENT #210806 - ACTIVE
LONGVIEW GENERAL BUSINESS - NON-RESIDENT #781414 - ACTIVE
OLYMPIA GENERAL BUSINESS - NON-RESIDENT #27368 - ACTIVE
WASHOUGAL GENERAL BUSINESS - NON-RESIDENT - ACTIVE
VANCOUVER GENERAL BUSINESS - NON-RESIDENT - ACTIVE
CASTLE ROCK GENERAL BUSINESS - NON-RESIDENT #835.0 - ACTIVE
MOSES LAKE GENERAL BUSINESS - NON-RESIDENT #BL2022-0501 - ACTIVE
LYNNWOOD GENERAL BUSINESS - NON-RESIDENT (EXPIRES 8/31/2023) - ACTIVE
CAMAS GENERAL BUSINESS - NON-RESIDENT - ACTIVE

This document lists the registrations, endorsements, and licenses authorized for the business named above. By accepting this document, the licensee certifies the information on the application was complete, true, and accurate to the best of his or her knowledge, and that business will be conducted in compliance with all applicable Washington state, county, and city regulations.

John Ryser
Director, Department of Revenue

UBI: 601705284 001 0001

3 KINGS ENVIRONMENTAL, INC.
3 KINGS CONTRACTING GROUP
15001 NE 10TH AVE
VANCOUVER WA 98685-1362

FOLD HERE

STATE OF WASHINGTON

UNEMPLOYMENT INSURANCE - ACTIVE
INDUSTRIAL INSURANCE - ACTIVE
MINOR WORK PERMIT - ACTIVE
TAX REGISTRATION - ACTIVE
KELSO GENERAL BUSINESS - NON-RESIDENT #A040002 - ACTIVE
BATTLE GROUND GENERAL BUSINESS - ACTIVE
SHELTON GENERAL BUSINESS - NON-RESIDENT #0058810 - ACTIVE
RIDGEFIELD GENERAL BUSINESS - NON-RESIDENT - ACTIVE
BELLINGHAM GENERAL BUSINESS #036299 - ACTIVE

FOLD HERE

Expires: Apr 30, 2024

John Ryser
Director, Department of Revenue

D-028213-002-A

STATE OF WASHINGTON

BUSINESS LICENSE

Issue Date: Mar 24, 2023

Profit Corporation

Unified Business ID #: 601705284
Business ID #: 001
Location: 0001
Expires: Apr 30, 2024

3 KINGS ENVIRONMENTAL, INC.
3 KINGS CONTRACTING GROUP
15001 NE 10TH AVE
VANCOUVER WA 98685-1362

CITY ENDORSEMENTS:

REDMOND GENERAL BUSINESS - NON-RESIDENT - ACTIVE
BREMERTON GENERAL BUSINESS - NON-RESIDENT #34084 - ACTIVE
PACIFIC GENERAL BUSINESS - NON-RESIDENT #5402 - ACTIVE
BOTHELL GENERAL BUSINESS - NON-RESIDENT #11263 - ACTIVE
AUBURN GENERAL BUSINESS - NON-RESIDENT #BUS-37715 (EXPIRES 12/31/2023) - ACTIVE

DUTIES OF MINORS:

Ages 16-17: Landscaping, Picking Weeds, Mowing Yard

LICENSING RESTRICTIONS:

It is the business's responsibility to comply with minor work permit requirements. See WAC 296-125-030 and WAC 296-125-033 for Non-Agricultural and WAC 296-131-125 for Agricultural guidelines and restricted activities.

Minors must be at least 16 years of age to perform window washing or other work requiring worker to be positioned at higher than ground or floor level. WAC 296-125-033(5)(b)

No person, or business, or those under their control, shall cause or allow the discharge of unauthorized pollutants (e.g. chemicals, oils, detergents, or wastewater) into a City of Redmond storm water drainage system, surface water bodies or groundwater.

REGISTERED TRADE NAMES:

3 KINGS CONTRACTING GROUP

This document lists the registrations, endorsements, and licenses authorized for the business named above. By accepting this document, the licensee certifies the information on the application was complete, true, and accurate to the best of his or her knowledge, and that business will be conducted in compliance with all applicable Washington state, county, and city regulations.

John Ryser
Director, Department of Revenue

UBI: 601705284 001 0001

3 KINGS ENVIRONMENTAL, INC.
3 KINGS CONTRACTING GROUP
15001 NE 10TH AVE
VANCOUVER WA 98685-1362

FOLD HERE

STATE OF WASHINGTON

FOLD HERE

UNEMPLOYMENT INSURANCE - ACTIVE
INDUSTRIAL INSURANCE - ACTIVE
MINOR WORK PERMIT - ACTIVE
TAX REGISTRATION - ACTIVE
KELSO GENERAL BUSINESS - NON-RESIDENT #A040002 - ACTIVE
BATTLE GROUND GENERAL BUSINESS - ACTIVE
SHELTON GENERAL BUSINESS - NON-RESIDENT #0058810 - ACTIVE
RIDGEFIELD GENERAL BUSINESS - NON-RESIDENT - ACTIVE
BELLINGHAM GENERAL BUSINESS #036299 - ACTIVE

Expires: Apr 30, 2024

John Ryser
Director, Department of Revenue

D-028213-002-A

STATE OF WASHINGTON

BUSINESS LICENSE

Issue Date: Mar 24, 2023

Profit Corporation

Unified Business ID #: 601705284
Business ID #: 001
Location: 0001
Expires: Apr 30, 2024

3 KINGS ENVIRONMENTAL, INC.
3 KINGS CONTRACTING GROUP
15001 NE 10TH AVE
VANCOUVER WA 98685-1362

This document lists the registrations, endorsements, and licenses authorized for the business named above. By accepting this document, the licensee certifies the information on the application was complete, true, and accurate to the best of his or her knowledge, and that business will be conducted in compliance with all applicable Washington state, county, and city regulations.

John Ryser
Director, Department of Revenue

UBI: 601705284 001 0001

3 KINGS ENVIRONMENTAL, INC.
3 KINGS CONTRACTING GROUP
15001 NE 10TH AVE
VANCOUVER WA 98685-1362

FOLD HERE

STATE OF WASHINGTON

FOLD HERE

UNEMPLOYMENT INSURANCE - ACTIVE
INDUSTRIAL INSURANCE - ACTIVE
MINOR WORK PERMIT - ACTIVE
TAX REGISTRATION - ACTIVE
KELSO GENERAL BUSINESS - NON-RESIDENT #A040002 - ACTIVE
BATTLE GROUND GENERAL BUSINESS - ACTIVE
SHELTON GENERAL BUSINESS - NON-RESIDENT #0058810 - ACTIVE
RIDGEFIELD GENERAL BUSINESS - NON-RESIDENT - ACTIVE
BELLINGHAM GENERAL BUSINESS #036299 - ACTIVE

Expires: Apr 30, 2024

John Ryser
Director, Department of Revenue

IMPORTANT!

PLEASE READ THE FOLLOWING INFORMATION CAREFULLY BEFORE POSTING THIS LICENSE

General Information

Post this Business License in a visible location at your place of business.

If you were issued a Business License previously, **destroy the old one and post this one in its place.**

Login to My DOR at dor.wa.gov if you need to make changes to your business name, location, mailing address, telephone number, or business ownership.

Telephone: 360-705-6741

Endorsements

All endorsements should be renewed by the expiration date that appears on the front of this license to avoid any late fees.

If there is no expiration date, the endorsements remain active as long as you continue required reporting. Tax Registration, Unemployment Insurance, and Industrial Insurance endorsements require you to submit periodic reports. Each agency will send you the necessary reporting forms and instructions.

For assistance or to request this document in an alternate format, visit http://business.wa.gov/BLS or call (360) 705-6741. Teletype (TTY) users may use the Washington Relay Service by calling 711.

Department of Labor and Industries
PO Box 44450
Olympia, WA 98504-4450

3 KINGS ENVIRONMENTAL INC

Reg: CC 3KINGEI036K3
UBI: 601-705-284

Registered as provided by Law as:
Construction Contractor
(CC01) - GENERAL

575

3 KINGS ENVIRONMENTAL INC
PO BOX 280
BATTLE GROUND WA 98604

Effective Date: 5/23/1997
Expiration Date: 5/9/2025

D-028213-002-A

Department of Labor and Industries
Asbestos Certification Program
PO Box 44614
Olympia, WA 98504-4614

3 KINGS ENVIRONMENTAL, INC

Certificate: ABCN00001318

Contractor Registration: 3KINGEI036K3

Expiration Date: 5/9/2024

8

3 KINGS ENVIRONMENTAL, INC
PO BOX 280
BATTLE GROUND WA 98604

TAB 2 - Certifications / Fit Test / Physicals

We understand there may be cards that have expired or are about to expire. This document will be revised as new cards are recieved. All personnel assigned to this project will have current certifications, fit tests and physicals with them at the job site for inspection.

Labor & Industries (https://lni.wa.gov)

Contractors

ALDAZABA CARRERA, MIGUEL A

Owner or tradesperson ALDAZABA CARRERA, MIGUEL A — PORTLAND, OR 97230
Doing business as
ALDAZABA CARRERA, MIGUEL A

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Worker — Active
Meets current requirements.

License no.
ABAW00028340
Effective — expiration
07/28/2000— 10/22/2023

Continuing education
Course title
Worker Refresher
Completed
10/22/2022
Course code
WA2000-17

Affidavit hours
No affidavit hours reported.

Labor & Industries (https://lni.wa.gov)

Contractors

ALDAZABA CARRERA, SERGIO

Owner or tradesperson ALDAZABA CARRERA, SERGIO — PORTLAND, OR 97233
Doing business as
ALDAZABA CARRERA, SERGIO

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Supervisor — Active
Meets current requirements.

License no.
ABAS00033581
Effective — expiration
12/24/2014— 10/20/2023

Continuing education
Course title
Supervisor Refresher
Completed
10/20/2022
Course code
WA2005-2

Affidavit hours
No affidavit hours reported.

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00039809

Exp Date: **10/22/2023**

BAILON MORAN, AMADOR
2003 TODD RD
APT 6
VANCOUVER, WA 98661

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00037509

Exp Date: **7/13/2023**

BARBOSA-PONCE, CITLALLI
13820 SW ELECTRIC ST
NO 203
BEAVERTON, OR 97005

Labor & Industries (https://lni.wa.gov)

Contractors

Barron Romero, Jose O

Owner or tradesperson Barron Romero, Jose O — MCMINNVILLE, OR 97128
Doing business as
Barron Romero, Jose O

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Worker — Active
Meets current requirements.

License no.
ABAW00037801
Effective — expiration
10/16/2019— 03/11/2024

Continuing education
Course title
Worker Refresher
Completed
02/04/2023
Course code
WA2000-17

Affidavit hours
No affidavit hours reported.

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00039777

Exp Date: **10/22/2023**

CHAN MAY, MIGUEL I
4635 SE 88TH AVE
PORTLAND, OR 97266

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Supervisor

ABAS00034814

Exp Date: **3/5/2024**

CORTES, JOSE A
4635 SE 88TH AVE
PORTLAND, OR 97266

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00037510

Exp Date: **7/13/2023**

DUARTE MARTINEZ, JOVANY
4831 SAUNTER LOOP NE
SALEM, OR 97305

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Supervisor

ABAS00030704

Exp Date: **1/25/2024**

GARCIA LOPEZ, DANIEL
13820 SW ELECTRIC ST
NO 203
BEAVERTON, OR 97005

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00037797

Exp Date: **10/24/2023**

GARCIA BARRIENTOS, JAVIER G
110 SE LOGAN ST
MCMINNVILLE, OR 97128

Labor & Industries (https://lni.wa.gov/)

Contractors

Hernandez, Claudio Leon

Owner or tradesperson Hernandez, Claudio Leon — GRESHAM, OR 97080
Doing business as
Hernandez, Claudio Leon

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Supervisor — Active
Meets current requirements.

License no.
ABAS00037098
Effective — expiration
11/22/2022 — 10/20/2023

Continuing education
Course title
Supervisor Refresher
Completed
10/20/2022
Course code
WA2005-2

Affidavit hours

Employer	Hours reported	Hours approved	From date	To date
3 Kings Environmental Inc.	12000	12000	08/01/2016	10/20/2022

Hours by Specialty

Type	Description	Hours
AA	Asbestos Abatement	12000

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00022830

Exp Date: **11/20/2023**

JARAMILLO HIDALGO, JUAN I
405 SE 160TH AVE
#27
PORTLAND, OR 97233

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Supervisor

ABAS00036815

Exp Date: **1/26/2024**

MCELROY, GINNI M
902 NW 7TH AVE.
CAMAS, WA 98607

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00038940

Exp Date: **7/23/2023**

RAMIREZ SOTO, FRANCISCO J
1655 SW GOUCHER ST.
#21

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Supervisor

ABAS00036844

Exp Date: **8/20/2023**

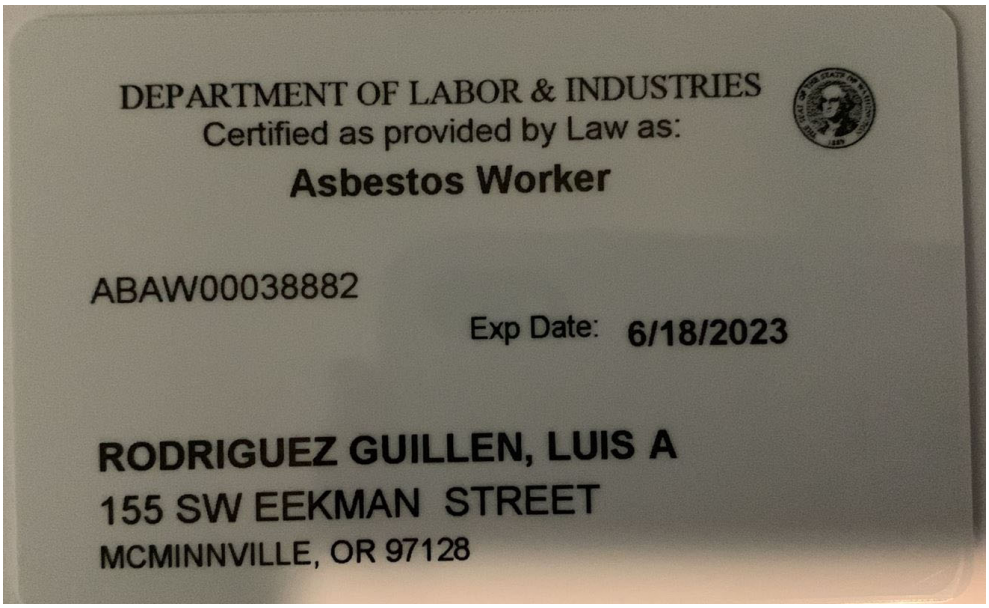
RAMIREZ ZAMORA, PEDRO
902 NW 7TH AVE
CAMAS, WA 98607

DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00039784

Exp Date: **10/22/2023**

REYES LOPEZ, TRINIDAD
4831 SAUNTER LOOP
SALEM, OR 97305


DEPARTMENT OF LABOR & INDUSTRIES
Certified as provided by Law as:
Asbestos Worker

ABAW00038882

Exp Date: **6/18/2023**

RODRIGUEZ GUILLEN, LUIS A
155 SW EEKMAN STREET
MCMINNVILLE, OR 97128

FIT TEST REPORT

09/27/2022

ID NUMBER	9826
LAST NAME	Aldazaba
FIRST NAME	Miguel A.
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	08/31/2022 13:13	**PORTACOUNT S/N**	8040213211
DUE DATE	08/31/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	94	No
JOGGING IN PLACE	30	111	Yes
HEAD SIDE TO SIDE	30	105	Yes
HEAD UP AND DOWN	30	233	Yes
OVERALL FF		120	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Miguel A. Aldazaba

NOTE:

FIT TEST REPORT

09/27/2022

ID NUMBER	9826
LAST NAME	Aldazaba
FIRST NAME	Miguel A.
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	08/30/2022 14:13	**PORTACOUNT S/N**	8040213211
DUE DATE	08/30/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	52761	Yes
JOGGING IN PLACE	30	35174	Yes
HEAD SIDE TO SIDE	30	45224	Yes
HEAD UP AND DOWN	30	45224	Yes
OVERALL FF		43665	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Miguel A. Aldazaba

NOTE:

FIT TEST REPORT

09/22/2022

ID NUMBER	9311
LAST NAME	Aldazaba
FIRST NAME	Sergio
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	08/30/2022 13:38	**PORTACOUNT S/N**	8040213211
DUE DATE	08/30/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	36381	Yes
JOGGING IN PLACE	30	1896	Yes
HEAD SIDE TO SIDE	30	346	Yes
HEAD UP AND DOWN	30	201	Yes
OVERALL FF		476	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Sergio Aldazaba

NOTE:

D-028213-006-A

FIT TEST REPORT

09/27/2022

ID NUMBER	9311
LAST NAME	Aldazaba
FIRST NAME	Sergio
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	08/30/2022 13:24	**PORTACOUNT S/N**	8040213211
DUE DATE	08/30/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	30553	Yes
JOGGING IN PLACE	30	72363	Yes
HEAD SIDE TO SIDE	30	80876	Yes
HEAD UP AND DOWN	30	88703	Yes
OVERALL FF		56990	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Sergio Aldazaba

NOTE:

FIT TEST REPORT

09/27/2022

ID NUMBER	1894
LAST NAME	Bailon
FIRST NAME	Amador
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	09/13/2022 09:30	**PORTACOUNT S/N**	8040213211
DUE DATE	09/13/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	38031	Yes
JOGGING IN PLACE	30	5921	Yes
HEAD SIDE TO SIDE	30	87104	Yes
HEAD UP AND DOWN	30	180015	Yes
OVERALL FF		18849	Yes

FITTEST OPERATOR _____ **DATE** _____

Tsi

NAME _____ **DATE** _____

Amador Bailon

NOTE:

FIT TEST REPORT

09/27/2022

ID NUMBER	1894
LAST NAME	Bailon
FIRST NAME	Amador
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	09/13/2022 09:38	**PORTACOUNT S/N**	8040213211
DUE DATE	09/13/2023	**N95-COMPANION™**	No
RESPIRATOR	3M PowerFlow PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	3M	**PASS LEVEL**	500
MODEL	PowerFlow		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	42159	Yes
JOGGING IN PLACE	30	68659	Yes
HEAD SIDE TO SIDE	30	150192	Yes
HEAD UP AND DOWN	30	141357	Yes
OVERALL FF		76898	Yes

FITTEST OPERATOR _____ **DATE** _____

Tsi

NAME _____ **DATE** _____

Amador Bailon

NOTE:

FIT TEST REPORT

12/05/2022

ID NUMBER	3300
LAST NAME	Barbosa
FIRST NAME	Citlalli
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 17:18	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	3160	Yes
JOGGING IN PLACE	30	2601	Yes
HEAD SIDE TO SIDE	30	16408	Yes
HEAD UP AND DOWN	30	2299	Yes
OVERALL FF		3342	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Citlalli Barbosa

NOTE:

D-028213-006-A

FIT TEST REPORT

12/05/2022

ID NUMBER	3300
LAST NAME	Barbosa
FIRST NAME	Citlalli
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 17:22	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	1229	Yes
JOGGING IN PLACE	30	5478	Yes
HEAD SIDE TO SIDE	30	9171	Yes
HEAD UP AND DOWN	30	1376	Yes
OVERALL FF		2184	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Citlalli Barbosa

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	3477
LAST NAME	Ramirez
FIRST NAME	Francisco
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:27	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	180	Yes
JOGGING IN PLACE	30	251	Yes
HEAD SIDE TO SIDE	30	294	Yes
HEAD UP AND DOWN	30	228	Yes
OVERALL FF		231	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Francisco Ramirez

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	1969
LAST NAME	Barron
FIRST NAME	Jose
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:02	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	16577	Yes
JOGGING IN PLACE	30	21054	Yes
HEAD SIDE TO SIDE	30	45070	Yes
HEAD UP AND DOWN	30	26958	Yes
OVERALL FF		23938	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Jose Barron

NOTE:

FIT TEST REPORT

05/23/2023

ID NUMBER	8345
LAST NAME	Chan
FIRST NAME	Miguel
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:47	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	10674	Yes
JOGGING IN PLACE	30	29652	Yes
HEAD SIDE TO SIDE	30	9884	Yes
HEAD UP AND DOWN	30	3121	Yes
OVERALL FF		7286	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Miguel Chan

NOTE:

D-028213-006-A

FIT TEST REPORT

05/23/2023

ID NUMBER	8345
LAST NAME	Chan
FIRST NAME	Miguel
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:51	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	78146	Yes
JOGGING IN PLACE	30	136755	Yes
HEAD SIDE TO SIDE	30	42078	Yes
HEAD UP AND DOWN	30	30390	Yes
OVERALL FF		52097	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Miguel Chan

NOTE:

D-028213-006-A

FIT TEST REPORT

05/23/2023

ID NUMBER	8345
LAST NAME	Chan
FIRST NAME	Miguel
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:54	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	Sperian Pressure Demand full face [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	Sperian	**PASS LEVEL**	500
MODEL	Pressure Demand		
RESPIRATOR STYLE	full face	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	115113	Yes
JOGGING IN PLACE	30	51161	Yes
HEAD SIDE TO SIDE	30	115113	Yes
HEAD UP AND DOWN	30	115113	Yes
OVERALL FF		87705	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Miguel Chan

NOTE:

FIT TEST REPORT

05/23/2023

ID NUMBER	8345
LAST NAME	Chan
FIRST NAME	Miguel
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:47	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	10674	Yes
JOGGING IN PLACE	30	29652	Yes
HEAD SIDE TO SIDE	30	9884	Yes
HEAD UP AND DOWN	30	3121	Yes
OVERALL FF		7286	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Miguel Chan

NOTE:

FIT TEST REPORT

12/16/2022

ID NUMBER	3860
LAST NAME	Cortes
FIRST NAME	Jose
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/16/2022 10:03	**PORTACOUNT S/N**	8040213211
DUE DATE	12/16/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	6773	Yes
JOGGING IN PLACE	30	25879	Yes
HEAD SIDE TO SIDE	30	807	Yes
HEAD UP AND DOWN	30	29388	Yes
OVERALL FF		2742	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Jose Cortes

NOTE:

FIT TEST REPORT

D-028213-006-A

12/16/2022

ID NUMBER	3860
LAST NAME	Cortes
FIRST NAME	Jose
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/16/2022 09:57	**PORTACOUNT S/N**	8040213211
DUE DATE	12/16/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	23992	Yes
JOGGING IN PLACE	30	34190	Yes
HEAD SIDE TO SIDE	30	13407	Yes
HEAD UP AND DOWN	30	8140	Yes
OVERALL FF		14905	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Jose Cortes

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	8557
LAST NAME	Duarte
FIRST NAME	Jovany
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/09/2023 16:46	**PORTACOUNT S/N**	8040213211
DUE DATE	01/09/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	844	Yes
JOGGING IN PLACE	30	3463	Yes
HEAD SIDE TO SIDE	30	741	Yes
HEAD UP AND DOWN	30	1360	Yes
OVERALL FF		1124	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Jovany Duarte

NOTE:

D-028213-006-A

FIT TEST REPORT

01/09/2023

ID NUMBER	8557
LAST NAME	Duarte
FIRST NAME	Jovany
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/09/2023 16:50	**PORTACOUNT S/N**	8040213211
DUE DATE	01/09/2024	**N95-COMPANION™**	No
RESPIRATOR	3M PowerFlow PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	3M	**PASS LEVEL**	500
MODEL	PowerFlow		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	19454	Yes
JOGGING IN PLACE	30	20427	Yes
HEAD SIDE TO SIDE	30	45393	Yes
HEAD UP AND DOWN	30	90787	Yes
OVERALL FF		29984	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Jovany Duarte

NOTE:

FIT TEST REPORT

03/25/2023

ID NUMBER	1234
LAST NAME	Garcia
FIRST NAME	Acamin
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	03/06/2023 14:58	**PORTACOUNT S/N**	8040213211
DUE DATE	03/06/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	283822	Yes
JOGGING IN PLACE	30	130995	Yes
HEAD SIDE TO SIDE	30	170293	Yes
HEAD UP AND DOWN	30	340587	Yes
OVERALL FF		200345	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Acamin Garcia

NOTE:

FIT TEST REPORT

03/25/2023

ID NUMBER	1234
LAST NAME	Garcia
FIRST NAME	Acamin
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	03/06/2023 15:01	**PORTACOUNT S/N**	8040213211
DUE DATE	03/06/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	319572	Yes
JOGGING IN PLACE	30	145260	Yes
HEAD SIDE TO SIDE	30	69472	Yes
HEAD UP AND DOWN	30	106523	Yes
OVERALL FF		118360	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Acamin Garcia

NOTE:

FIT TEST REPORT

12/05/2022

ID NUMBER	4426
LAST NAME	Garcia
FIRST NAME	Daniel
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 17:30	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	4082	Yes
JOGGING IN PLACE	30	8952	Yes
HEAD SIDE TO SIDE	30	8952	Yes
HEAD UP AND DOWN	30	26538	Yes
OVERALL FF		7905	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Daniel Garcia

NOTE:

D-028213-006-A

FIT TEST REPORT

12/05/2022

ID NUMBER	4426
LAST NAME	Garcia
FIRST NAME	Daniel
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 17:34	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	4014	Yes
JOGGING IN PLACE	30	2147	Yes
HEAD SIDE TO SIDE	30	7063	Yes
HEAD UP AND DOWN	30	9298	Yes
OVERALL FF		4150	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Daniel Garcia

NOTE:

FIT TEST REPORT

12/16/2022

ID NUMBER	8226
LAST NAME	Garcia
FIRST NAME	Javier
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/16/2022 09:46	**PORTACOUNT S/N**	8040213211
DUE DATE	12/16/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	7119	Yes
JOGGING IN PLACE	30	38868	Yes
HEAD SIDE TO SIDE	30	27656	Yes
HEAD UP AND DOWN	30	18677	Yes
OVERALL FF		15632	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Javier Garcia

NOTE:

FIT TEST REPORT

12/16/2022

ID NUMBER	8226
LAST NAME	Garcia
FIRST NAME	Javier
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/16/2022 09:36	**PORTACOUNT S/N**	8040213211
DUE DATE	12/16/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	16075	Yes
JOGGING IN PLACE	30	11678	Yes
HEAD SIDE TO SIDE	30	39041	Yes
HEAD UP AND DOWN	30	47118	Yes
OVERALL FF		20547	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Javier Garcia

NOTE:

FIT TEST REPORT

09/28/2022

ID NUMBER	2817		
LAST NAME	Leon		
FIRST NAME	Claudio		
COMPANY	3 Kings Environmental Inc		
LOCATION			
TEST DATE	09/28/2022 07:57	**PORTACOUNT S/N**	8040213211
DUE DATE	09/28/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	97	No
JOGGING IN PLACE	30	133	Yes
HEAD SIDE TO SIDE	30	174	Yes
HEAD UP AND DOWN	30	163	Yes
OVERALL FF		135	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Claudio Leon

NOTE:

FIT TEST REPORT

09/28/2022

ID NUMBER	2817
LAST NAME	Leon
FIRST NAME	Claudio
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	09/28/2022 07:38	**PORTACOUNT S/N**	8040213211
DUE DATE	09/28/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	35215	Yes
JOGGING IN PLACE	30	18446	Yes
HEAD SIDE TO SIDE	30	28693	Yes
HEAD UP AND DOWN	30	48420	Yes
OVERALL FF		28961	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Claudio Leon

NOTE:

FIT TEST REPORT

12/05/2022

ID NUMBER	3456
LAST NAME	Hidalgo
FIRST NAME	Juan
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 11:43	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	158	Yes
JOGGING IN PLACE	30	281	Yes
HEAD SIDE TO SIDE	30	77	No
HEAD UP AND DOWN	30	326	Yes
OVERALL FF		155	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Juan Hidalgo

NOTE:

FIT TEST REPORT

12/05/2022

ID NUMBER	3456
LAST NAME	Hidalgo
FIRST NAME	Juan
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 11:48	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	7906	Yes
JOGGING IN PLACE	30	11674	Yes
HEAD SIDE TO SIDE	30	6686	Yes
HEAD UP AND DOWN	30	12452	Yes
OVERALL FF		9049	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Juan Hidalgo

NOTE:

D-028213-006-A

FIT TEST REPORT

05/23/2023

ID NUMBER	8295
LAST NAME	McElroy
FIRST NAME	Ginni
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:28	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	538	Yes
JOGGING IN PLACE	30	291	Yes
HEAD SIDE TO SIDE	30	153	Yes
HEAD UP AND DOWN	30	120	Yes
OVERALL FF		198	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Ginni McElroy

NOTE:

FIT TEST REPORT

05/23/2023

ID NUMBER	8295
LAST NAME	McElroy
FIRST NAME	Ginni
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:32	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	7520	Yes
JOGGING IN PLACE	30	12398	Yes
HEAD SIDE TO SIDE	30	24144	Yes
HEAD UP AND DOWN	30	45874	Yes
OVERALL FF		14448	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Ginni McElroy

NOTE:

D-028213-006-A

FIT TEST REPORT

05/23/2023

ID NUMBER	8295
LAST NAME	McElroy
FIRST NAME	Ginni
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:42	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	Sperian Pressure Demand full face [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	Sperian	**PASS LEVEL**	500
MODEL	Pressure Demand		
RESPIRATOR STYLE	full face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	1388	Yes
JOGGING IN PLACE	30	2189	Yes
HEAD SIDE TO SIDE	30	890	Yes
HEAD UP AND DOWN	30	250	No
OVERALL FF		636	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Ginni McElroy

NOTE:

FIT TEST REPORT

05/23/2023

ID NUMBER	8295
LAST NAME	McElroy
FIRST NAME	Ginni
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	05/22/2023 16:28	**PORTACOUNT S/N**	8040213211
DUE DATE	05/22/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	538	Yes
JOGGING IN PLACE	30	291	Yes
HEAD SIDE TO SIDE	30	153	Yes
HEAD UP AND DOWN	30	120	Yes
OVERALL FF		198	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Ginni McElroy

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	3477
LAST NAME	Ramirez
FIRST NAME	Francisco
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:27	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	180	Yes
JOGGING IN PLACE	30	251	Yes
HEAD SIDE TO SIDE	30	294	Yes
HEAD UP AND DOWN	30	228	Yes
OVERALL FF		231	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Francisco Ramirez

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	3477
LAST NAME	Ramirez
FIRST NAME	Francisco
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:32	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	443	No
JOGGING IN PLACE	30	16513	Yes
HEAD SIDE TO SIDE	30	43863	Yes
HEAD UP AND DOWN	30	61924	Yes
OVERALL FF		1699	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Francisco Ramirez

NOTE:

FIT TEST REPORT

12/05/2022

ID NUMBER	2570
LAST NAME	Ramirez
FIRST NAME	Pedro
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 11:56	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	3178	Yes
JOGGING IN PLACE	30	4155	Yes
HEAD SIDE TO SIDE	30	5553	Yes
HEAD UP AND DOWN	30	9518	Yes
OVERALL FF		4759	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Pedro Ramirez

NOTE:

FIT TEST REPORT

12/05/2022

ID NUMBER	2570
LAST NAME	Ramirez
FIRST NAME	Pedro
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/05/2022 12:00	**PORTACOUNT S/N**	8040213211
DUE DATE	12/05/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	3660	Yes
JOGGING IN PLACE	30	7320	Yes
HEAD SIDE TO SIDE	30	11811	Yes
HEAD UP AND DOWN	30	13186	Yes
OVERALL FF		7013	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Pedro Ramirez

NOTE:

D-028213-006-A

FIT TEST REPORT

09/27/2022

ID NUMBER	4480
LAST NAME	Reyes Lopez
FIRST NAME	Trinidad
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	08/31/2022 11:07	**PORTACOUNT S/N**	8040213211
DUE DATE	08/31/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	4857	Yes
JOGGING IN PLACE	30	1125	Yes
HEAD SIDE TO SIDE	30	4291	Yes
HEAD UP AND DOWN	30	15020	Yes
OVERALL FF		2869	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Trinidad Reyes Lopez

NOTE:

D-028213-002-A

FIT TEST REPORT

09/27/2022

ID NUMBER	4480		
LAST NAME	Reyes Lopez		
FIRST NAME	Trinidad		
COMPANY	3 Kings Environmental Inc		
LOCATION			
TEST DATE	08/31/2022 11:14	**PORTACOUNT S/N**	8040213211
DUE DATE	08/31/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	14057	Yes
JOGGING IN PLACE	30	21086	Yes
HEAD SIDE TO SIDE	30	18073	Yes
HEAD UP AND DOWN	30	42172	Yes
OVERALL FF		20242	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Trinidad Reyes Lopez

NOTE:

FIT TEST REPORT

01/26/2023

ID NUMBER	8076
LAST NAME	Rodriguez
FIRST NAME	Luis
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/26/2023 13:38	**PORTACOUNT S/N**	8040213211
DUE DATE	01/26/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	13411	Yes
JOGGING IN PLACE	30	6202	Yes
HEAD SIDE TO SIDE	30	8705	Yes
HEAD UP AND DOWN	30	4241	Yes
OVERALL FF		6821	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Luis Rodriguez

NOTE:

FIT TEST REPORT

01/26/2023

ID NUMBER	8076
LAST NAME	Rodriguez
FIRST NAME	Luis
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/26/2023 13:32	**PORTACOUNT S/N**	8040213211
DUE DATE	01/26/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	3196	Yes
JOGGING IN PLACE	30	12573	Yes
HEAD SIDE TO SIDE	30	16400	Yes
HEAD UP AND DOWN	30	22188	Yes
OVERALL FF		8025	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Luis Rodriguez

NOTE:

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Miguel Aldazaba-Cerrera DOB: [redacted]

Last 4 SSN: _____ Job Title: asbestos technician Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)
☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks
☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use
Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload
☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☐ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations
☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations
This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 8/22/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 8/22/2022 SC
☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Sergio Aldazaba-Cerrera DOB: [redacted]

Last 4 SSN: _____ Job Title: asbestos technician Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)
☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks
☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use
Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload
☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☐ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations
☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations
This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 8/22/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 8/22/2022 SC
☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-002-A

performance
Occupational Health Services

Practitioner Written Opinion

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

Employee Name: Amador Bailon DOB: [redacted]

SSN: [redacted] Job Title: asbestos remover

Employer: 3 Kings

Exam Type: ☒ Initial/Baseline ☐ Periodic/Annual ☐ Exposure ☐ Fit for duty
Surveillance For: ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazmat/ERT ☐ Welder ☐ Silica ☐ Other _____

Based on this evaluation, the above individual has:

No	Yes	
☑	☐	1. Evidence of health effects/medical risks that would be affected by the above position
☑	☐	2. Is there any limitation on the use of personal protective equipment required for the above position ☐ PPE ☐ Respirator ☐ Other: _____
☑	☐	3. Limitations to exposure(s) that are part of the above position If so, describe: _____
☑	☐	4. Evidence of work-related health problems/health risks that require further evaluation
☑	☐	5. Evidence of non work-related health problems/health risks that require further evaluation
☐	☑	6. Has the individual been informed of the results of this examination or any health condition which was detected
☑	☐	7. Has the individual been counseled to stop smoking ☑ Non-Smoker

Recommendation:

☑ No restriction for the above position Comments: _____
☐ Restricted activities: _____
☐ Special PPE: _____
☐ Withheld decision pending the following: _____
Expected completion date: _____

Provider Signature: _____ Date: 9/13/22

Kim S. Waldrep, ARNP ☐ Todd Skenandore ARNP ☐
Leanne Williams ARNP ☐ Matthew Oxiles ARNP ☐

D-028213-002-A

Claim Number:

Service Date: 05/24/2022

Concentra Medical Centers

2225 NW Town Center Dr BEAVERTON, OR 97006
Phone: (503) 726-1021 Fax: (503) 726-1039

Non-Injury Work Status Report

Patient: Barbosa, Citlalli
SSN:
Address: [redacted]
Home:
Work: **Ext.:**

Employer Location: 3 Kings Environmental
Address: PO Box 280
Battle Ground, WA 98604
Auth. by:

Contact: Emily Weiss
Role: Primary Contact
Phone: (360) 666-5464 **Ext.:**
Fax:

This Visit:

Time In: 09:20 am **Time Out:** 11:30 am **Visit Type:** New

Asbestos Physical Periodic
Asbestos Physical Periodic
OSHA Respirator Questionnaire

Result Status:

No Status Required

Remarks:

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D-028213-006-A

Salem Occupational Health Clinic

4049 Market St. NE, Salem, Oregon 97301 (503) 362-5242 • Fax (503) 362-6771

Asbestos Examination
Physician's Written Opinion
(Expires one year after exam date)

DATE: 2-1-23

Company: 3 Kings

Employee: Jose Barra

In accordance with the requirements of Section (m) (4) of the OSHA Standard on Asbestos, 29 CFR 1926.58, this written opinion is to certify that:

1. I have examined the above named individual and have determined that this individual [✓] **may** [ ] **may not** use a respiratory protective device while performing his/her required employment duties. (29 CFR 1910.1001 – 1910.1045)

2. The results of this examination [ ] **have** [✓] **have not** detected any medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.

3. In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical conditions resulting from his/her exposure to asbestos.

4. In accordance with State and Federal rules, I have also informed the above named individual of the increased risk of lung cancer attributable to the combined effects of smoking and asbestos exposure.

The complete medical examination report on the above named individual will be maintained in the offices of Salem Occupational Health Clinic and will be made available to other medical authorities as required.

[ ] **Howard Tsang, MD, MPH** [ ] **Curtis Thiessen, MD**

[✓] **Christopher Freeman, PA** [ ] _____

Signature: _____

D-028213-006-A

OCCUPATIONAL MEDICINE-URGENT MEDICAL CENTER
14201 NE 20th Ave. Ste.C101
VANCOUVER WA, 98686
PHONE:(360)571-9799
FAX:(360)576-6320

EMAILED
8/29/22 BW

FAXED
JUL 20 2022

ASBESTOS EXAM CLEARANCE FORM

From the results of the examination/screening/record review given at Occupational Medicine-Urgent Medical Center in accordance with the authorization of the

EMPLOYER **3 KINGS ENVIRONMENTAL**, it is indicated that the

EMPLOYEE **MIGUEL CHAN MAY** is

✓ Capable of performing proposed job without restrictions

_____Capable of performing the job with the following restrictions (see below)

_____

_____Not capable of performing proposed job

✓ Able to wear respirator/SCBA without restrictions

_____ Final recommendation deferred at this time pending review of additional medical information

Examiners comments:

Date: 7/20/2022

Examiner: _____
Signature

BRANDON PARSONS PA-C
Printed Name

D-028213-006-A

Health Care Provider Respirator Recommendation Form

Employee Name: **MIGUEL CHAN MAY**

Health Care Professional Name: **Brandon Parsons PA-C**

Employer: **3 KINGS ENVIRONMENTAL**

Address: 14201 NE 20th Ave. Ste.C101 Vancouver WA 98686

Phone:(360)571-9799

Type of Respirator This Individual is Medically Cleared to Use:

Check all that apply

- ☑ N95 Particulate Respirator
- ☑ Self-contained Breathing Apparatus (SCBA)
- ☑ PAPR, TYPE-C PRESSURE RESPIRATOR, AIR PURIFY HALF MASK RESPIRATOR(3 KINGS ENVIRONMENTAL)

Respirator Clearance

Under the conditions described in the supplemental information provided by the employer, this individual: (Please check one)

- ☑ Is medically cleared for use of the respirator(s) without limitations.
- ☐ Is medically cleared for use of the respirator(s) with the following limitations:

_____

_____

- ☐ **Is not** medically cleared for use of a respirator.

Workload Limitations (please check one)

- ☑ Unrestricted
- ☐ Heavy
- ☐ Medium
- ☐ Light

Follow-up Medical Evaluations:

This individual ____will ✓ will not (check one) require additional follow-up medical evaluation(s). The recommended schedule for follow-up medical evaluations, if necessary, is as follows: _____

_____

This recommendation is valid for 1 year(s), or sooner due to change of job or state of health.

Employee Notification

I certify that the above named individual for who this respirator clearance form is provided has received a copy of this recommendation

Signature _____ Date 7/20/2022

(Physician or other Licensed Healthcare Professional)

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Jovony Duarte DOB: [redacted]

Last 4 SSN: [redacted] Job Title: asbestos worker Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)

☐ Half-Mask ☒ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☐ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks

☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use

Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload

☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations

☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations

This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 9/20/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 9/20/2022 SC

☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Acamin Garcia DOB: [redacted]

Last 4 SSN: _____ Job Title: _____ Employer: 3 Kings Enviormental

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)

☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks

☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use

Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload

☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations

☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations

This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 3-1-2024

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles ARNP Date: 3-1-2023

☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Daniel Garcia DOB: [redacted]

Last 4 SSN: [redacted] Job Title: superintendent Employer: 3Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)
☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks
☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use
Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1 4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload
☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations
☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations
This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 9/15/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 9/15/2022 SC
☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Javier Garcia DOB: [redacted]

Last 4 SSN: [redacted] Job Title: laborer Employer: 3 Kings Environmental

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)

☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks

☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use

Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload

☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations

☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations

This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 7/22/23

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 7/22/2022 SC

☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-006-A

Salem Occupational Health Clinic

PO Box 8145, Salem, Oregon 97303
(503) 362-5242 • Fax (503) 362-6771

Respirator Examination
Annual Medical Examiner's Certificate

(Certification expires one year from exam date)

I certify that I have reviewed the OSHA Questionnaire for

Fransico Ramirez

in accordance with OSHA Standards (29 CFR 1910.1001 – 1910.1045), and with knowledge of his/her duties I find him/her **Qualified** under the regulations to wear any respirator (29 CFR 1910.134).

A completed questionnaire for this person is on file in my office at Salem Occupational Health Clinic, 4049 Market St. NE, Salem, Oregon 97301.

Date of Review: 6/15/22

- [x] **Howard Tsang, MD, MPH**
- [ ] **Curtis Thiessen, MD**
- [ ] **Christopher Freeman, PA**
- [ ] _____
- [ ] **Robert White Jr., MD, MPH**

Signature of Physician: _____

D-028213-006-A

Salem Occupational Health Clinic

4049 Market St. NE, Salem, Oregon 97301 (503) 362-5242 • Fax (503) 362-6771

Asbestos Examination
Physician's Written Opinion
(Expires one year after exam date)

DATE: 6/15/22

Company: 3 Kings

Employee: Francisco G-C.

In accordance with the requirements of Section (m) (4) of the OSHA Standard on Asbestos, 29 CFR 1926.58, this written opinion is to certify that:

1. I have examined the above named individual and have determined that this individual [✓] **may** [ ] **may not** use a respiratory protective device while performing his/her required employment duties. (29 CFR 1910.1001 – 1910.1045)

2. The results of this examination [ ] **have** [✓] **have not** detected any medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.

3. In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical conditions resulting from his/her exposure to asbestos.

4. In accordance with State and Federal rules, I have also informed the above named individual of the increased risk of lung cancer attributable to the combined effects of smoking and asbestos exposure.

The complete medical examination report on the above named individual will be maintained in the offices of Salem Occupational Health Clinic and will be made available to other medical authorities as required.

[✓] **Howard Tsang, MD, MPH** [ ] **Curtis Thiessen, MD**

[ ] **Christopher Freeman, PA** [ ] _____

Signature: _____

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Pedro Ramierez-Zamora DOB: [redacted]

Last 4 SSN: [redacted] Job Title: asbestos technician Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)
☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☐ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks
☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use
Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ >4 hours/day ☒ Minimal use ☐ Variable

Workload
☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations
☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations
This individual ☐ **will**/☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 12/13/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 12/13/2022 SC
☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Trinidad Reyes DOB: [redacted]

Last 4 SSN: _____ Job Title: asbestos worker Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)
☒ Half-Mask ☒ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks
☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☒ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use
Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☒ > 4 hours/day ☐ Minimal use ☐ Variable

Workload
☐ Light ☐ Moderate ☐ Heavy ☒ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations
☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations
This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 8/8/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 8/8/2022 SC
☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

D-028213-006-A

Salem Occupational Health Clinic
PO Box 8145, Salem, Oregon 97303
(503) 362-5242 • Fax (503) 362-6771

Respirator Examination
Annual Medical Examiner's Certificate

(Certification expires one year from exam date)

I certify that I have reviewed the OSHA Questionnaire for

Luis Rodriguez

in accordance with OSHA Standards (29 CFR 1910.1001 – 1910.1045), and with knowledge of his/her duties I find him/her **Qualified** under the regulations to wear any respirator (29 CFR 1910.134).

A completed questionnaire for this person is on file in my office at Salem Occupational Health Clinic, 4049 Market St. NE, Salem, Oregon 97301.

Date of Review: 5/31/22

☐ **Howard Tsang, MD, MPH**
☐ **Curtis Thiessen, MD**
☒ **Christopher Freeman, PA**
☐ _____

Signature of Physician: _____

D-028213-006-A

Salem Occupational Health Clinic

4049 Market St. NE, Salem, Oregon 97301

(503) 362-5242 • Fax (503) 362-6771

Asbestos Examination
Physician's Written Opinion
(Expires one year after exam date)

DATE: 5-31-22

Company: 3 Kings

Employee: Luis Rodriguez

In accordance with the requirements of Section (m) (4) of the OSHA Standard on Asbestos, 29 CFR 1926.58, this written opinion is to certify that:

1. I have examined the above named individual and have determined that this individual [X] **may** [ ] **may not** use a respiratory protective device while performing his/her required employment duties. (29 CFR 1910.1001 – 1910.1045)

2. The results of this examination [ ] **have** [X] **have not** detected any medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.

3. In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical conditions resulting from his/her exposure to asbestos.

4. In accordance with State and Federal rules, I have also informed the above named individual of the increased risk of lung cancer attributable to the combined effects of smoking and asbestos exposure.

The complete medical examination report on the above named individual will be maintained in the offices of Salem Occupational Health Clinic and will be made available to other medical authorities as required.

[ ] **Howard Tsang, MD, MPH** [ ] **Curtis Thiessen, MD**

[X] **Christopher Freeman, PA** [ ] _____

Signature: _____

D-028213-006-A

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Benicio Tellez DOB: [redacted]

Last 4 SSN: _____ Job Title: _____ Employer: 3 Kings Environmental Inc

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)

☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☐ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks

☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use

Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload

☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations

☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations

This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 1-30-2024

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles ARNP Date: 1-30-2023

☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

Claim Number:

Service Date: 06/20/2022

Concentra Medical Centers

12518 NE Airport Way #110 PORTLAND, OR 97230
Phone: (503) 256-2992 Fax: (503) 258-0717

Non-Injury Work Status Report

Patient: Tellez Torres, Miguel A.
SSN: [redacted]
Address: [redacted]
Home: [redacted]
Work: **Ext.:**

Employer Location: 3 Kings Environmental
Address: PO Box 280
Battle Ground, WA 98604
Auth. by:

Contact: Emily Weiss
Role: Primary Contact
Phone: (360) 666-5464 **Ext.:**
Fax:

This Visit:

Time In: 10:45 am **Time Out:** 01:09 pm **Visit Type:** New

Asbestos Physical Periodic

Asbestos Physical Periodic
OSHA Respirator Questionnaire
Pulmonary Function Test
X-Ray B-Read/Interpretation
X-Ray Chest-2 View

Result Status:

Job description was provided by employer and reviewed by examining provider
May work without limitations/restrictions

No obvious signs or symptoms of communicable disease

Remarks:

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TAB 3 - First Aid

BasicPlus

Certification Card

CPR/First Aid with AED

Jovany Duarte

has successfully, completely and competently performed the required knowledge and skill objectives for this program.

Trainer: Eduardo Hamm
Registry #: 2877920

11/20/2023
Expiration Date

BasicPlus

Certification Card

CPR/First Aid with AED

Jose Barron

has successfully, completely and competently performed the required knowledge and skill objectives for this program.

Trainer: Eduardo Hamm
Registry #: 2877920

11/20/2023
Expiration Date

BasicPlus

Certificatior Carc

CPR/First Aid with AED

Jose Cortes

has successfully, completely and competently performed the required knowledge and skill objectives for this program.

Trainer: Eduardo Hamm
Registry #: 2877920

11/20/2023
Expiration Date

BasicPlus

Certificatior Carc

CPR/First Aid with AED

Francisco Ramirez

has successfully, completely and competently performed the required knowledge and skill objectives for this program.

Trainer: Eduardo Hamm
Registry #: 2877920

11/20/2023
Expiration Date

Daniel Garcia

has successfully, completely and competently performed the required knowledge and skill objectives for this program.

Trainer: Eduardo Hamm
Registry #: 2877920

11/20/2023
Expiration Date

BasicPlus

Certificatior Carc

CPR/First Aid with AED

CERTIFICATE CITE

Columbia Industrial Training & Education LLC

First Aid / CPR / AED Training

JAVIER GARCIA	12936-4725
Student Name	Certification Number

Apr. 30, 2022	Apr. 29, 2024	Jaime Orozco
Date of Issue	Expire Date	Instructor Name

3 Kings Environmental Inc
Employer Company

Instructor Signature

CERTIFICATE CITE

Columbia Industrial Training & Education LLC

First Aid / CPR / AED Training

Kerey Cortes	12936-5931
Student Name	Certification Number

Feb. 06, 2023	Feb. 06, 2025	Jaime Orozco
Date of Issue	Expire Date	Instructor Name

3 Kings Environmental Inc
Employer Company

Instructor Signature

CERTIFICATE CITE

Columbia Industrial Training & Education LLC

First Aid / CPR / AED Training

Juan Hidalgo	12936-5929
Student Name	Certification Number

Feb. 06, 2023	Feb. 06, 2025	Jaime Orozco
Date of Issue	Expire Date	Instructor Name

3 Kings Environmental Inc
Employer Company

Instructor Signature

CERTIFICATE

CITE

Columbia Industrial Training & Education LLC

First Aid / CPR / AED Training

GINNI MCELROY — Student Name

12936-4719 — Certification Number

Apr. 30, 2022 — Date of Issue

Apr. 29, 2024 — Expire Date

Jaime Orozco — Instructor Name

3 Kings Environmental Inc — Employer Company

Instructor Signature

CERTIFICATE

CITE

Columbia Industrial Training & Education LLC

First Aid / CPR / AED Training

Luis Armando Rodriquez — Student Name

12936-5932 — Certification Number

Feb. 06, 2023 — Date of Issue

Feb. 06, 2025 — Expire Date

Jaime Orozco — Instructor Name

3 Kings Environmental Inc — Employer Company

Instructor Signature

CERTIFICATE

CITE

Columbia Industrial Training & Education LLC

First Aid / CPR / AED Training

PEDRO RAMIREZ — Student Name

12936-4720 — Certification Number

Apr. 30, 2022 — Date of Issue

Apr. 29, 2024 — Expire Date

Jaime Orozco — Instructor Name

3 Kings Environmental Inc — Employer Company

Instructor Signature

TAB 4 - Respiratory Program

Respiratory Protection Program

Introduction

In the control of those occupational diseases caused by breathing air contaminated with dusts, fogs, fumes, mists, gases, smokes, sprays or vapors, the primary objective shall be to prevent atmospheric contamination. This shall be accomplished as far as feasible by accepted engineering control measures (for example, enclosure or confinement of the operation, general and local ventilation, and substitution of less toxic materials). When effective engineering controls are not feasible, or while they are being instituted, appropriate respirators shall be used.

Purpose and Scope	The practices and procedures described here constitute the respiratory protection program under which respirators are effectively utilized at 3 Kings Environmental, Inc.

Responsibility

- Each Division Manager is responsible for the administration of this program. The Safety Manager will serve as a resource for and as a back up to each Division Manager in their absence. He/She is responsible for:
  a) Administer the overall program.
  b) Implementing training and instruction programs.
  c) Ensuring that medical evaluation procedures are implemented.
  d) Selection and provision of appropriate respirators.

- Supervisors are responsible for ensuring that the respiratory protection procedure is implemented in their particular areas. Duties of supervisors include:
  a) Ensuring that employees under their supervision have received appropriate training, fit testing and annual medical evaluations.
  b) Ensuring the availability of appropriate respirators and accessories.
  c) Being aware of tasks requiring the use of respiratory protection.
  d) Enforcing the proper use of respiratory protection when necessary.
  e) Ensuring that respirators are properly cleaned, maintained and

Respiratory Protection Program

stored according to the respiratory protection plan.
f) Ensuring that respirators fit well and do not cause discomfort.
g) Monitoring work areas and operations to identify hazards.

- Each employee has the responsibility to wear his or her respirator when and where required and in the manner in which they were trained and:
  a) Care for and maintain their respirators as instructed, and store them in a clean sanitary location.
  b) Inform the supervisor if the respirator no longer fits well, and request a new one.
  c) Inform the supervisor of program administrator of any respiratory hazards that they feel are not adequately addressed in the work place and of any other concerns that they have regarding the program.

Respirator Selection

- Each Division Manager (program administrator) will select respirators to be used on their division's job sites based on the hazards to which workers are exposed to. He/She will conduct a hazard evaluation for each operation, process or work area that will include:
  a) Identification and development of a list of hazardous substances used in the workplace, by department, or work process.
  b) Review of work processes to determine where potential exposures to these hazardous substances may occur.
  c) Exposure monitoring to quantify potential hazardous exposures.

End of Service Life Indicators will be used. If there is no ESLI appropriate for conditions in the employer's workplace, the employer implements a change schedule for canisters and cartridges that is based on objective information or data that will ensure that canisters and cartridges are changed before the end of their service life. The employer shall describe in the respirator program the information and data relied upon and the basis for the canister and cartridge change schedule and basis for reliance on the data.

Respiratory Protection Program

Medical Evaluations

- Each Division Manager (program administrator) is responsible for seeing that medical evaluations are conducted to determine that employees who are required to or those who are allowed to voluntarily wear respirators are medically able to do so.
- 3 Kings Environmental, Inc. will outsource the medical evaluation process to a licensed medical provider.

- Medical evaluations will be conducted using Appendix C of the standard. Each Division Manager (program administrator) will give a copy to all employees requiring medical evaluations to complete take to the medical doctor for review.
- Follow-up medical exams will be granted as found necessary by the medical provider.
- All employees will be granted the opportunity to speak with the medical provider about their medical evaluation if they request to do so.
- Each Division Manager (program administrator) will provide the medical provider with a copy of this program, a copy of the OSHA respirator standard, a list of hazardous substances in the work place, the employee's job title, proposed respirator type and weight, length of time required to wear respirator, expected physical work load, potential temperature and humidity extremes and protective clothing required.
- After an employee has received clearance and begun to wear a respirator, additional medical evaluations will be provided when:
  a) The employee reports signs/symptoms related to their ability to use a respirator, such as shortness of breath, dizziness, chest pains or wheezing.
  b) The medical provider or supervisor informs the program administrator that the employee needs to be re-evaluated.
  c) Information from this program, including observations made during fit tests and program evaluation indicates a need for re-evaluation.
  d) A change occurs in workplace conditions that may impose an additional physiological burden on the employee.

Respiratory Protection Program

Fit Tests

- Each Division Manager (program administrator) is responsible for coordinating fit testing for their employees who are required to wear tight-fitting respirators.
- Fit tests must be conducted:
  a) Before employees are allowed to wear any tight-fitting facepiece respirator.
  b) When there are changes in the employee's physical condition that could affect respiratory fit.
  c) At least annually thereafter.
  d) Using the make, model and size of respirator they will actually use.
  e) Using OSHA approved fit test protocols found in Appendix B of the OSHA standard.

Respirator Use

- Employees must use their respirators in accordance with the training they receive.
- Employees shall conduct user seal checks each time they wear their respirator, using either the positive or negative pressure check specified in the appendix B-1 of the respiratory protection standard.
- Employees must be permitted to leave the work area to clean their respirator, change filters or cartridges, replace parts, or to inspect their respirator if necessary.
- Employees must not be permitted to wear tight-fitting respirators if they have any condition such as facial scars, facial hair or missing dentures that could prevent them from achieving a good seal.
- IDLH Procedures
  a) One or more trained and quipped standby person stays outside the IDLH atmosphere.
  b) Visual, voice or signal line communication is maintained with the employee in the IDLH atmosphere.
  c) The employer is notified before the standby person enters the IDLH atmosphere to provide emergency rescue.
  d) The employer must provide assistance appropriate to the situation.
  e) Only Grade D breathing air must be used in cylinders for supplied air respirators.

Respiratory Protection Program

Cleaning, Maintenance, Change Schedules and Storage

- Respirators are to be cleaned and disinfected after every use.
- Respirators issued for exclusive use of one employee must be cleaned and disinfected as often as necessary to be kept clean.
- Respirators issued to more than one person must be cleaned and disinfected before being worn by different individuals.
- Respirators maintained for emergency use must be cleaned and disinfected after every use.
- Respirators used in fit testing and training must be cleaned and disinfected after each use.
- Procedures for cleaning respirators:
  a) Remove filters, cartridges, or canisters. Disassemble face pieces by removing diaphragms, valve assemblies, hoses or other components recommended by the manufacturer, removing and discarding or repairing defective parts.
  b) Wash components in warm (110 F) water with a mild detergent or with a cleaner recommended by the manufacturer. A stiff-bristled brush may be used to remove dirt.
  c) Rinse components in warm running water then drain.
  d) When the cleaner used does not contain a disinfecting agent, respirator components should be immersed for 2 minutes in either a solution made by adding 1 milliliter of laundry bleach to one liter of water, an aqueous solution of iodine made by adding approximately 0.8 milliliters of tincture of iodine/100cc of 45% alcohol to 1 liter of warm water, or another cleanser of equivalent disinfectant quality when used as recommended or approved by the manufacturer.
  e) Components should be hand-dried with a clean lint-free cloth or air dried.
  f) Reassemble face piece, replacing filters, cartridges and canisters where necessary.
  g) Test the respirator to ensure that all components work properly.
- Respirators must be stored in a clean, dry place, so as not to deform the face piece.
- Maintenance of Respirators:
  a) Respirators for routine use must be inspected before each use during cleaning.

b) Emergency use respirators must be inspected at least monthly and as recommended by the manufacturer.
c) Emergency escape-only respirators must be inspected before being placed in service.
d) Respirator inspections must include at least the following:
    1. A check of respirator function, tightness of connections, connecting tubes and cartridges, canisters or filters.
    2. A check of elastomeric parts for pliability and signs of deterioration.
    3. SCBAs must be inspected monthly. Air and oxygen cylinders must be kept in fully charged state and be recharged when the pressure falls to below 90%. Regulator and warning devices must be checked for proper working condition.
    4. For emergency use respirators, a certificate documenting the date, signature of inspector, the required remedial action and serial number of the respirator must be maintained.

- Repairs:
    a) Repairs are to be made only by a certified repair person and only parts from the respirator manufacturer that are NIOSH approved shall be used.
    b) Repairs must be made according to the manufacturer's recommendations.
    c) Reducing and admission valves, regulators and alarms must not be repaired except by the manufacturer or a technician trained by the manufacturer.
- Change Schedule:
    a) Change schedules should be determined by the program administrator based on exposure levels and time of exposure or the use of an ESLI.

Breathing Air Quality and Use

- Compressed and liquid oxygen must meet United States Pharmacopoeia requirements for medical or breathing oxygen.
- Compressed breathing air must meet at least the requirements for Grade D breathing air, oxygen content 19.5-23.5%, hydrocarbon content of 5mg/m3, carbon monoxide content of 10ppm or less and lack of noticeable odor.
- Compressed oxygen must not be used in atmosphere-applying

respirators that have previously used compressed air.

- Oxygen concentration greater than 23.5% must not be used in equipment unless it was designed for oxygen service or distribution.
- Cylinders used to supply breathing air to respirators must be tested and maintained according to Department of Transportation regulations in 49 CFR parts 173 and 178, and be accompanied by a certificate from the supplier that the breathing air meets the requirements for Grade D breathing air, and that the moisture content in the cylinder does not exceed a dew point of –50 degrees F at 1 atmosphere pressure.
- Compressors used to supply breathing air must be constructed and situated so as to prevent entry of contaminated air, minimize moisture content so that the dew point at 1 atmosphere pressure is 10 degrees F below the ambient temperature.
- Compressors must have in-line air-purifying sorbent beds and filters to further ensure breathing air quality, they must be maintained and replaced periodically following the manufacturer's instructions, and tagged with the most recent change date and signature of person changing them.

- Oil-lubricated compressors must have a high temperature or carbon monoxide alarm, or both, to monitor carbon monoxide levels. If only high temperature alarm is used, the air supply must be monitored before use, then twice weekly, to keep carbon monoxide levels below 10 ppm.
- Non-oil lubricated compressors must not produce carbon monoxide levels greater than 10%.
- Breathing air couplings must be incompatible with outlets for non-respirable worksite air or other gas systems. No asphyxiating substances are to be allowed into the breathing air lines.

Respiratory Protection Program

Training and Information

- Effective respirator training must be provided for the employees required to wear respirators. The training must be comprehensive, understandable and must be provided before requiring an employee to use a respirator and at least annually thereafter.
- Employees who are allowed to voluntarily wear dust masks must be provided the basic information on respirators in Appendix D.
- Employees must be able to demonstrate at least:

  a) why the respirator is necessary and how improper fit, usage, or maintenance can compromise the protection of the respirator;

  b) What the limitations and capabilities of the respirator are;

  c) How to use the respirator effectively in emergency situations, including situations in which the respirator malfunctions.

  d) How to inspect, put on and remove, use and check the seal.

  e) What the procedures are for maintenance and storage of the respirator.

  f) How to recognize medical signs and symptoms that may limit or even the effective use of the respirator.

  g) The general requirements of the OSHA respirator standard
- Retraining must be given when:
  a) Changes in the workplace or the type of respirator used occur.
  b) It becomes obvious by the employees' knowledge or use of the respirator that the employee has not retained the necessary understanding or skill.
  c) Other situations arise in which retraining appears necessary.

Respiratory Protection Program

Program Evaluation	• Each Division Manager is responsible for ensuring that the written respiratory protection program is being followed and for consulting employees to see if they are using the respirators properly. • Each Division Manager is responsible for assessing the effectiveness of the respiratory protection program by: a) Consulting employees required to use respirators to identify any problems and corrective measures necessary. b) Determining if appropriate respirator selection is made for the hazards to which the employee is exposed. c) Determining if respirator fit allows the use of the respirator without interfering with effective workplace performance. d) Determining if respirators are being maintained properly.
Record Keeping	• A written copy of this program and the OSHA standard is kept in the Health and Safety Book • Each Division Manager keeps copies of medical evaluations. • Each Division Manager has copies of fit test results that show the employees' names, type of fit test performed, specific make, model, style, and size of respirator tested, date of test, the pass/fail results for qualitative fit tests or the fit factor and strip chart recording or other recording of the fit test results for quantitative fit tests.

TAB 5 - Sign In / Sign Out

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY SIGN IN

DATE: JOB #/NAME:

	NAME	Last 4 Digit of SS #	SIGN	TIME IN	TIME OUT	TIME IN	TIME OUT	Initials *(end of day)*
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Supervisors Signature_____

Safety - By signing this Timesheet you are agreeing that no accident or incident regarding any type of injury occurred during this paroll period. If an injury or accident occurred, it is your responsibilty to report such incident to your Supervisor immediately. Please specify the incident if applicable and aquire the appropriate Safety Forms from your Supervisor, the Safety Officer or office immediately (see employee manual with any quest y questions regarding safety procedures).

TAB 6 - Daily Project Log

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO

Abatement Daily Field Log

Project Information		Date and Reported By	
Project Number:		Date:	
Project Name:		Supervisor:	
Location:		Signature:	

Daily Activity Notes	Daily Tasks	Yes	No	N/A
	Air Monitoring Conducted			
	Air Monitoring Data Posted			
	Manometer Setup and Used			
	Safety Meeting Conducted			
	Engineering Controls Used			
	Asbestos Certs Current			
	Asbestos Certs Onsite			
	Inventory Transfer Completed			
	SSHASP on site and reviewed			
	Abatement Workplan Onsite			
	Project Photos Taken Today			
	Permits Onsite and Current			
	Job Site Left Secured			
	All Equipment Accounted For			
	Any Equip. Or Mat. Left Onsite			
	ACM Survey Onsite			
	ASN 4 Completed			
	Any Client Issues or Concerns			
	Any Damages Noted			
	Is Project 100% complete			

Site Conditions

Time	Temp.	Weather	Wind MPH	Description

Purchase Orders Written

No.	Vendor	Number of Samples

Visitors (Name)	Company	Reason For Visit	Time Onsite

Extra Work Performed? ☐ Yes ☐ No ☐ EWO Signed By Client

EWO #	Describe Work Performed:
EWO #	Describe Work Performed:

Were there and incidents? ☐ Yes ☐ No if yes, explain and submit incident reports

Site Checklist

☐ SDS	☐ Site Inspection	☐ Tools Checked	☐ 1/2 Mask	☐ NPE	☐ Water Avail.	☐ PPE
☐ GFCI	☐ Rotometer	☐ Warning Signs	☐ Full Mask	☐ Criticals	☐ Physicals	☐ Fit Test

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Project Safety Meeting

Date: _____ Project #: _____ Project Name: _____

Project Supervisor: _____ Client Name: _____

Safety Meeting Topics

Safety Hazard Addressed	Precautions, PPE, Potential Occurrences

Personnel Attending Meeting

Name: _____ Name: _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

Other Trades/Contractors Attending Meeting

Name: _____ Name: _____

_____ _____

_____ _____

_____ _____

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

CONTAINMENT LOG

JOB: _____
DATE: _____

	NAME	TIME IN	TIME OUT	TIME IN	TIME OUT
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					

TAB 7 - Injury Log

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO
PO Box 280
Battle Ground, WA 98604
(360)666-5464
(888)435-4647
Fax (360)666-8202
Dave Franklin, Safety Officer

SAFETY & HEALTH REPORTING FORM

Part 1

Employee's Name (Last, First, MI)	Logon ID (for I.D. Only)	Work Phone	Mail Stop

Date of incident	Time of Incident	Location of Incident	Division/Region	Section	Workstation

Part 2 – Please check the box that applies to you. ***(Double click on the box and choose "checked", please check only one category)***

☐ **Hazard to Report (Go to Part 3)** ☐ Medical Emergency ☐ Personal Injury ☐ Indoor Air Quality ☐ Motor Vehicle Incident ☐ Ergonomic Issue ☐ Other

Check the box(es) below that apply to you, to the left of the text in each column. In the right column use an "L" or an "R" to indicate which side of your was hurt, if this applies. On-line form: tab or click on the box with your mouse and X.

X	What part of the body is affected?	L/R	X	What is the nature of the injury?	X	What were the contributing causes?	X	What were the conditions during the incident?
	Abdomen			Abrasion		Absorption		Confined space
	Ankle(s)			Bite		Animal		Defective equipment
	Arm(s)			Broken		Bypassing safety device		Design/arrangement
	Back (lower, middle)			Bruise		Caught in, under, between		Distraction
	Back (upper)			Burn-chemical/radiation		Collision		Fire
	Buttocks			Burn-thermal		Communication		Environmental (atmosphere)
	Chest (includes ribs)			Carpal Tunnel Syndrome		Eating		Excessive exposure
	Ear(s) external			Concussion		Exposure/contact with		Failure of tool or equipment
	Ear(s) internal			Cut		Facilities/equipment		Faulty floor or surface
	Elbow(s)			Dermatitis/illness		Horseplay		Hazardous material
	Eye(s)			Dislocation		Lifting/pushing		Housekeeping
	Face			Electric shock		In a hurry		Lighting
	Finger(s)			Foreign body		Inadequate instruction		Liquid spill
	Foot			Fracture		Inattention to surroundings		Obstructions
	Groin			Hearing loss		Inhaling/swallowing		Tool/equipment
	Hand(s)			Heat stroke		Motor vehicle		Slippery Surface
	Head (including neck)			Irritation/inflammation		Overexertion		Unsafe clothing
	Head (not neck)			Laceration		Procedures		Weather-fog
	Hip			Multiple injuries		Repetitive motion		Weather-icy
	Jaw			Pinch		Slip/trip/fall		Weather-rain
	Knee(s)			Pre-Existing Condition		Struck against/struck by		Weather-snow
	Leg(s)			Puncture		Training		Working other
	Lip(s)			Repetitive trauma/injury		Unsafe act		
	Neck			Scratches		Unsafe equipment		
	Nose			Sliver		Unsafe clothing		
	Respiratory system			Strains/sprains				
	Shoulder(s)							
	Toe			Other		Other		Other
	Tongue			Not Applicable		Not Applicable		Not Applicable
	Tooth							
	Wrist(s)							
	Not Applicable							

(Double click on box)

Did you:	**Yes**	**No**
Receive first aid?	☐	☐
See a doctor?	☐	☐
Miss work time/have restrictive duty?	☐	☐

Dates:

Who saw what happened? Please list any witnesses.

Witness 1:		Phone:
Witness 2:		Phone:

Part 3 – Must be completed by the employee within 24 hours. Describe in detail what happened (who, what, when, where, why, how).

Date		**Employee's signature**

Part 4 – Must be completed by supervisor within 72 hours.

Supervisor's name (last, first, MI)	Date incident was reported	Time incident was reported

Based on your investigation describe what may have caused the incident. To identify the cause, ask questions like, who, what, where, when, how.		
1. Recommendations for a possible solution, prevention, or suggested change as a result of your investigation. **2. What actions have been taken? Describe here:**		
	Date	**Supervisor's Signature**

TAB 8 - Health and Safety

Health & Safety Plan

1.0 SAFETY PROGRAM GOALS AND OBJECTIVES

The goal of 3 Kings Environmental, Inc safety program is to provide quality, cost effective services to our customers at competitive prices, meeting or exceeding the regulatory requirements, and using the latest technology and care to protect the safety of our employees and the general public. Our objectives are as follows:

- Prevent accidents
- Provide a safe and healthful working environment for all employees.
- Minimize damage and severity of injury resulting from on the job accidents.
- Integrate safety planning into all company activities.
- Examine safety aspects of all new equipment purchased in support of company operations (and continual evaluation of safety aspects of existing equipment).
- Reduce insurance costs.
- Reduce operating costs and increase operational capacity by reducing damage/injury to Company personnel/equipment.
- Develop and enforce minimum standards for safe operation of Company equipment and safe procedures for Company provided services.
- Provide all employees with a method of notifying management of hazardous conditions.
- Identify and eliminate hazardous conditions.

2.0 SAFETY PLAN

2.1 INTRODUCTION

2.1.1 SAFETY AND LOSS CONTROL POLICY STATEMENT:

3 Kings Environmental management believes that our employees are our most important asset. We also recognize that occupational injuries and illness results in unnecessary human suffering, reduced employee morale, productivity, and ultimately, a waste of the Company's human and material assets.

In the interest of protecting the company, its employees, its stockholders, its customers, and the general public from losses due to accidents and other downgrading incidents, it is the policy of 3 Kings Environmental to do everything reasonable to prevent personal injury and damage to property and the environment. Furthermore, 3 Kings Environmental intends to comply with all applicable local, state, and federal regulations relative to employee Safety and Health.

We have established a safety program in each segment of business operations, including, but not limited to, construction and maintenance, shop and office operations,

material handling, housekeeping, machine and tool usage, vehicular operation, fire protection, public protection and compliance with environmental regulations.

All members of the management team are responsible for the development, evaluation and implementation of 3 Kings Environmental safety program. **Safety is the responsibility of every employee in the company,** and all employees are expected to make loss prevention and control an integral part of their work ethic.

The goals of our safety and loss control program are both humanitarian and economic. These goals and the objectives of this policy can and must be achieved through the continued cooperation and support of each and every employee.

2.1.2 RESPONSIBILITIES:

1. The Executive staff is responsible for developing the safety program, evaluating the results of the program, and providing advice, direction, and guidance on the implementation of the program.

   This responsibility includes the authority to publish or revise the program in the form of a Company directive and to specify internal and external safety reporting, investigation, and inspection requirements.

2. Production Managers are responsible to the safety director for implementing all aspects of the Company Safety Plan as it applies to their area of responsibility. Production Managers are responsible for the dissemination of safety plan requirements to all subordinate supervisors and foreman.

   Specific requirement can be delegated to subordinates. Responsibility for all operations beneath their own level remains their responsibility.

   Implementation of the Safety Plan includes responsibility for the following:

   A. **Compliance:** Effective communication and enforcement of all Company policies and procedures relative to safety.
   B. **Inspection:** Periodic inspection of all facilities and equipment as they pertain to safety.
   C. **Investigation:** Investigation of all accidents involving personal injury or property damage and near misses for the purpose of establishing cause, responsibility, and means of future prevention.
   D. **Promotion:** Promoting the use of safe practices by employees in carrying out their assigned tasks.
   E. **Evaluation:** Continuous evaluation of the safety effort and recommendations for changes and improvements.
   F. **Dialogue:** The Safety Plan must include free discussion and open, constructive criticism concerning any matter pertaining to safety. Only by learning of existing unsafe conditions and practices can a solution be found and corrections made.

3. Supervisors/Foremen: as "key men" in the company are held just as responsible for the safety of the employees working under his/her direction as he/she is for the production of work accomplished by them. No job is so important, and no service so urgent, that time cannot be taken to perform the work in a reasonable safe manner.

   When the word "Supervisor" or "Foreman" is used in this text, it refers to any 3 Kings Environmental employees who have supervisory authority over other Company employees or subcontractors at a work site, whether on or off Company premises. It is the supervisor's duty to see that:

   A. His work is planned and analyzed in advance to determine the safe, economical method of procedure and the physical protection necessary to perform an operation. The supervisor shall be responsible for seeing that this physical protection is obtained, maintained, and used throughout the work.
   B. (I) All employees are aware of the proper safety procedures, (II) they are instructed in detail of specific procedures for the specific job.
   C. All new employees or all employees transferred or assigned to work with which they are unfamiliar are given specific instructions at the time of the assignment in the precautions to be observed in connection with their work location.
   D. The safe practice regulations of 3 Kings Environmental complied with at all time, except when compliance with a particular regulation might constitute more of a hazard. Where or when any exception is taken, the responsibility for the exception rests directly upon the supervisor.
   E. All accidents are investigated by him personally. This includes accidents occurring to or caused by an employee, piece of equipment, or motor vehicle assigned to him.

2.2 PROGRAM ELEMENTS

2.2.1 EMPLOYEE SELECTION:

1. 3 Kings Environmental understands that the **hiring process** is fundamental to all safety and loss control efforts. 3 Kings Environmental will strive to recruit and hire qualified persons to maintain the highest standards of employment and development of the work force.
2. Prospective employees **driving records** will be obtained before hiring if the applicant might be required to drive company vehicles in the course of their employment. No person will be hired into a driving position if he/she does not have an acceptable driving record in accordance with 3 Kings Environmental Employee Driving Records Policy. Driving records shall be updated as necessary during the course of employment to minimize the liability exposure of high-risk drivers.
3. All applicants for employment may be asked to submit to a **pre-employment physical** which includes **screening for substance abuse**. The results of these tests will assist Company management in determining an applicant's suitability to

perform required work activities. Update physicals and random screening for substance abuse may occur at anytime during the course of employment.

2.2.2 DISTRIBUTION OF SAFETY INFORMATION

1. A **tailgate on-site safety meeting** shall be conducted by the supervisor prior to and once a week on all jobs. This meeting may include a review of the work to be done, what equipment will be used, what procedures to follow, what safety equipment to wear, the location of plant emergency equipment, plant rules relative to smoking, eating, and evacuation, and any other specific instructions necessary to insure the job is performed safely. Note: On-Site Safety Checklists (may be used where practical).
2. A safety-reading **file** will be maintained by Management or their designee. This file (or binder) will include, at a minimum, this safety plan with all current additions or revisions. Special safety notices will be posted to the reading file as appropriate. Supervisory personnel should review the file as necessary to remain current on safety related matters.
3. **Bulletin boards** will be maintained by Management or their designee at the Company facility. The board should display pertinent safety directives and/or posters.

2.2.3 SAFETY EDUCATION AND TRAINING

1. Field Employees:

    A. All new 3 Kings Environmental employees will receive an orientation and basic training on the following topics before their first job assignment, when applicable; I) 3 Kings Environmental General Safety Rules (copy issued to employees, then reviewed and discussed).
    B. In addition, affected employees should receive training on specific safety topics, including but not limited to the following:
        I) Respiratory Protection
        II) Confined Space Entry
        III) DOT Regulations (Written test and road test)
        IV) Operation of Services Vehicles (Air movers, roll-off, etc)
        V) Asbestos Abatement
    C. All training will be documented in the employee's personnel file and periodic training updates will occur as necessary.

2. Supervisory and Management Personnel:

    A. Responsible individuals will be provided with necessary training or guidance in the following: Conducting Safety Meeting, Conducting Inspections, and Accident Investigation and Reporting.

2.2.4 INSPECTIONS

1. 3 Kings Environmental will evaluate the safety program through informal and planned inspections. This evaluation is accomplished at all levels of management

using inspection data collected by equipment operators, supervisors, and the managers themselves. These inspections will include reviewing job-site exposures and work procedures such as housekeeping, machine guarding, vehicle safety, personal protective equipment use, maintenance, storage, and any other area pertinent to 3 Kings Environmental operation.

2. Production Managers are responsible for maintaining a clean and safe working environment. Periodic **facility inspections** may be conducted to identify problem areas.
3. **Unannounced spot inspections** may be made at Company work sites by Management or Executive staff. These inspections will emphasize compliance with regulatory requirements as well as Company guidelines.

2.2.5 ACCIDENT REPORTING:

1. All on the job injuries must be reported immediately to the supervisor and management. The first priority is to ensure that the injured employee receives proper medical care.
2. All personnel who drive Company vehicles must be advised that any accident involving a Company vehicle which results in damage to any vehicle or property or results in injury to 3 Kings Environmental employees or third party must be reported immediately to management.
3. Any non-vehicular accident or incident in which there is damage to non-owned property or personal injury to persons other than 3 Kings Environmental employees resulting from the conduct of 3 Kings Environmental equipment, or use of 3 Kings Environmental products or procedures must be reported as a potential general liability claim.
4. The Production Manager or his/her designee is responsible for reporting all accidents and injuries (except minor first aid cases) to the Executive staff within one working day of the incident. This report can be made by telephone. Serious accidents must be reported to the Executive staff immediately.
5. Additional documentation on accidents and injuries is required when the investigation is complete.

2.2.6 ACCIDENT/INCIDENT INVESTIGATION:

1. All accidents and near-miss incidents will be investigated by supervisory personnel and/or Company management to determine the basic cause and to recommend follow-up action to prevent recurrence. Serious accidents may also be investigated by state or federal authorities.
2. Initial investigations are normally conducted by the immediate supervisor due to his knowledge of the job and/or the individuals involved. A follow-up, in-depth investigation may be assigned to the Production Manager or a professional investigator.
3. Investigations are documented on Company-approved forms as described in the previous section.

2.2.7 RECORDKEEPING:

1. All documented inspections, investigations, safety meeting topics, training records, and injury logs will be kept in individual job files.
2. The Office Manager or his/her designee will maintain similar files for the Company. These files will be retained for at least 2 years. (OSHA 200 Reports must be kept for five years).

3.0 SAFETY GUIDELINES

3.1 GENERAL INFORMATION

3.1.1 REPORTING OF INJURIES AND CHANGE OF HEALTH STATUS:

1. **All injuries**, no matter how minor must be immediately reported to your supervisor.
2. Any employee under a doctor's care must report his current condition to the supervisor.

3.1.2 DRUG AND ALCOHOL (See Drug & Alcohol Policy for additional info)

1. Drugs and/or alcohol will not be permitted on projects.
2. All employees under the influence of a prescription drug must report the use of this drug to his immediate supervisor.

3.1.3 SMOKING

1. Smoking any Tobacco products while engaged as an asbestos worker will increase your risk of lung cancer as much as 92%. Smoking is prohibited at any time on asbestos projects.

3.1.4 EMERGENCY PHONE NUMBERS

1. In almost all of 3 Kings Environmental operating areas, emergency services may be contacted by dialing 911 on any telephone. Supervisors/Foremen are expected to check emergency telephone numbers for local access prior to beginning each project.

3.1.5 CONDUCT

1. Horseplay, fighting, gambling, and possession of firearms will be grounds for disciplinary actions.

3.1.6 HOUSEKEEPING

1. Waste goes in designated marked containers. Work area must be cleaned up continually as the job progresses, with cords and hoses routed across the area in a manner that minimizes tripping hazards.

3.1.7 INSPECTIONS

1. A work area check is to be made daily at the beginning of each shift and at the end of each shift, to ensure safe conditions. The supervisors daily log checklist (top & bottom of page) will be completed and placed in the job and field files.

3.2 EQUIPMENT

3.2.1 SCAFFOLDS

1. Welded Metal Frame Scaffold

    A. Casters may be used provided the following conditions are met:
        1. The scaffold is no higher than four times the base.
        2. The floor surface is smooth and clear of obstructions.
        3. All casters must be locked in place while in use.
        4. Scaffolds may not be moved while personnel or tools are on the scaffold.
    B. All scaffolds must have full deck of approved planking. All handrails, midrails, and toe boards are to be utilized.

2. Tubular Scaffolding

    A. Scaffolding shall have a solid foundation.
    B. Posts shall be placed no further than 6 feet apart, by 10 feet apart along the length of the scaffold.
    C. Cross braces shall be installed across the width of the scaffold at least ever third set of posts horizontally and every fourth runner vertically.
    D. A full deck of approved planking.
    E. All tubular frames should be plumb.
    F. Handrails, midrails and toe boards shall be utilized.

3.2.2 LADDERS

1. General Information

    A. Inspection by user prior to each use.
    B. While ascending or descending a ladder, carry nothing which will prevent holding on with both hands.
    C. Always face the ladder.

2. Straight and Extension Ladders

    A. Place ladder so the base is out one-fourth the vertical distance from the ground.
    B. Must be adequately tied off.
    C. Extension ladder sections are not to be used separately.

3. Stepladders

A. Must be set level on all four feet, with spreader locked in place. Do not use as a straight ladder.
B. Never stand on top of a stepladder.
C. Must be tied off when used close to the edge of a floor opening.
D. Always ascend or descend on ladder rungs not on back supports.
E. Do not "walk" ladders in order to move them. Climb down and move the ladder properly.

3.3 ELECTRICAL

3.3.1 GENERAL INFORMATION (See GFCI section of submittal)

1. Proper support of light fixtures during the abatement should be assured. Safe removal of light fixtures as an alternate should also be considered.
2. Equipment, light fixtures, dangling wires, temporary lighting and all extension cords should be checked daily for potential shock hazards.
3. Heavy gauge extension cords with runs of 100 feet or less should be used whenever possible.
4. Ground Fault Interrupters will be used on every electrical cord entering the work area.
5. Do not allow quantities of water to puddle on floor.

3.4 FIRE PROTECTION

1. Minimum of two fire extinguishers shall be placed within easy access of the shower exit and clearly marked.
2. Flammable material shall be stored away from fire or flame.
3. Smoking will not be permitted on project premises.

4.0 GENERAL SAFETY RULES

4.1 INTENT:

To establish general safety rules and procedures designed to protect employees, Company property, customers, and the general public. These rules are not intended to address any specific operation. Safety rules for specific or specialized Company operations are addressed on an individual basis.

4.2 ACCOUNTABILITY:

All management and supervisory personnel are responsible and accountable for the effective communication and enforcement of these safety rules. Employee should understand that these rules do not cover all situations, and additional rules or variations of these rules may be required under certain circumstances. The application of the information contained herein must be

made by the individual employee in accordance with his judgment based on the conditions affecting the work concerned. Good judgment must prevail at all times.

4.3 RULES SUMMARY:

4.3.1 ALL EMPLOYEES ARE EXPECTED TO:

A. Comply with all specific safety instructions, operating procedures, posted signs, instructions given by your Supervisor, customers, safety rules, and rules listed below, as applicable.
B. Operate vehicles, equipment, or power tools only when authorized qualified to do so.
C. Obey all prevailing local, state, and federal traffic laws and regulations while operating any vehicle on Company property, in customer's plants, and on public streets and highways.
D. Wear the personal protective equipment prescribed by posted signs, established operating procedures, written instructions, work permits, and rules listed below. Also, you are required to wear any additional equipment specified by your Supervisor of the customer's Safety Department for a particular job.
E. Know the location and proper use of fire extinguishers, safety showers, eyewash stations, and other equipment in your work area.
F. Smoke only when permitted to do so by 3 Kings Environmental policy or prevailing customer plant rules, etc. If smoking is permitted, smoke only in designated smoking areas at designated times. Be sure to check with your supervisor or plant personnel before carrying matches or lighters into any plant.
G. Clean up your work area after other work is completed. No job is complete until the area is clear of parts, tools, spilled product, and other debris.
H. Use a common sense approach to any potentially hazardous job. Any questions or comments concerning safety practices or specific unsafe conditions should be directed to your supervisor or management.

If conditions arise which make it unsafe to proceed with your assigned job, stop and immediately notify your on-site supervisor.

I. Actively participate in 'tailgate' safety meetings at the job site and regularly scheduled safety meetings at your location.

4.3.2 EMPLOYEE CONDUCT:

Employees are expected to conduct themselves in a civilized, orderly manner while on Company property. Employees who are "on the clock" are prohibited from engaging in the following activities:

1. Fighting, horseplay, or other disruptive activities.
2. Possessing or brandishing a firearm.
3. Willful or negligent destruction of property.
4. Theft of; property belongings to 3 Kings Environmental, customers, or other employees.

5. Neglect of duty (including leaving post of duty without cause or permission and sleeping on duty).

4.3.3 SUBSTANCE ABUSE:

Employees are prohibited from the following:

A. Possessing, consuming, dispensing, selling, or reporting to work under the influence of illegal drugs or other illegal substances on Company premises or at location while acting in the course and scope of employment.
B. Possessing, consuming, dispensing or selling legally prescribed drugs, mind-altering over the counter drugs, or alcohol during working hours without proper authorization.
C. Reporting for duty, working, or driving a Company vehicle in a noticeably impaired state due to consumption of alcohol or any drug or mind-altering substance, whether legal or illegal.

4.3.4 INJURY REPORTING:

A. All on the job injuries must be reported promptly to your supervisor or, if you are working alone, to the Production Manager or other management representative.
B. If treatment other than minor first aid is indicated or if you become aware of a job related injury after leaving work, notify the Production Manager or appropriate member of the management team, and a determination will be made regarding appropriate medical care.

4.3.5 VEHICLE SAFETY:

A. Only qualified, authorized personnel shall operate any Company vehicle.
B. All vehicles shall be driven in a careful, cautious, and courteous manner with full consideration of prevailing traffic conditions, weather conditions, posted signs, and established local, state, and federal traffic laws and regulations.
C. Drivers shall check their assigned vehicle before leaving the yard. Any defect that may cause an accident, injury, or damage to the equipment itself, or that may interfere with the proper function of the equipment at the job site must be reported to the Project Manager or other management representative immediately.
D. Drivers are responsible for the safety of any person riding in or on their vehicle. There shall be no riders on equipment not designed to carry passengers.
E. No person other than 3 Kings Environmental employees or persons on official business shall be allowed to ride in any Company service vehicle. No more than three persons may ride in the cab of a truck. Passengers on the back of trucks must keep all parts of their body inside the bed of the truck.
F. All 3 Kings Environmental employees are required to wear seat belts while driving or riding in any Company vehicle equipped with seat belts.
G. No 3 Kings Environmental service vehicle shall be used to push, tow, or otherwise move a private vehicle.

H. Drivers shall proceed to and from their assigned job using major streets and highways or a route specified by Management. Side trips and unauthorized stops along the way are strictly prohibited.
I. Drivers shall not leave any vehicle unattended unless the engine is off, and the vehicle is safely and securely parked.
J. Vehicle engines shall not be started or allowed to run while refueling or while exposed to potentially flammable vapors.
K. Drivers are responsible for storing equipment, tools, and other materials in an orderly fashion on the vehicle. Loads shall be secured to avoid shifting or falling.
L. Any load extending beyond the normal width or length of the vehicle shall be appropriately marked with warning signs or flags. No load shall be carried which completely obscures the driver's vision in any direction.
M. Any vehicular accident involving injury to a person or damage to any vehicle, material, or property shall be reported immediately to Management.

4.3.6 HOUSEKEEPING:

A. Housekeeping is the responsibility of every 3 Kings Environmental employee. No job is complete until the work area is adequately cleaned up.
B. All trash and scrap material shall be placed in proper containers promptly.
C. Emergency equipment and building exits must be accessible at all times.
D. All tools shall be returned to proper storage areas or toolboxes after use.
E. Work areas, vehicle, and change houses must be kept clean. Personal clothing and materials shall be stored in lockers, if provided for the purpose. Company tools and materials shall be stored in lockers, if provided for the purpose. Company tools and materials shall not be stored in employee's lockers or personal baggage.

4.3.7 HAND TOOLS AND POWER TOOLS:

A. All employees are expected to know and use the proper tool for the job at hand. If you are not sure, ask your supervisor.
B. All tools shall be inspected before use. Any defective tool shall be removed from services and brought to the attention of your supervisor.
C. Guards on power tools, such as grinders (either portable or fixed), shall not be removed for any reason.
D. Power impact tools shall not be operated unless the retainer ring and/or pin is in place and the head is against a solid object to prevent the head from being thrown off.
E. Pneumatic tools shall never be connected to anything, but a plant air source or portable air compressor. **Always** check with plant personnel before connecting any tool to an energy source.

4.3.8 OVERHEAD WORK:

A. A ladder or scaffolding shall be used when the work to be done cannot be performed without reaching overhead.
B. No material shall be thrown or dropped from elevated places unless the area is properly barricaded and clearly marked to warn personnel who may be in the area.

C. No tools or other materials shall be carried by hand when climbing a ladder. A tag line shall be used to raise tools and other materials to elevated places.
D. When working in elevated locations, all tools and machinery shall be placed and/or secured so that such equipment will not fall or present a tripping hazard.
E. Safety harnesses and life lines shall be used when working in elevated locations where scaffolds and platforms equipped with guardrails are not feasible or practical.
F. Straight or extension ladders shall be securely lashed near the point of support to prevent the ladder from swaying or falling. (Someone must secure the ladder by hand while this is being done).
G. Ladders shall not extend more than three feet beyond the point of support.

4.4 PERSONAL/PROTECTIVE CLOTHING AND EQUIPMENT:

4.4.1 GENERAL:

A. All personnel shall dress suitably for the work in which they are routinely engaged. Loose clothing shall not be worn near moving machinery. Metal jewelry shall not be worn near live electrical systems.
B. Employees will not be allowed to work without a shirt or in a sleeveless shirt. All personnel should wear sleeve shirts with the cuffs buttoned while working in customer plants.
C. Industrial safety glasses shall be worn at all times as minimum eye protection by 3 Kings Environmental employees at all job sites. Industrial safety glasses with tinted lenses may be worn on Company property or if allowed by prevailing plant rules. However, tinted lenses shall not be worn after dark or inside vessels.
D. Tennis shoes, slippers, sandals, and any soft-soles shoes shall not be worn by service personnel “on the clock”. Company approved boots are recommended as standard footwear.
E. Never begin work on any line, vessel, or other equipment unless you are sure what service it is in and what protective clothing and equipment are necessary. Read the Job Scope Report carefully and consult with plant personnel or Management if you have any questions.

TAB 9 - Tool Box Safety Meeting

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Project Safety Meeting

Date: _____ Project #: **223060** Project Name: **Anacortes- Water Treatment Facility Demoliton**

Project Supervisor: **Brian McDaniels** Client Name: **City of Anacortes**

Safety Meeting Topics

Safety Hazard Addressed	Precautions, PPE, Potential Occurrences

Personnel Attending Meeting

Name: _____ Name: _____

Other Trades/Contractors Attending Meeting

Name: _____ Name: _____

TAB 10 - Hazard Communication Plan

HAZARD COMMUNICATION PROGRAM

In order to comply with WISHA WAC 296-62-054 , Hazard Communication, the following hazardous information program has been established for 3 Kings Environmental, Inc.

The program has been established to insure that information about the dangers, (and what to do to prevent the dangers), of any and all potentially hazard situations that may occur on a jobsite are communicated by 3 Kings Environmental, Inc. to all affected employees. All working employees of 3 Kings Environmental, Inc. will participate in this Hazard Communication Program. This written program will be available in the office for review by any interested employee.

Revised: 04/2013

INDEX

SECTION I – CHEMICAL HAZARD

SECTION II – ELECTRICAL HAZARD

SECTION III – LADDERS/SCAFFOLDING

SECTION IV – SLIPS, TRIPS & FALLS

SECTION V – FIRE HAZARD

SECTION VI – EMERGENCY/MEDICAL PROCEDURES & FIRST AID

SECTION VII – HEAT RELATED DISORDERS

SECTION VIII – CARBON MONOXIDE POISENING

SECTION IX – SAFETY AND HEALTH POLICY

SECTION X – GENERAL COMPANY SAFETY STANDARDS

SECTION XI – TOOL BOX SAFETY MEETING

SECTION XII – CONSTRUCTION SAFETY STANDARDS

SECTION XIII – OCCUPATIONAL INJURY & ILLNESS RECORD KEEPING

SECTION XIV – LOCK OUT/TAG OUT PROCEDURES

SECTION XV – CONFINED SPACE

SECTION XVI – SAFETY RULES

SECTION XVII – EMERGENCY RESPONSE PROGRAM

SECTION XVIII – EMERGENCY COMPLIANCE PROCEDURES

SECTION XVIX – PRACTICAL JOB PROBLEMS AND THEIR SOLUTIONS

SECTION XX – AIR CONTAMINANTS OTHER THAN ASBESTOS

SECTION I: CHEMICAL HAZARD

1. CONTAINER LABELING

The Supervisor will verify that all containers received for use will be clearly labeled as to the contents, note the appropriate hazard warning and list the name and address of manufacturer.

The Supervisor in each section will ensure that all secondary containers are labeled with either an extra copy of the original manufacturer's label or with labels that have the identity and the appropriate hazard warning. For help with labeling, see ***Jason Hawks***

The Hazard Communication Officer will review the company labeling procedures every six months and update as required.

2. SAFETY DATA SHEETS (SDS)

Jason Hawks is responsible for establishing and monitoring the company SDS program. He will make sure procedures are developed to obtain the necessary SDSs and will review incoming SDSs for new or significant health and safety information. He will see that any new information is passed on to affected employees.

Copies of SDSs for all hazardous chemicals in use will be kept in office/submittals.

SDSs will be available to all employees during each work shift. If an SDS is not available, immediately contact Jason Hawks.

NOTE: If an alternative to material safety data sheets are used, provide a description of the format.

3. EMPLOYEE TRAINING

The Onsite Supervisor is responsible for the employee training program. He/She will ensure that all elements specified below are carried out.
Prior to starting work each new employee of 3 KINGS ENVIRONMENTAL, INC., Inc. will attend a Safety Orientation and will receive information and training on the following:

A) An overview of the requirements contained in the Hazard Communication Standard, WAC 296-62-054.
B) Chemicals present in the workplace operations.
C) Location and Availability of our written Hazard Program.
D) Physical and Health effects of the Hazardous Chemicals.
E) Methods and observation techniques used to determine the presence or release of hazardous chemicals in the work place.
F) How to lessen or prevent exposure to these Hazardous chemicals through usage or control work practices and personal protective equipment.
G) Steps the company has taken to lessen or prevent exposure to these chemicals.
H) Emergency procedures to follow if they are exposed to these chemicals.
I) How to read labels and review SDS's to obtain appropriate hazard information.

J) Location of SDS file and location of hazardous chemical list.

After attending the training class, each employee will sign a form to verify that they attend the training, received our written materials, and understood this company's policies on hazard communication.

Prior to a new chemical hazard being introduced into any section of this company, each employee of that section will be given information as outlined above. The production coordinator is responsible for ensuring that MSDS's on the new chemicals are available.

4. HAZARDOUS CHEMICAL EXPOSURE

3 Kings Environmental, Inc. employees are involved with hundreds of coating products, the majority of which contain hazardous chemicals. We intend to have an SDS information sheet for every product that we use. It is the project supervisors and/or foreman's responsibility to become familiar with the hazardous chemicals in use on each individual project and instruct the workmen on necessary protection measures and safe handling methods for each product in use.

5. HAZARDOUS NON-ROUTINE TASKS

Periodically, employees are required to perform hazardous non-routine tasks. Prior to starting work on such projects, each affected employee will be given information by their supervisor about hazardous chemicals to which they may be exposed during such activity.
This information will include:

A) Specific chemical hazards
B) Protective/Safety measures the employee can take
C) Measures the company has taken to lessen the hazards including ventilation, respirators, presence of another employee, and emergency procedures.

6. INFORMING CONTRACTORS

It is the responsibility of the supervisor to provide contractors/customers the following info:

A) Hazardous chemicals to which other project crafts may be exposed while on the jobsite.
B) Precautions the employees may take to lesson the possibility of exposure by usage of appropriate protective measures.

The supervisor will be responsible will be responsible for contacting each contractor before work is started to disseminate any information concerning chemical hazards that we are bringing to the workplace.

SECTION II: ELECTRICAL HAZARD

One of the most common hazards, and one that gives the least warning, is electrical power. Incorrect wiring, improper grounding, and lack of proper shielding result in 1000 people per year being electrocuted. Many of these fatalities result from contact with only 120 volts a.c.

Three factors determine the severity of electrical shock. These are:

1. The amount of current flowing through the body.
2. The path of the current flowing through the body.
3. The time the current flows through this path.

These factors vary greatly. The path of the current depends upon the points of contact. Most often the path is from the hands, through the body, and out the feet. The amount of electrical resistance determines in part the amount of current flow. Moist skin or damp conditions greatly reduce electrical resistance and significantly increase a person's risk of personal injury if he/she comes in contact with a current source. I addition to the obvious shock potential, many deaths result from falls after a non-fatal electrical shock.

PRE-WORK CONSIDERATIONS/IDENTIFYING THE HAZARDS

During preparation of the work site, and during removal, there are potential electric hazards that can be identified and eliminated. Examples include:

1. **Identification of wiring faults in the building:** Including open ground paths, reverse wiring polarity, hot-neutral or hot- ground wires reversed. These common faults can easily be identified with plug-in type circuit testers and should be corrected prior to the start-up. This is particularly important if these circuits will be used to provide power inside the removal area.
2. **Uninsulated or exposed and energized wiring or equipment:** Removal jobs are often part of renovation or remodeling projects. Overhead lighting is often part of renovation or remodeling projects. Equipment or machinery may have been moved out of the area during the removal job and wiring left in place. Damaged equipment or electrical fixtures may not have been repaired by the building owner. All of these things may be combined to create sources of contact with energized electrical circuits. When possible, circuits that will not be used during removal efforts should be turned off and locked out. Wiring and electrical connections should always be considered energized unless tested. Unenclosed wiring junctions in overhead areas are a particularly likely point of contact for removal workers.
3. **Abatement projects where the building remains occupied:** This is becoming more common as industrial and commercial projects are increasing. This can present problems where electrical circuits or control panels inside the removal area, that control other parts of the building, must remain energized. Sealing transformers or control boxes may not be possible due to heat build-up. If this situation is encountered, polyethylene will have to be kept away to allow for air circulation and dry removal around them may be necessary.
4. **Providing power inside the removal area:** This can create hazards not associated with the building systems. Since OSHA considers abatement projects under the 29 CTF 1926 Construction Industry Safety and Health Standards, there are special requirement for supplying temporary power. This may be done by supplying power through Ground Fault Circuit Interrupters (GFCI) or having **Assured Ground Program** in effect. Use of GFCI's to protect all circuits provides the safest power source since any significant current leakage will trip the circuit. These devices prove most effective when kept outside the work area away from the high humidity. An assured Equipment grounding program requires regular inspection of all tools, cords, and electrical devices with written documentation maintained.
5. **Commonly found electrical devices on abatement projects are:** Lights, vacuum cleaners, negative air systems, drills, saws, heaters, sump pumps, and often radios. All these should be inspected regularly for damage, proper grounding, and integrity of insulation.

With the above-mentioned items in place, there are still several basic items that should be used for scraping to prevent a possible shock if wiring is cut or if contact is made with energized equipment. Hard rubber or plastic scrapers, while more difficult to find, perform well for removal. Wooden or fiberglass ladders reduce or eliminate a ground path if a worker contacts an energized circuit.

ELECTRICAL SAFETY REVIEW

The use of wet methods increases the potential for electrical shock when working around electrical panels conduit, light fixtures, alarm systems, junction boxes, computers, transformers, etc.

De-energize as much equipment as possible. Use portable floodlight systems for lighting and regularly check the system and wiring for damage.

Consider using dry removal in areas immediately adjacent to energize electrical equipment if de-energizing is not feasible.

Use non-conductive scrapers and vacuum attachments (wood, plastic, rubber).

Supply workers with heavy insulated rubber boots and/or gloves when working around energized wiring or equipment.

Utilize “hot-line” covers energized cables and power lines when possible.

Ensure all electrical equipment in use is properly grounded before the job starts. This means checking outlets, wiring, extension cords and power pick-ups. Check for ground-pin on plugs. These checks should also be made while setting up and regularly during the job.

Use care not to violate insulated coverings with scrapers, scaffolding, wheels, etc.

Avoid stringing electrical wiring across floors. Elevate wiring if possible to keep it away from water on the floor and damage from foot traffic and rolling scaffolds.

Do not allow water to accumulate in puddles on work area floors. Some specifications require damp floors, not deep water!

Ensure electrical are tightly sealed and taped to avoid water spray.

Always perform a pre-work walk-through to identify potential sources of electrical hazards to abatement workers, or equipment that may be damaged by wet removal methods.

Utilize stable wooden or fiberglass ladders - not metal.

Determine operating voltages of equipment and lines before working on or near energized parts.

Electrical equipment and lines should be considered energized unless tested and determined otherwise.

Energized parts must be insulated or guarded from employee contact and any other conductive object.

Extension cords used with portable electric tools and appliances must be the three-wire type and connected to a GFI circuit.

Extension cords:
1. Should be protected from accidental damage.
2. Should not be fastened with staples, hung from nails, or suspended by wire (tape is an acceptable alternative).

Portable electric hand tools should meet the following requirements:
1. Should be equipped with a 3-wire cord having a ground wire permanently fixed to the tool frame, or
2. Should be of double-insulated type and labeled as such.

For circuits over 600 volts, if electrical disconnects are not visible and open or locked out, the following requirements should be met:
1. Circuits to be de-generalized are clearly identified and isolated from all energy sources.

SECTION III: LADDERS/SCAFFOLDING/WALKING - WORKING SURFACES
(INSPECTIONS AND PROPER USE)

Asbestos Abatement projects always present risks to workers from falls, slips, or trips. The nature of the tasks necessitate the use of scaffolding and ladders.

Ladders

The following items should be checked on a regular basis:

- Ladders are always in good condition.
- Complete inspections are done periodically.
- No improvised repairs are made.
- Defective ladders are not used.
- Safety feet spreaders and other components of ladders are in good condition. (Missing safety feet create sharp edges that will cut polyethylene floor coverings.)
- Movable parts operate freely without binding or undue play.
- Rungs are kept free of grease or oil.
- Ladders are not used for other than their intended purpose. (Ladders should not be used as a walkboard or platform.)
- Extension type ladders should be used with a 1-4 lean ratio (1 foot out for every 4 feet of elevation).
- Stepladders should only be used when fully open.
- The user the faces the ladder while going up and down.
- Tops are not used as steps. If needed, get a longer ladder.
- Bracing on the back legs is not used for climbing.
- Portable ladders are used by one person at a time.
- Ladders are secured to prevent displacement during use.
- All ladders have well designed safety shoes.
- Hook and other type ladders used in structures are positively secured.
- Wood or fiberglass ladders should be selected to avoid electrical hazards or metal ladders.(???)

Scaffolding

Most asbestos abatement projects will involve the use of scaffolding. Proper set up, regular inspection, and basic maintenance should not be overlooked. In many removal projects, manually propelled mobile scaffolding is used, the height shall not exceed four time the minimum base dimension. This requirement is based on the fact that scaffolding is easily turned over. The figure illustrates a simple method to calculate the amount of force necessary to tip a scaffold. Since relatively little force is required to tip a scaffold, it becomes important to make sure that wheels on movable scaffolds move freely and are in good repair. If rented scaffolding is used, all components should be inspected prior to accepting it. Wheels should be turned freely and lubricated. All components such as cross bracing, railings, pin connectors, planking or scaffold grade lumber should be available before the units are assembled. When workers will be riding mobile scaffolding the base dimension should be at least one half of the height. Workers should be careful to keep debris bagged and obstacles off the floor where mobile scaffolds will be used. If a wheel catches on debris on the floor when the unit is moved, additional force will be required to move it. This additional force may be all that is needed to turn the unit over.

Guardrails should always be installed on scaffolding used for abatement projects. Workers are usually looking up while worker and can easily step off the edge of an unprotected scaffold. OSHA requires that guardrails be used when scaffolding is from 4 to 10 feet tall and less than 45 inches wide. Scaffolding 10 feet or higher should always have guardrails.

Planking used on a scaffold should not extend farther than 12” over the edges and should always be secured to the frame.

SECTION IV: SLIPS, TRIPS & FALL HAZARD

Area sealed with polyethylene and kept damp to reduce airborne fibers become very slick. Disposable booties are a potential trip hazard. Air and electrical lines create trip hazards. All these conditions create potential worker hazards even before removal begins. When asbestos and other debris are removed, the accumulations should be bagged and removed from the floor as soon as possible. This simple step, which may require more initial effort, will make cleanup easier and the overall job far safer.

In summary:

1. Consider the height of the work, equipment in use, and numerous trip hazards. Take a look at your “walking surfaces.”
2. The use of disposable booties may be impractical in many removal situations. They may come apart and create a serious trip hazard. Seamless rubber boots, slip-on shoes or safety shoes with non-skid soles may be an alternative depending on the job.
3. Inspect Ladders and scaffolding for condition. Ensure railings are adequate on scaffolds.
4. Minimize water on floors. Wet polyethylene is very slick and water increases the risk of electrical shock.
5. Use care around airlines and electrical cords.
6. Suspend electrical lines and cords when possible using tape.
7. No running, jumping or horseplay should ever be allowed.
8. Minimize debris on floors.
9. Pick up tools, scrapers, etc.

SECTION V: FIRE HAZARD

A few of the fire safety features to be concerned with are exits, travel distances, emergency lighting, and alarm systems.

Sealing off an area and blocking entrance/exit openings conflict with OSHA, NFPA, and local fire code requirements. The contract Specifications may state "one means of egress through a properly designed air lock and decontamination system;" however, emergency plans will be developed to include alternative exits in emergency situations and these must be familiar to all employees.

Perform a pre-work survey to determine potential fire hazards, sources of ignition, hot spots, and location of exits. Coordinate this with the number of workers to be in the area, the square footage, and the types and amount of combustion/flammable materials that will remain on site.

Some protective clothing will burn and melt quickly. It can shrink, adhere to skin and drip as it burns. Heavy black smoke is a combustion by-product.

Polyethylene (It's combustible) will start to burn slowly and pick up speed as more heat is generated. It gives off heavy smoke as the fire progresses. Flame spread is slow and steady. Sheeting should be kept away from heat sources such as transformers, steam pipes, boilers, etc., that will be heated during removal. (Polyethylene should not be allowed to contact surfaces above 150° F.)

To avoid fire problems in asbestos control area:

1. Ensure all sources of ignition are removed. Be sure that gas and other fuel sources are cut off and that pilot lights in boilers, heater, hot water tanks, compressors, etc., are extinguished.
2. Locate "hot spots." Quite often you will have to drape equipment instead of sealing off to prevent overheating (i.e., computers, terminal boards, switch panels, transformers).
3. Cut off lines to steam lines, electric and steam heaters, and radiators. Do not permit the polyethylene to lie against hot surfaces.
4. Do not allow lighters, matches, etc., into the work area. Strictly enforce no smoking, eating, or drinking inside the work area.
5. When using an oxygen/acetylene torch to cut pipe, etc., post a fire watch with an appropriate fire extinguisher such as pressurized water. Do not use CO2 extinguishers in confined or closed spaces. Dry chemical extinguishers are effective, but the powder is a respirator irritant.
6. When using a cutting torch, know what is on the other side of the wall and below the floor. Use sheet metal or a treated tarp to catch sparks.
7. Reduce the amount of flammable/combustible materials inside a space minimum prior to hanging plastic. This includes removal of any chemicals, flammable liquids, heat sensitive materials, etc.
8. Mark exits from work area and post directional arrows when exits are not visible from remote work areas. This can easily be done using duct tape on the polyethylene walls and barriers.
9. Keep trash and debris to a minimum (i.e., tape, poly, bags, lumber)
10. If the work area is large and many workers are present, several emergency exits may be needed. Choose exits that are locked from the outside, but can be opened from the inside. A daily inspection should be conducted to ensure secondary exits are not blocked.
11. Lighting of exits and exit route should be provided.

12. In case of fire, the fire hazard become more immediate than the asbestos hazard and workers may need to violate the plastic barriers. This should be covered with workers in the emergency action plan for job site.
13. Be alert or flammable vapors in industrial areas (solvents such as naphtha, toluene, xylol, etc.). This is especially critical in industrial vacuuming operations where vacuum motors are not explosion proof. Compressed air vacuums may be required.
14. A telephone should be available at all time for notification of authorities in an emergency.
15. Post local Fire Department and Rescue Squad phone numbers. Advise them of the operations in progress.
16. Ensure that you have a monitor outside at all times trained in emergency procedures. Someone should be trained in first aid, and in the treatment of heat stress.
17. Establish a system for alerting workers of a fire or other problem that may require evacuation of the work area. A compressed air boat horn provides an effective alarm that can be heard and does not rely on a power source. All persons entering the work area should be familiar with the evacuation alarm signal and primary and secondary exits. A simple floor plan drawing of the work area should be posted to familiarize persons entering the work area with the site and location of exits.

SECTION VI: EMERGENCY PROCEDURES/MEDICAL SERVICES AND FIRST AID

OSHA requires that all employees exposed to asbestos at or above the PEL, be offered a physical exam within 10 days following the thirtieth day of exposure. However, OSHA also requires that a medical determination be made that an employee is physically capable of wearing a respirator before he performs asbestos abatement activities. The examining physician or clinic should be aware that employees will be exposed to asbestos and will be required to wear respirators and work under hot and adverse conditions. During warm months, heat exhaustion and heat stroke are serious hazards faced by workers; particularly those not acclimated to the heat.

SECTION VII: HEAT-RELATED DISORDERS

It is important for the employer to provide training in the symptoms and effects of heat stroke. It is also important to stress the importance of drinking water and maintaining proper electrolyte levels.

Heat Exhaustion:

Symptoms: Fatigue, weakness, profuse sweating, normal temperature, pale clammy skin, headache, cramps, vomiting, fainting.

Treatment:
1. Medical Alert
2. Remove worker from hot area.
3. Have worker lie down and raise feet.
4. Apply cool wet cloths.
5. Loosen or remove clothing.
6. Allow small sips of water or Gatorade if victim is not vomiting.

Prevention:
1. Frequent breaks
2. Increase fluid intake

3. Allow workers to become acclimatized to heat.

Causes:
1. High air temperature
2. High humidity
3. Low air movement
4. Hard work
5. Not enough breaks
6. Insufficient fluid intake
7. Full body clothing
8. Workers not acclimated to heat

Heat Stroke:

Symptoms: Dizziness, nausea, severe headaches, hot dry skin, confusion, collapse, delirium, coma, and death.

Treatment:
1. Medical emergency
2. Remove worker from hot area.
3. Remove clothing.
4. Have them lay down.
5. Cool body.
6. Do not give stimulants.

Causes:
1. High air temperature
2. High Humidity
3. Low air movement
4. Hard work
5. Not enough breaks
6. Not drinking enough water
7. Full body clothing
8. Not acclimatized

Telephone numbers of the physicians, hospitals, or ambulances will be conspicuously posted.

To provide for prompt transport of an injured person to a physician or hospital either:

1. Proper equipment is provided; or
2. Telephone with emergency phone numbers is readily available.

Before beginning the project, provisions are made for prompt medical attention in case of serious injury.

Someone trained in basic first aid will always be on the abatement project.

When airline respirator protection is used, it is important that the outside monitor be familiar with the system and any problems associated with breathing air. Carbon Monoxide poisoning is perhaps the

most important of these problems. It is important of these problems. It is important to note that these symptoms are similar and may be confused with those from heat stress.

SECTION VIII: CARBON MONOXIDE POISENING

Symptoms: Dizziness, nausea, headache, drowsiness, vomiting, collapse, coma, and death.

Sources:

1. Oil Lubricated compressor
2. Internal combustion engine
3. Open flame and fire
4. Unvented gas/kerosene heaters

Description: Colorless, odorless and tasteless

Limits:

1. 50 ppm (time weighted average over 8 hours)
2. 500 ppm (short form exposure limit - 15 minutes)
3. 20 ppm (Grade D breathing air for airline respirators) (maximum allowable concentration)

If these symptoms are observed, those persons will immediately be brought into fresh air and medical attention will be provided.

We will monitor any prescription or over the counter medicines being used by employees. These may cause an adverse reaction when used by persons under adverse conditions common to removal work.

SECTION IX: SAFETY AND HEALTH POLICY

The personal safety and health of each employee of this company is of primary importance. The prevention of occupationally induced injuries and illnesses is of such consequences that it will be given precedence over operating activity at all times. To the greatest degree possible, management will provide all mechanical and physical facilities required for personal safety and health in keeping with the highest standards and common good sense.

Our objective is a safety and health program that will reduce the number of disabling injuries and illnesses to a minimum. To be successful, such a program must embody the proper attitudes toward injury and illnesses prevention on the part of managers, supervisors and employees.

3 Kings Environmental, Inc. Safety and Health Program includes:

1. Providing mechanical and physical safeguards to the maximum extent that is possible and maintain them in positive plus in operating condition.
2. Conducting a program of health and safety inspections to find and eliminate unsafe working conditions or practices, to control health hazards, and to comply fully with the health and safety standards for every job. We will exceed the standards where feasible and possible.
3. Training all employees in good safety and health practices for hazards on and off the job.

4. Providing necessary personal protective equipment and instructions for its care and replacement in addition to standards requiring its use.
5. Developing and enforcing safety and health rules; requiring employees to cooperate with these rules as a condition of employment. They can expect to be disciplined should safety rules be violated. Violation of safety rules will result in disciplinary action up to and including termination if situations warrant.
6. Investigating, promptly and thoroughly, every accident to determine all causes and to collect all cause such an accident will not recur. An employee member shall assist in the investigation.
7. Setting up a set of recognition and awards for outstanding safety program participation and performance.
8. Establishing an off-the-job safety awareness.

RESPONSIBILITIES

We recognize that the responsibilities for safety and health are shared:

Management is responsible, and accepts the responsibility, for leadership of the safety and health program, for its effectiveness and improvement, and for providing the safeguards required to ensure safe conditions.

Supervisors are responsible for developing the proper attitudes toward safety and health in them and in those they supervise, and for ensuring that all operations are performed with the utmost regard for the safety and health of all personnel involved, including themselves.

Employees are responsible for wholehearted genuine cooperation with all aspects of the safety and health program, including compliance with all rules and regulations, and for continuously practicing safety while performing their duties.

Our Safety Committee or safety meetings shall be given full support by management at all levels. The meetings will be on employee's time unless other agreement is reached.

All safety activities will be fully publicized on the safety bulletin boards.

We shall encourage all employees to procure and maintain a current first aid card. At least one employee with a valid first aid card will be readily available when employees are working.

SECTION X: GENERAL COMPANY AND SAFETY STANDARDS

1. Safety begins with you. What you do or don't do on the job can cost you or your fellow worker an eye, a hand, limb or life. Safety means being alert to unsafe acts or conditions. You are expected to comply with al safety practices regulating construction activity at the job site and/or on 3 KINGS ENVIRONMENTAL, INC., Inc. premises.

2. Horseplay and Practical jokes, which could result in bodily injury or property damage, will not be tolerated and could lead to dismissal.

3. If you are new, or unfamiliar with new work conditions, you can do several things to keep your job safe. Ask questions when in doubt. Listen carefully to your supervisor's instructions. Watch and learn from others and participate at your meetings.

4. Accidents involving vehicles, equipment, and/or persons:

    a. In case of an accident, make sure your supervisor and/or safety director is notified as quickly as possible, which will, in turn, notify proper insurance company representatives. All personal injuries, regardless of the severity, will be reported at once to the immediate supervisor or foreman.
    b. For vehicular accidents, set out flags or flares and/or reflectors if vehicle is equipped with these items. Position one forty (40) steps (100 feet) to the front, one forty (40) steps to the rear, and one immediately opposite the vehicle, in accordance with the I.C.C. Safety Rules.
    c. Do not move injured persons unless absolutely necessary.
    d. Notify the police if necessary. If a telephone cannot be reached write a brief, carefully worded note and ask a reliable motorist phone or give it to the police.
    e. Fill out our accident report form (to be carried in each vehicle at all times). Be sure to get names of all witnesses. Regardless of the facts admit nothing, promise nothing and don't argue. Be polite, give your name, company name, and offer to show your driver's license.
    f. Don't move or allow to be moved, any vehicle involved until someone arrives who can verify or witness the position of the vehicles, length and position of the skid marks, and lights on the vehicle. Draw a quick sketch of the accident on the form provided in the vehicle.
    g. Employees must, without fail, report every accident (property damage or injury), however minor. Failure to report any accident will be cause for dismissal.

5. Drinking or Drug use: Employees will not be permitted to work while under the influence of alcohol or drugs. Any attempt to do so will result in immediate dismissal.

6. Personal Conduct: Your attitude is a big part of safety. It can be contagious. That is why having a positive attitude toward safety is important. What you do and say can affect other employees and it can have an overall impact on the job. You are expected to look professional on the job. Field personnel should dress according to 3 KINGS ENVIRONMENTAL, INC., Inc. standards, neat with company shirts and jeans at all times.

7. Housekeeping: Good housekeeping is a company requirement. Keep your work area clean and uncluttered.

    Do not leave tools, cords, lines, hoses or debris lying around the work site. They could constitute a tripping hazard, therefore should be properly stored.

    Make housekeeping part of your daily routine. A clean area is a safe place to work.

8. Lifting:

    a. Lift only what you are sure you can safely handle. No weight limit can commonly be set except those by you common sense. Size up the load before you lift it. Get help if necessary. Use mechanical lifting devices wherever possible.
    b. How to Lift: When lifting, make the strong leg muscles do the work by crouching under the load and by keeping you back as vertical as possible. Face the load, and keep it close to the body, lifting gradually with legs slightly bent. Don't lift from a twisted or awkward position. Firm footing and a solid grip are equally important.

c. Keep hands and feet in such a position as to protect them from being crushed if load is dropped or strikes other objects. Do not attempt to catch falling objects! Wait until the object comes to rest, then begin from there.
d. When handling material with another, all shall agree on who is in charge and the signals to be given. Load shall not be moved or released until all are ready.
e. When carrying extended loads such as pipe, lumber, or ladders, keep front end high and watch carefully to avoid striking objects or other persons.
f. If an object is too bulky to allow you to watch where you are going, it is too big to carry alone. Get help or use transporting equipment. Do not walk backwards.
g. Do not attempt to carry anything in the hands or under the arms while using vertical ladders. Hand lines for raising or lowering these objets are available in the tool rooms.
h. No power tools of any description shall be raised or lowered to or from decks or staging by the air hose or power cable.
i. Never throw tools or materials to another worker.
j. In piling material or placing equipment, see that it is securely placed in a stable position to prevent falling.

SECTION XI: TOOL BOX SAFETY MEETINGS

1. Purpose: To assist in the detection and elimination of unsafe conditions and work procedures.

2. Procedures: The following guidelines will be followed:

   a. Meetings are held one a week in your individual departments (except for main office staff and estimating). If you are a field employee, the meetings are held each Tuesdays at 10:00 a.m. at the job site.
   b. The attendance and subjects discussed shall be documented and maintained on file for a period of one year. Copies of the minutes must be provided to: (1) top management, (2) the safety officer, and (3) employees, by posting on the bulletin board and placing in break areas.

3. Scope of activities:

   a. Conduct safety inspections with supervisor concerned.
   b. Assist in accident investigation to uncover trends.
   c. Review accident reports to determine means of elimination.
   d. Accept and evaluate employee suggestions.
   e. Review job procedures and recommend improvements.
   f. Monitor the safety program effectiveness.
   g. Promote and publicize safety.

   FOREMAN-CREW WEEKLY SAFETY DISCUSSION

   Respirators - Fit Checking, Cleaning and Storing
   Proper protective Clothing Maintenance
   Procedures for Entering/Exiting Work Area
   Current Worker Certificate, Physical, Quantitative/Qualitative Fit Test
   Micro-Trap Filters - When to Change
   Ladder and Scaffold Safety: Avoid Trips, Slips, Falls: Head Protection

Electrical Safety - Ground fault protection, outlet and Active conduit/Equipment protection
Fire Safety - Location of Fire Extinguishers - Exit Procedures
Specific Job site Hazards

The tool box safety form should be completed at your weekly safety meeting and turned in with job sheets and time cards each week. Be sure to obtain signatures of those in attendance:

SECTION XII: CONSTRUCTION SAFETY STANDARDS

Employees engaged in construction activities will conduct themselves in a manner conductive to safe operations with respect to fellow employees and the general public.

Using Ladders:

Use a clean, dry ladder free from defects. Do not use a ladder with broken or missing rungs or with a split side rail. Pitch a portable ladder one fourth the distance of its length. A 16 foot ladder, for example, should be placed out four feet from the wall.

Portable ladders must be tied, blocked and equipped with safety shoes or otherwise anchored to prevent slipping. Ladders should not be used in front of unlocked, unguarded door openings, and ladders should not be placed on movable bases such as boxes, tables or trucks.

Scaffolds:

When work cannot be performed safely and efficiently at elevated locations from a ladder, scaffolding must be used. Guardrails and toe boards shall be installed at all open ends and sides for platforms ten feet or more above ground or level floor.

All scaffolds and scaffold supports shall be built to safety serve and support expected loads. No load in excess of the designed capacity shall be permitted. Scaffolds should be capable of supporting four times its maximum intended load.

The footings or anchorage for the scaffolding must be sound, rigid, and capable of carrying it's intended load without settling or displacement. Objects such as boxes, barrels, bricks, or concrete blocks should not be used.

Do not allow others to use our scaffolding or spiders. Do not use other's scaffolding unless you have gone over the checklist provided by you superintendent.

No scaffold shall be built, moved, altered and dismantled except under the supervision of a competent person.

Scaffolds must be kept in good repair.

When using rolling scaffolds, lock all casters when scaffold is being used. If the height of the scaffold is more than three times the least base dimension, the scaffold should be secured to prevent tipping. Do not move rolling scaffolds with someone on it.

SECTION XIII: OCCUPATIONAL INJURY AND ILLNESS RECORD KEEPING

In accordance with applicable requirements of WISHA standards, 3 KINGS ENVIRONMENTAL, INC., Inc. will ensure the appropriate records are kept as follows:

1. Maintain a log and summary of occupational injuries and illness on OSHA form 200. Recordable cases include:
   a. Every occupational death
   b. Every occupational illness
   c. Every occupational injury that involved:
      (1) unconsciousness
      (2) inability to perform all phrases of the regular job
      (3) inability to work full time on a regular job
      (4) temporary assignments to another job
      (5) medical treatment other than first aid

2. Keep copies of all reports generated when an employee is injured on the job.

3. During the month of February, post the completed summary portion of the OSHA 200 form for the previous year.

4. Maintain records for five years following the year to which they relate.

5. Record each recordable injury and illness on the log as early as practicable, but no later than six working days after the receiving the information that a recordable case has occurred.

6. In addition to the OSHA 200, a supplementary record for each occupational injury or illness (OSHA 101) will be maintained. Other reports such as worker compensation forms are acceptable alternatives for the OSHA 101 if they contain the information required by the OSHA 101.

SECTION XIV: LOCK-OUT/TAG-OUT PROCEDURES

Unexpected operation of powered or pressurized equipment can cause serious injury or death to persons working on it. Therefore positive controls must be established and enforced to assure safe work around such equipment.

The two energy sources that are of most concern to this company are electricity and steam. Lock-out procedures for these sources follow:
<u>Electrical</u>:

1. Advise the operator of the equipment of the shut down.

2. Identify all power sources (i.e., 110 and 440 lines, 2 drive motors, etc.).

3. Turn off all power sources.

4. Padlock the control or master switch with your own lock:
    a. Each lock must be labeled with the name of the person using it.
    b. If more than one person is working on the equipment, each person shall place his lock on the control or switch.

5. Place sign at the switch stating the work being done (motor repair, etc.).

6. When the job is finished, remove all signs and your lock - never allow another person to remove it for you.

7. If you lose your key, report it immediately to your supervisor.

8. Each Padlock will have only one key and a master which shall be retained by the superintendent.

9. Superintendents may not remove a padlock until a thorough inspection is made of the area to assure that no person is exposed to the dangers of the system to be activated.

Pressurized Lines:

1. Advise users of the line of the shut down.
2. Close and Lock out the main steam valve.
3. Bleed the line.
4. Open the line and insert a blank flange between the power source and the job.
5. Place a sign at the main steam valve identifying the work being done.
6. When the job is finished remove the blank flange, your padlock, and the sign in that order. Do not remove another person's lock.
7. If you lose your key, report is immediately to your supervisor.

SECTION XV: CONFINED SPACE

"Confined Space," means any space having a limited means of egress which is subject too the accumulation of toxic or flammable contaminants or an oxygen deficient atmosphere. Confined spaces include but are not limited to storage tanks, process vessels, bins, boilers, ventilation or exhaust ducts, sewers, underground utility vaults, tunnels, pipelines, and open top spaces more than 4 feet deep, such as pits, tubes, vaults and vessels.

Requirement for entry; each project will be under the direct supervision of an individual who is competent in evaluating and assessing any possible hazards encountered. His knowledge must include precautions, first aid, artificial respiration, and a broad knowledge of the personal protective equipment required.

Asbestos removal inside a negative pressure enclosure with controlled egress constitutes a confined space, as you may be containing toxic or flammable substances in an otherwise unconfined environment. Careful examination of manufacturing processes of chemical substances and physical agents such as heat or cold must be incorporated. Stacked cartridges or special precautions may be necessary on a project-to-project basis.

SECTION XVI: SAFETY RULES

1. Immediately report all injuries, no matter how minor, and all suspected occupational illnesses to your supervisor or job supervisor.
2. Report any observed unsafe condition or unsafe practice to your supervisor.
3. Keep aisles and walkways clear of all obstructions and foreign objects (including water/oil or grease) on the walking surface.
4. Materials shall be stacked, blocked, interlocked or limited in height so that it cannot slide or collapse.
5. Follow proper lifting techniques when manually handling material (size up the load, plan path of travel, bend the knees, get a good firm grip, keep the load as close to the body as possible, lift with the legs, do not twist the body while lifting, after straightening up, move feet then move with load. If the load starts to fall, do not attempt to catch it! Get clear of the falling load. Reverse the method for setting down the load.)
6. Horseplay, scuffling or running on company premises will not be tolerated.
7. Wear the proper protective equipment furnished and provide the proper care for such protective equipment.
8. Ensure all required safety guards are in place prior to operating machinery. Report immediately any missing guards and/or unsafe machinery to your supervisor.
9. Use the proper hand tools for the job being accomplished. Maintain hand tools in a safe operating condition and report unsafe and faulty tools to your supervisor.
10. Observe standard-handling procedures for those materials used that could constitute health hazards unless special precautions or controls are followed.
11. If ladders or stools are required to be used, place them on a stable base and ensure they are secured or held to prevent slipping, falling, or tripping.
12. Do not operate special equipment such as forklift trucks, pallet jacks, carts and other special equipment unless trained to do so. If trained, follow the proper instructions and move at a safe speed.
13. If required to operate a company vehicle on the streets and highways, follow good defensive driving techniques and operate the vehicle as if it were your own. If involved in an accident, do not say or do anything that might indicate you accept any responsibility for the accident. Exchange the necessary information (name, driver's license number, company name, insurance company information, your address and telephone number) with the other driver after ensuring anyone injured has received appropriate medical attention. Get names, addresses and phone numbers of any witnesses. Make a drawing of the accident scene, showing street names, traffic control devices, obstruction to views, type road surfaces, weather conditions and any other pertinent information (another vehicle not involved in actual accident contributed to accident). Immediately notify the main office so the insurance representative can be notified.
14. Be familiar with the primary and alternative exit routes from the work area in case evacuation would be necessary.
15. Know the location of and the proper use of fire extinguishers located on the job site.
16. Participate in any safety training provided by supervisory personnel.
17. Observe all hazard warning signs and "No Smoking" signs posted at the job site.
18. Do not report to work under the influence of alcohol or illegal drugs. If required to take prescription drugs during work, ensure that your supervisor is aware of the type of drug and any suspected side effects it might produce.
19. Gambling on the premises will not tolerated.
20. Asbestos Abatement Projects:

a. All employees working on an asbestos abatement project shall wear proper respiratory devices at all times.
b. All employees working within containment barriers after abatement operations have started (including wetting procedures) shall, in addition to proper respiratory protection, wear full body protective clothing.
c. Respirator fit shall be checked each time the respirator is donned.
d. No employee shall be allowed to work on an asbestos abatement project unless and until has passed his medical exam, has been issued a respirator that has been properly fit tested using irritant smoke procedure, and has a current state certification card in his possession.
e. No employee shall exit the contamination procedures including removal of all protective clothing and taking a shower.
f. All employees shall follow proper procedures for cleaning and maintenance of respirators at the end of each shift.
g. Visitors to asbestos abatement sites within a building must be removed from the area.
h. Asbestos abatement areas within a building must be barricaded so that unauthorized entry to the work area is extremely difficult.
i. No equipment shall be removed from the containment area until it has been properly decontaminated.
j. No person in a contaminated space shall be allowed to eat drink or smoke or remove his respirator for any other reason.
k. Failure to comply with any of the asbestos safety rules shall result in immediate termination of the employees.

2l. Any safety violations observed which are not immediately addressed by your superintendent should be reported to the company president as soon as possible.

22. Because of the large amounts of flammable visqueen utilized in asbestos abatement work, there is a serious potential for fire. Ample fire extinguishers must be provided and an emergency fire plan should be developed for each abatement project.

Responsibility for Safety

Ultimately, project safety assurance is the responsibility of the supervisor; however, safety is a concern of every member of the field team.

It is the supervisor's responsibility to enforce and reinforce required work practices and discourage unsafe work practices following company policies for discipline and ultimately discharge of those who consistently fail to follow regulatory and company safety policies and rules.

SECTION XVII: EMERGENCY RESPONSE PROGRAM

PURPOSE

The purpose of this program is to provide a set of decision making rules that will govern actions of 3 Kings Environmental, Inc. in the event that fiber counts from personnel and/or area monitoring samples exceed maximum allowable levels.

DEFINITIONS

1. Maximum allowable fiber count - That level of Fibers, five microns or longer, with a aspect ratio of 3:1, that, by definition, triggers the emergency responses as outlined in this program.
2. Most contaminated worker - That employee who, in the opinion of the contractor, is experiencing the most severe exposure.
3. Regulated Area - An area that is isolated from non-asbestos workers by temporary barriers for operations such as glove bag work.
4. Isolated Area - An area that is contained within temporary or permanent barriers and in which asbestos abatement work is conducted under negative pressure conditions with airline respirators.
5. SOP - Standard Operating Procedures
6. Company - 3 Kings Environmental, Inc.

ACTION POINTS

This program is to be implemented if and when air monitoring results exceed maximum allowable fiber counts, as follows:

AREA/PERSON SAMPLED

Regulated area - inside
Isolated area - inside
Most contaminated worker (ceiling concentration
sample) - Regulated area
- Isolated area
Work area vicinity (outside the isolated/
regulated areas)
Vacuum truck exhaust
Negative Air exhaust
Post abatement samples

PROJECT MANAGER/SUPERINTENDENT

The Project Supervisor immediately upon discovery that a maximum allowable fiber count has been obtained, shall notify the Company in the following priority:

1. Company Competent Person/Project Supervisor (on-site)

2. Company Office (during working hours) PHONE: 360-666-5464 FAX: 360-666-8202

3. Project Manager:

   HOME PHONE:

4. Superintendent:

   HOME PHONE:

5. Foreman:

HOME PHONE:

The following information is to be provided to each of the above individuals:

1. Identification of the person/area sampled.
2. The fiber count.
3. The sample volume.
4. Specific task being performed and procedures employed.
5. Recommended actions to solve emergency problem.

All verbal communications are to be confirmed in writing to the above named as soon as practical.

PROJECT SUPERVISOR/COMPETENT PERSON

Upon Advisement, whether verbal or in writing, by the testing laboratory or customer representative that a maximum allowable fiber count(s) has been exceeded, immediately:

1. Log the date, time, and the name of the individual providing the advisement, as well as the nature and location of the problem.
2. Stop work on the affected area(s) and have all employee(s) egress the area(s) in accordance with standard procedure.
3. Direct al affected employee(s) to the decontamination center to dress down, dispose of clothing and respirator cartridges, shower and inspect their respirator in accordance with the RESPIRATOR PROGRAM.
4. Inspect containment of isolated areas; repair defects, if any.
5. Call the project manager and/or coordinator to appraise of or discuss the situation.
6. Invoke emergency compliance procedures.

PROJECT MANAGER AND/OR COORDINATOR

Upon verbal advisement by the Project Supervisor, testing laboratory or customer representative that a maximum allowable fiber count(s) has been exceeded, immediately:

1. Log the date, time, and name of the individual providing the advisement, as well as the nature and location of the problem.
2. Discuss the situation with the project Supervisor.
3. Confer with Operations Manager and/or General Manager.
4. Invoke emergency compliance procedures.

SECTION XVIII: EMERGENCY COMPLIANCE PROCEDURES

AREA/PERSON - MOST CONTAMINATED WORKER

COURSE OF ACTION

1. Following SOP, re-outfit the worker with new filters, clothing.
2. Ingress contained area in customary manner.

3. With HEPA filtered vacuum and/or mops, sponges, rags, etc., thoroughly clean the area in the vicinity of where the most contaminated worker was performing his/her tasks.
4. Review the appropriate procedures with the worker.
5. Once the air monitoring technician has the air pumps and cassette in place, closely supervise the worker, ensuring all procedures are complied with.
6. Discontinue work at the end of the sample and await results. (The worker may be assigned to another task.)
7. If this sample is within tolerance, continue the operation.
8. IF THIS SAMPLE EXCEEDS THE MAXIMUM ALLOWABLE LIMIT, SUSPEND OPERATIONS AS BEFORE AND REVIEW PROCEDURE BEING EMPLOYED WITH THE PROJECT MANAGER, COORDINATOR, OPERATIONS MANAGER, AND/OR GENERAL MANAGER, AND THE CUSTOMER'S REPRESENTATIVE, IF AVAILABLE, IN ORDER TO IMPLEMENT PROCEDURES THAT BRING THE FIBER COUNTS WITHIN TOLERANCE.

<u>WORK AREA</u>

1. Following SOP, re-outfit the worker with new filters, clothing.
2. Ingress contained area in the customary manner.
3. With HEPA filtered vacuum and/or mops, sponges, rags, etc., thoroughly clean the work area.
4. Review removal practices and inspect the negative air machine filters and air flow; recompute isolated volume and air change rate.
5. If necessary or advisable, replace, repair, or add to the HEPA air purifying negative pressure system.
6. Review the appropriate procedures with the worker(s).
7. After the air monitoring technician has the air pump(s) and cassette(s) in place, commence closely supervised work.
8. Discontinue work at the end of sample(s) and wait results. (The workers may be assigned to another task.)
9. If this sample(s) is within tolerance, continue operations.
10. If this sample(s) exceeds the maximum allowable, suspend operations as before.
11. Review the situation and procedures with the Project Manager, Coordinator, Operations Manager and/or General Manager to develop a plan to reduce the fiber counts.

WORK AREA VICINITY (OUTSIDE THE ISOLATED AREA)

1. Stop work inside the contaminated area immediately.
2. Inspect containment for tears, holes, rips, etc., - any opening that might permit the egress of asbestos fibers and review removal techniques. If any openings are found, repair them.
3. With mops, HEPA filtered vacuums, sponges, etc., clean the entire vicinity, including fixtures, furniture, shelves, etc.
4. Call the air monitoring technician into the area to draw samples in accordance with the specifications.
5. If these samples are below maximum permissible levels, continue work inside the isolated area AFTER reviewing procedures for removing bags of asbestos containing debris through the transition zone with the workers.

    2A. If no openings are found in the containment barrier, review the procedures being incorporated by the workers for the wipe down, transfer and double bagging of the bags

of debris to determine whether this is the cause of a high fiber count outside containment. Go to 3, above.

2B. Inspect negative air equipment, including samples, if necessary or advisable, for malfunction, including the possibility of holes of poor connections on the exhaust side. Recalculate the number of negative air machines required. Go to 3, above.

2C. If all the above conditions are negative, inspect the area outside containment for possible causes of high fiber counts. Specifically, look for work by others, friable asbestos not in our scope of work, and sources of dust other than asbestos.

NEGATIVE AIR EXHAUST

1. Turn off the machine(s) one at a time.
2. Inspect all filters, including both sets of pre-filters and the HEPA filter.
3. Change filters as necessary or advisable.
4. Document the equipment change in the equipment log.
5. Call air monitoring technician into the area.
6. Air pump(s) and cassette(s) are set in place, restart the equipment and the work in order to draw representative sample(s).
7. If the sample(s) exceeds maximum allowable, suspend work until the unit can be replaced.

NOTE: If another unit is available, step 2, should be to change out equipment.

POST ABATEMENT SAMPLES

1. Re-clean the work area with sponges, mops, rags, etc.
2. Re-spray with bridging encapsulant.
3. Call the air monitoring technician into the area to draw additional clearance sample(s).
4. If the sample exceeds maximum allowable levels, consult with the Project Manager, Coordinator, Operations Manager and/or General Manager and Owner's Representative to establish a mutually agreed upon course of action.

NOTE: Under no circumstances is containment to be removed without acceptable post abatement samples.

GLOVE BAG WORKER

1. Cordon the area and ensure that warning signs and barrier tape are in place.
2. Ensure that all personnel in the area are properly equipped with respirator and clothing.
3. Using mops, sponges, rags, and/or HEPA filtered vacuums, clean the affected area thoroughly.
4. Inspect the glove bags for tears, melting, poor attachment; repair or replace as needed.
5. Call the air monitoring technician into the area.
6. Review glove procedures with the worker.
7. Commence closely supervised work during the course of the subsequent sample.
8. If this sample exceeds maximum allowable levels, repeat steps 1 through 3, above, and replace glove bag worker with more competent person.

WORK AREA IN VICINITY OF GLOVE BAG WORKER

1. Cordon the larger area than that already cordoned, ensuring that warning signs and barrier tape are in place.
2. Ensure that all personnel in the area are properly equipped with respirator and clothing.
3. Inspect all bags containing debris that are in the area for rips, tears or punctures; repair or re-bag as needed or advisable and remove from the area.
4. Using mops, sponges, rags, and/or HEPA filtered vacuums, clean the affected area thoroughly.
5. Call the air monitoring technician into the area to draw sample(s).
6. If the sample(s) is within the tolerance, review glove bag procedures with the workers and recommence work.
7. If the sample(s) exceeds maximum allowable fiber counts, consult with the Project Manager, Coordinator, Operations Manager and/or General Manager and Owner's Representative to determine a mutually agreed upon course of action.

SECTION XIX: PRACTICAL JOB PROBLEMS AND THEIR SOLUTIONS

This is a discussion of how some of the problems encountered in the field have been resolved.

1. Visitors can be a problem, especially those who accidentally enter the contaminated area. To solve this problem, it is recommended policy to erect substantial barricades to make it almost impossible to accidentally enter the contaminated area. Unauthorized visitors must be immediately escorted through the decontamination station and off the project. Authorized visitors must don all necessary protective gear, perform necessary respirator fit tests and fit checks and follow all decontamination procedures required of all who enter the work area.
2. All those working on asbestos abatement should be aware of the time lapse between taking air samples and obtaining fiber count results. For this reason, the work is started with respirators providing the highest protection factor until we can be reasonably certain of the exposure levels to be encountered. It is also for this reason that fibrous aerosol monitors are used on large removal projects to provide instant and continuous readings of the fiber count in and adjacent to the work area.
3. Working on an operating boiler and/or hot pipes poses unique problems due to wetting agents turning to steam and melting of glove bags. This work also requires additional protective clothing and workmen should take frequent breaks in a cool area if heat exhaustion is a problem. We recommend that you avoid working under these conditions and insist boilers and other high temperatures be temporarily shut down during asbestos abatement work on them. If it is not possible to shut down boilers and/or hot piping, high power vacuums (super suckers) can be utilized and asbestos material removed from hot surfaces placed directly into the vacuum hose. Remember that dry removal requires special E.P.A. approval.
4. Of paramount concern is the possibility of the release of asbestos fibers from the work area. We recommend a minimum of four air changes per hour through our negative air systems and pay close attention to thorough wetting of asbestos materials at all times. It is our goal to keep the fiber count in the work area below 1.0 F/CC at all times.
5. Water leaks through visqueen barriers can be a serious problem, especially on floors. For this reason, it is imperative that close attention be paid to overlapping of joints and use of liberal amounts of spray adhesive and duct tape. These joints are to be monitored closely to avoid water leakage from the work areas.

SECTION XX: AIR CONTAMINANTS OTHER THAN ASBESTOS

There are two sources of other air contaminants:

1) Wetting agents encapsulation and sealing, adhesives removal agents

2) Hazardous chemicals and fumes produced in the facility at which you are working usually processing plants

1. Wetting Agents, Encapsulation, Sealing and Adhesives Removal Agents

Normally, the materials that we use do not require additional protection, but if using certain containment sealing materials such ass "spray poly" a dual cartridge filter is required to be used to protect from ammonia vapors. As a minimum, half face dual cartridge respirators with organic vapor cartridges should be used when dealing with all of these products in non-ventilated areas.

Material safety data sheets are enclosed for spray glue encapsulant, sealing and removal agents, etc. These documents describe the precautions to be taken, if any, during use of these products.

2. Hazardous Chemicals and Fumes in Processing Plants

Very often, special dual cartridges filters must be used to protect from both asbestos dust and fumes generated in processing plants. In these cases, it is important to meet with the plant safety engineering people to determine special respiratory protections needed sue to fumes produced in special processing and hand/body protection necessary over and above normal asbestos abatement protective clothing.

TAB 11 - Job Hazard Analysis

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JOB HAZARD ANALYSIS

Job or Task:	Service Location	Date of Analysis

Analysis Initiated by:
☐Employee ☐ Supervisor ☐ Safety & Health Coordinator ☐Other

Industrial Safety & Health Division Consultant called: ☐ Yes ☐No	Name:

JOB OR TASK STEPS	HAZARD	PROTECTION OR PREVENTION

Supervisors Signature

TAB 12 - Contingency Plan

CONTINGENCY PLAN

A) 3 Kings Environmental, Inc. will notify the local fire department in writing as to the nature of the work we are performing as well as the estimated start and completion dates.

B) All of 3 Kings Environmental, Inc. employees are certified in First Aid, as well as CPR.

C) In the event of a Medical Emergency 3 Kings Environmental, Inc. will call 911. All personnel will be directed as to where a phone will be available for any such Emergency. Or contact someone at the hospital, for immediate attention. (During scheduled Safety Meetings).

D) In the event of a Minor Medical Emergency (cuts, scrapes, etc.) 3 Kings Environmental, Inc., will escort the individual needing medical treatment to the Emergency Room at the nearest hospital.

E) Fire extinguishers will be placed on the exterior of all containments. All employees will be made aware of the exact location of these fire extinguishers. (During scheduled Safety Meetings).

F) In the event of a life-threatening Emergency inside of a negative Pressure enclosure the individual in need of medical treatment will be immediately escorted out of the enclosure. Based on the nature of the emergency the individual will be removed from the enclosure without decontaminating.

G) All exits from the Negative Pressure enclosure will be marked with red spray paint on the interior of the enclosure.

H) All visitors to the job site will be directed to the front of the residence. All visitors to the job site will be required to sign in and sign out. No visitor will be allowed on the job site unless he/she is wearing the appropriate safety equipment for the area in which they are visiting. The Supervisor will be required at the end of the shift to check the visitors sign in/out sheet, to verify that all visitors have safely exited the building.

I) Please refer to our Health and Safety Plan, as well as our Hazard Communication Plan which details how all Safety concerns, will be dealt with to ensure that all 3 Kings Environmental, Inc. employees, and the general public's safety will be maintained.

TAB 13 - SDS

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Aftershock® Fungicidal Coating No. 8390 White
Recommended Use of Product: Mold Remediation Coating
EPA Registration Number: 73884-1

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements
Hazard Statements:
Harmful if inhaled.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.

GHS Classifications
This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute Toxicity-Inhalation (Vapors) Category 4
Acute Toxicity-Inhalation (Dust-mists) Category
Serious eye damage/eye irritation – Category 2
Skin sensitization – Category 1
Carcinogenicity – Category 2

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.
Response: If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.
Storage: Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.
Disposal: The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.
Hazards Not Otherwise Classified (NHOC): Not applicable
Unknown Toxicity: Over 70% of the mixture consists of ingredients of unknown toxicity.
Other Information: Toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %*
*Titanium dioxide	13463-67-7	10-30
Propylene glycol	57-55-6	3-7
Chlorothalonil	1897-45-6	0.1-1
Methylchloroisothiazolinone	26172-55-4	0.1-1

***The exact concentration of composition has been withheld as a trade secret.**

SECTION 4: FIRST AID MEASURES

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact
Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

Inhalation
Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

Ingestion
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-Protection of the First Aider
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. May cause sensitization of susceptible persons.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Product is/or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code
Sensitizer: Liquid Toxic: Liquid

Hazardous Combustion Products: Carbon oxides

Explosion Data
Sensitivity to mechanical impact No.
Sensitivity to static impact No.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

Other Information: Refer to protective measures listed in Sections 7 & 8.

Environmental Precautions

Environmental Precautions: Refer to protective measures listed in Sections 7 & 8.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Products: None known based on information supplied

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	*ACGIH TLV*	*OSHA PEL*	*NIOSH IDLH*
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters

Appropriate Engineering Controls

Engineering Measures: Showers / Eyewash Stations / Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

Skin and body Protection: Wear protective gloves and protective clothing

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid	**Odor:**	Very Slight
Appearance:	White	**Odor Threshold:**	No information available
Color:	No information available		

Property	**Values**	**Remarks/Method**
pH	8.5	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle size	No data available
Particle size distribution	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available

Conditions to Avoid
Excessive heat

Chemical Stability
Stable under recommended storage conditions

Incompatible Materials
None known based on information supplied

Possibility of Hazardous Reactions
None under normal processing

Hazardous Decomposition Products
Carbon oxides

Hazardous Polymerization
Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	
Chlorothalonil 1897-45-6		> 10 g/kg (Rabbit)	= 310 mg/m3 (Rat) 1 h
Methylchloroisothiazolinone 26172-55-4	= 481 mg/kg (Rat)	> 1008 mg/kg (Rat)	= 1.23 mg/L (Rat) 4 h

Information on Toxicological Effects

Symptoms: May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	*ACGIH*	*IARC*	*NTP*	*OSHA*
Titanium dioxide 13463-67-7		Group 2B		X
Chlorothalonil 1897-45-6		Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 – Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B – Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X-Present

Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure: No information available

Chronic Toxicity: Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

Aspiration Hazard: No information available

Numerical Measures of Toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
8,711.00 mg/kg
ATEmix (dermal)
21,608.00 mg/kg (ATE)
ATEmix (inhalation-gas)
3,118.00 ppm (4hr)
ATEmix (inhalation-dust/mist)
2.41 mg/l
ATEmix (inhalation-vapor)
16.00 ATEmix

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects

Chemical Name	*Toxicity to Algae*	*Toxicity to Fish*	*Toxicity to Microorganisms*	*Daphnia Magna (Water Flea)*
Propylene Glycol 57-55-6	96h EC50: = mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41-47 mL/L		24h EC50: > 10000 mg/L 48h EC50: > 1000 mg/L

		(Oncorhynchus mykiss) 96h LC50: 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)		
Chlorothalonil 1897-45-6	72h EC50: = 0.57 mg/L (Desmodesmus Subspicatus) 72h EC50: = 0.0068 mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 0.012 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0076 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0221-0.032 mg/L (Lepomis macrochirus) 96h LC50: 0.045-0.057 mg/L (Lepomis macrochirus)		48h EC50: 0.0342-0.143 mg/L
Methylchloroisothiazolinone 26172-55-4	72h EC50: 0.11-0.16mg/L (Pseudokirchneriella Subcapitata) 96h EC50: 0.03-0.13 mg/L (Pseudokirchneriella subcapitata) 120h EC50: = 0.31 mg/L (Anabaena Flos-aquae)	96h LC50: = 1.6 mg/L (Oncorhynchus mykiss)	EC50 = 5.7 mg/L 16h	48th EC50: = 4.71 mg/L 48h EC50: 0.12-0.3 mg/L 48h EC50: 0.71-0.99 mg/L

Persistence and Degradability: No information available

Bioaccumulation

Chemical Name	***Log Pow***
Chlorothalonil 1897-45-6	2.9
Methylchloroisothiazolinone 26172-55-4	-0.71-0.75

Other Adverse Effects: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations

California Hazardous Waste Codes: 331

SECTION 14: TRANSPORT INFORMATION

DOT	Not Regulated
Proper Shipping Name	Non-Regulated
Hazard Class	N/A
TDG	
Un-No.	UN3082

Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

IATA

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III

IMDG/IMO

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
EmS No.	F-A, S-F
Marine Pollutant Description	Product is a marine pollutant according to the criteria set by IMDG/IMO UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	*CAS No.*	*Weight - %*	*SARA 313 – Threshold Values %*
Chlorothalonil	1897-45-6	0.1-1	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	*California Proposition 65*
Titanium dioxide – 13463-67-7	Carcinogen
Chlorothalonil – 1897-45-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	*New Jersey*	*Massachusetts*	*Pennsylvania*	*Rhode Island*	*Illinois*
Titanium dioxide – 13463-67-4	X	X	X		
Propylene Glycol – 57-55-6	X		X		
Chlorothalonil – 1897-45-6	X	X	X	X	

International Regulations
Canada
WHMIS Hazard Class
D2A – Very toxic materials
D2B – Toxic materials

SECTION 16: OTHER INFORMATION

EPA Registration Number: 73884-1
EPA Est. Number: 73884-MA-1

NFPA	Health Hazards 2	Flammability 0	Instability 0	Physical and Chemical Hazards Personal Protection
HMIS	Health Hazards 2*	Flammability 0	Physical Hazard 0	X

Chromic Hazard Star Legend * = Chronic Health Hazard

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet

mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

SAFETY DATA SHEET

1. IDENTIFICATION AND GENERAL INFORMATION

P/N#: **Allegro 70% IPA Hygienic Wipe (1001, 1001-05, 1001-10)**

Nomenclature: **Personal Respirator Cleaning Pad**

Recommended Use of the Chemical & Restrictions on Use:

Uses: Personal protective equipment cleaner. Respirator cleaner.

Company Name: Allegro Industries

Address: 1360 Shiloh Church Rd
Piedmont, SC 29673
864-846-8740
Chemtrac: 800-424-9300

2. HAZARDS IDENTIFICATION

Appearance: White solid

Physical State: Solid containing liquid Moist paper

Odor: Mild alcohol odor

Classification:

The information below is for the liquid in industrial quantities when used in an industrial setting. The solution as packed in a consumer quantity is considered a consumer good and when used as intended is unlikely to present a hazard

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

Signal Word: Danger

Hazard Statements:

May cause respiratory irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapor.

Precautionary Statements - Prevention:

Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IN CASE OF FIRE: Use CO_2, dry chemical, or foam for extinction

Precautionary Statements - Storage:

Store in a well-ventilated place. Keep container tightly closed
Keep cool

Precautionary Statements - Disposal:

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION

Chemical Name	CAS No	Weight-%
Isopropyl Alcohol	67-63-0	60-75

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.

Skin Contact: Wash with soap and water. If irritation persists or an allergic reaction occurs, call a physician.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. If symptoms persist, call a physician.

Ingestion: Drink plenty of water. Never give anything by mouth to a person who is unconscious or convulsing. Consult a physician.

Most important symptoms and effects:

Symptoms: Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause central nervous system effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Indication of any immediate medical attention and special treatment needed:

Notes to Physician: Chronic exposure may aggravate pre-existing skin conditions, impaired liver, kidney or pulmonary function.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media:

Not determined.

Specific Hazards Arising from the Chemical:

Flammable material.

Hazardous Combustion Products:

Carbon Oxides

Sensitivity to Mechanical Impact:

Not sensitive

Sensitivity to Static Discharge:

Yes

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions: Use personal protective equipment as required. Avoid contact with eyes and skin. Remove all sources of ignition.

Methods and material for containment and cleaning up:

Methods for Containment: Extinguish all sources of ignition and ventilate area. Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up: Use personal protective equipment as required. Soak up with absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling:

Advice on Safe Handling: Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Keep cool. Avoid contact with skin, eyes or clothing. Keep out of the reach of children. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. P210 - Keep away from open flames/hot surfaces. - No smoking. Keep out of reach of children. Keep away from animals.

Incompatible Materials: Strong oxidizing agents. Acids. Avoid contact with Aluminum, Zinc and other reactive metals.

8. EXPOSURE CONTROLS

Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3

Appropriate engineering controls:

Engineering Controls: Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment:

Eye/Face Protection: Wear eye/face protection.

Skin and Body Protection: Protective gloves.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: When using do not eat, drink or smoke. Remove and wash contaminated clothing before reuse. Provide regular cleaning of equipment, work areas and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid containing liquid Moist paper

Appearance: White solid

Color: White

Odor: Mild alcohol odor

Odor Threshold: No information available

pH: No information available

Melting Point/Freezing Point: No information available

Boiling Point/Boiling Range: No information available

Flash Point: 12 °C / 54 °F

Evaporation Rate: No information available

Flammability (Solid, Gas): Not determined

Upper Flammability Limits: No information available

Lower Flammability Limit: No information available

Vapor Pressure: No information available

Vapor Density: No information available

Specific Gravity: No information available

Water Solubility: No information available

Solubility in other solvents: No information available

Partition Coefficient:	Not determined
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Kinematic Viscosity:	Not determined
Dynamic Viscosity:	Not determined
Explosive Properties:	Not determined
Oxidizing Properties:	Not determined
VOC Content:	No information available

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Hazardous Polymerization:	Hazardous polymerization does not occur.
Conditions to Avoid:	Incompatible Materials. Heat, flames and sparks.
Incompatible Materials:	Strong oxidizing agents. Acids. Avoid contact with Aluminum, Zinc and other reactive metals.
Hazardous Decomposition Products:	Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information:	May be harmful by inhalation, ingestion, or skin absorption
Eye Contact:	Causes serious eye irritation.
Skin Contact:	May cause mild skin irritation.
Inhalation:	May cause respiratory irritation. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.
Ingestion:	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects:

Symptoms: Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Serious eye damage/eye Irritation: Causes serious eye irritation.

Carcinogenicity: Isopropyl Alcohol (IPA) is an IARC Monograph Group 3 chemical. IPA is a Group 1 when manufactured by the strong-acid process.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0		Group 3		X

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

STOT - single exposure:	May cause respiratory irritation. May cause drowsiness or dizziness.
Chronic Toxicity:	May cause skin effects.
Numerical measures of toxicity:	Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated.

Component Information:

Chemical Name	Algae/aquatic plants	Fish	Toxicity to micro-organisms	Crustacea
Isopropyl Alcohol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50		13299: 48 h Daphnia magna mg/L EC50

Persistence/Degradability: Not determined

Bioaccumulation: Not determined

Mobility:

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05

Other Adverse Effects: Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods:

Disposal of Wastes: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status:

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT: Not regulated

IATA: Not regulated

IMDG: Not regulated

15. REGULATORY INFORMATION

International Inventories:

TSCA:	Complies
DSL:	Does not comply
NDSL:	Does not comply
EINECS:	Does not comply
ELINCS:	Does not comply
ENCS:	Does not comply
IECSC:	Does not comply
KECL:	Does not comply
PICCS:	Does not comply
AICS:	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations:

CERCLA:

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories:

Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes
Fire Hazard:	Yes
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol - 67-63-0	67-63-0	65-75	1.0

US State Regulations:

U.S. State Right-to-Know Regulations:

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropyl Alcohol 67-63-0	X	X	X

16. OTHER INFORMATION

SAFETY DATA SHEET

NFPA		HMIS	
Health Hazards:	1	**Health Hazards:**	1
Flammability:	3	**Flammability:**	3
Instability:	Not determined	**Physical Hazards:**	0
Special Hazards:	Not determined	**Personal Protection:**	B- Safety Glasses, Gloves

Revised August 29, 2016 **Rev. I**

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SAFETY DATA SHEET **TRADE NAME: CHEMSAFE 100C**

ISSUE DATE: 1/15/2007 REVISION DATE: 4/15/2015

1. PRODUCT AND COMPANY IDENTIFICATION

GHS PRODUCT IDENTIFIER:
TRADE NAME; CHEMSAFE 100C (CARB COMPLIANT)

OTHER MEANS OF IDENTIFICATION:

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

RECOMMENDED USE: Mastic Removal

SUPPLIER'S DETAILS:

1480 GRANDVIEW AVE.
THOROFARE, NJ 08086
(800)767-6933

EMERGENCY PHONE NUMBER:

COMPANY PHONE NUMBER: (800)767-6933
(24HR) EMERGENCY NUMBER: CHEM-TREC (800)424-9300

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION:

GHS CLASSIFICATION SCALE: (1=SEVERE HAZARD, 4=SLIGHT HAZARD)

PHYSICAL HAZARDS:

FLAMMABLE LIQUIDS	CATEGORY 4

HEALTH HAZARDS:

ASPIRATION HAZARD	CATEGORY 1
ACUTE TOXICITY- INHALATION (VAPORS)	CATEGORY 3
ACUTE TOXICITY-ORAL	CATEGORY 4
SERIOUS EYE DAMAGE IRRITATION	CATEGORY 2A
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY-SINGLE EXPOSURE, CENTRAL NERVOUS SYSTEM (DIZZINESS)	CATEGORY 3

LABEL ELEMENTS:

SIGNAL WORD: DANGER

HAZARD STATEMENTS:
Combustible liquid
Toxic if inhaled
Harmful if swallowed
Causes serious eye irritation
May be fatal if swallowed and enters airways
May cause drowsiness or dizziness

HAZARD SYMBOLS:

PRECAUTIONARY STATEMENTS:
Keep out of reach of children
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Keep cool
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands, face and all exposed skin areas after handling.
Do not eat, drink, or smoke when using this product.
Use only outdoors or in a well ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection

PRECAUTIONARY STATEMENTS (RESPONSE):
IF SWALLOWED: Immediately call a poison center or doctor or physician. Do not induce vomiting. Rinse mouth.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor or physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

IN CASE OF FIRE: Use dry chemical, co2 or foam to extinguish

PRECAUTIONARY STATEMENTS (STORAGE):
Store in a well ventilated place, keep container tightly closed. Keep cool. Store locked up.

PRECAUTIONARY STATEMENTS (DISPOSAL):
Dispose of contents/container to an approved waste disposal plant in accordance with applicable local/regional/national and international regulations and product characteristics at time of disposal.

OTHER HAZARDS:
Repeated or prolonged exposure can cause skin dryness or cracking.

3. COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENT IDENTITY	CAS NUMBER	PERCENTAGE
DISTILLATES, PETROLEUM HYDROTREATED, LIGHT	64742-47-8	PROPRIETARY
2-BUTOXYETHANOL	111-76-2	PROPRIETARY

REMAINING INGREDIENTS ARE NOT REPORTABLE UNDER OSHA/SDS GUIDELINES. THE EXACT PERCENTAGES OF SOME INGREDIENTS HAVE BEEN WITHELD AS (CBI) CONFIDENTIAL BUSINESS INFORMATION TRADE SECRET.

4. FIRST AID MEASURES

INGESTION: If swallowed, call a poison control center immediately. Wash out mouth with water. Do not induce vomiting; this product is an aspiration hazard. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lung. Never give anything by mouth to an unconscious person.

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and plenty of water. Wash contaminated clothing before reuse. If irritation occurs get medical advice.

INHALATION: Move individual away from exposure and into fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

EYE CONTACT: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing. If eye irritation persists, get medical attention/advice.

Most Important Symptoms and Effects, Acute and Delayed

INGESTION: Symptoms may include diarrhea, gastric pain, and vomiting.
SKIN CONTACT: Symptoms may include redness, dryness and cracking of skin.
INHALATION: Symptoms may include irritation of respiratory tract and/or CNS symptoms such as dizziness,
confusion, drowsiness or fatigue.
EYE CONTACT: Symptoms may include stinging, tearing, redness and blurred vision.

Indication of immediate medical attention and special treatment needed, if necessary.
Treat Symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use fire extinguishers rated for class B fires. CO2, Foam.
Unsuitable extinguishing media- Do not use water jet. If water is used utilize fog nozzle or apparatus.

Specific hazards arising from the chemical: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products: carbon monoxide and CO2

Special protective actions for fire-fighters: Keep product containers and surrounding areas cool with water spray. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No Flares, smoking or flames in hazard

area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of information in section 8 for further information. See also information in non-emergency personnel above.

Environmental precautions: Avoid dispersal of spilled material with soil, waterways, drains and sewers. See section 12 for additional ecological information.

Methods and materials for containment and cleaning up.

Small spill: Stop leak if without risk. Move containers from the spill area. Use spark proof tools and equipment. Absorb with an inert dry non combustible material such as diatomaceous earth or vermiculite and place in an appropriate waste disposal container. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

Large spill: Stop leak if without risk. Move containers from spill area. Use spark proof tools and equipment. Prevent entry into sewers, drains, water courses and confined areas. Wash spillages into an effluent treatment plant or absorb with an inert dry non combustible material such as diatomaceous earth or vermiculite and place in a appropriate waste disposal containers. Mop any remaining residues with soap and water and dispose of wastes via a licensed waste disposal contractor according to federal, state and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Safe Handling Advice: Utilize appropriate personal protective equipment when handling product. Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mists. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container and tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. No smoking. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection and face protection during use. Groundbond container and receiving equipment during transfer. Do not flame cut, braize or weld emptied containers as they contain product residues and all precautions within this sds still apply and should be followed.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional hygiene information.

Conditions for safe storage including any incompatibilities:

Store in original container in a dry, cool and well ventilated area away from strong oxidizing agents (see section 10) and food and drink. Store locked up. Eliminate all ignition sources. Keep container tightly closed when not in use. Do not store in unlabeled containers.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

Ingredient Identity	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-butoxyethanol 111-76-2	TWA 20ppm	TWA 50ppm TWA 240mg/m3	IDLH 700ppm
Distillates, Petroleum Hydrotreated, Light 64742-47-8	TWA: skin absorption 200mg/m3 (as total hydrocarbon vapor) 8 hours		

Appropriate Engineering Controls

Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants and air concentrations below occupational exposure standards. Use spark proof ventilation equipment.

Individual protection measures, such as personal protective equipment. (PPE)

Eye/Face Protection: Wear approved safety goggles with side shields

Skin & Body Protection: Wear chemical resistant, impervious gloves at all times when handling chemical products. A chemical resistant apron is also recommended. Check during use that gloves and aprons are still retaining their impervious properties, as the time for breakthrough can change from different manufacturers and chemical mixtures can not always be accurately measured. Appropriate footwear and suitable protective clothing should be worn for the degree and risk of exposure.

Respiratory Protection: If workplace exposure limits of product or any component is exceeded, utilize proper respiratory protection program guidelines (see OSHA 1910.134 and American National Standard ANSI Z88.2) Use a properly fitted NIOSH/MSHA air-purifying or air-fed respirator in compliance with the above mentioned standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: blue liquid
Odor: mild to light solvent
Odor threshold: not available
pH: not applicable
Melting Point/Freezing Point: -56F
Initial Boiling Point/Range: 344F-473F
Flash Pt: 158F lowest ingredient, does not sustain combustion
Evaporation Rate: <1 (butyl acetate=1)
Lower explosive limits: .6%Aliphatic Solvent
Upper explosive limits: 7.0%Aliphatic Solvent
Vapor Pressure: . meets CARB guidelines
Vapor Density: 4.5-5 (air=1)
Relative Density: .83
Solubility in water: Emulsifies
Partition coefficient: not applicable
Auto ignition temp: >428F
Decomposition Temp: not available
Viscosity: not applicable

10. STABILITY AND REACTIVITY

Reactivity: Stable in normal ambient temperature and pressure

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: not under normal conditions of storage and use.

Conditions to Avoid: Avoid all possible sources of ignition. Do not pressurize, cut weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatible Materials: Oxidizing materials

Hazardous Decomposition Products: Carbon monoxide and Carbon Dioxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity: classified, oral toxicity category 4, inhalation toxicity category 3

Distillates Petroleum Hydrotreated, Light 64742-47-8	**Inhalation LC50**	**6.8mg/l no end pt, no effects**
	Oral LD50	**>5000mg/kg rat**
2-butoxyethanol 111-76-2		
	Oral LD50	**1414mg/kg guinea pig**
	Inhalation LC50	**3.1mg/l guinea pig >641ppm**

Skin corrosion irritation: Not classified,

Serious Eye damage: classified, category 2, Causes serious eye irritation, 2-butoxyethanol 111-76-2

Sensitization: Not classified

Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not Classified

Teratogenicity: Not Available

Specific target Organ Toxicity (single exposure):

Name	category	route of exposure	target organs
2-butoxyethanol 111-76-2,	**3,**	**inhalation**	**nervous system, drowsiness or dizziness**

Specific target Organ Toxicity (repeated exposure)
Not Available

Aspiration Hazard:
Distillate petroleum hydrotreated, light 64742-47-8 , Aspiration Hazard Category 1

Information on the likely routes of exposure:
Ingestion: May be harmful if swallowed. May be fatal if swallowed and enters airways.
Inhalation: Toxic if inhaled
Skin: Causes skin irritation.
Eye: Causes serious eye irritation

Symptoms related to the physical, chemical and toxicological characteristics
Ingestion: See section iv, most important symptoms and effects, acute and delayed.
Inhalation: See section iv, most important symptoms and effects, acute and delayed.
Skin: See section iv, most important symptoms and effects, acute and delayed.
Eye: See section iv, most important symptoms and effects, acute and delayed.

Delayed and immediate effects and also chronic effects from short and long term exposure.

General: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis
Carcinogenicity: no known significant effects or critical hazards. Not classifiable.

Numerical measures of Toxicity
Not Available

12. ECOLOGICAL INFORMATION

Toxicity:

Ingredient name	Result	Species	Exposure
Aliphatic Solvent, Chronic NOEL	0.48 mg/l	Daphnia	21 days

Persistence and degradability:
Distillate Petroleum: Biodegradability-inherent
Hydrotreated
2-butoxyethanol: 90.4% readily biodegradable after 28 days.
Bioaccumulation Potential:

2-butoxyethanol: BCF 3.16, This material is not expected to bioaccumulate

Mobility in Soil:
2-butoxyethanol: low adsorption to soil particulates predicted

Other adverse Effects:
No known significant effects or critical hazards

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT:
This product is NOT REGULATED if packaged under 119 gallons per container by DOT when shipping in North America.
UN ID # NA1993
SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES)
HAZARD CLASS: 3
PACKING GROUP: III
RQ N/A
PLACARDING: PLACARDING EXEMPTION 173.150F

IATA: NOT REGULATED

IMDG: NOT REGULATED

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All ingredients are listed or exempted with TSCA.

SARA 302/304: no products were found.
SARA 311/312: fire hazard

Ingredient	%	FIRE HAZARD	PRESSURE RELEASE	REACTIVE	IMMEDIATE ACUTE	DELAYED CHRONIC
Distillate Petroleum, Hydrotreated	80-95	YES	NO	NO	NO	NO
2butoxyethanol 111-76-2	PROPRIETARY	YES			YES	YES

SARA 313
2-butoxyethanol 111-76-2 PROPRIETARY, REPORTING THRESHOLD-1%

STATE REGULATIONS:

Ingredient	New York	New Jersey	Massachusetts	Pennsylvania
Distillate Petroleum Hydrotreated. 64742-47-8	No	No	No	No
2-butoxyethanol 111-76-2	No	Yes	Yes	yes

California Prop 65: none known

16. OTHER INFORMATION

HMIS RATING: HEALTH (1) FIRE (2) REACTIVITY (0)
4=EXTREME, 3=HIGH, 2=MODERATE, 1=SLIGHT, 0=INSIGNIFICANT

NOTICE TO READER:
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. The information on this sds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Users are advised to confirm in advance of need, that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the sds. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Fiberset PM No. 7470 White, No. 7475 Clear & No. 7480 Blue
Recommended Use of Product: Post-Removal Surface Sealant

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies
150 Dascomb Road
Andover, MA 01810
P: 978-623-9980 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements
Hazard Statements:
Harmful if inhaled.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.

GHS Classifications
This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute Toxicity-Inhalation (Vapors) Category 4
Acute Toxicity-Inhalation (Dust-mists) Category 2
Serious eye damage/eye irritation – Category 2
Skin sensitization – Category 1
Carcinogenicity – Category 2

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.

Response: If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.
Storage: Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.
Disposal: The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.
Hazards Not Otherwise Classified (NHOC): Not applicable
Unknown Toxicity: Over 70% of the mixture consists of ingredients of unknown toxicity.
Other Information: Toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %**
Titanium dioxide	13463-67-7	10-30
Propylene glycol	57-55-6	3-7
*Chlorothalonil	1897-45-6	0.1-1
Polyethylene glycol branched nonylphenyl either	68412-54-4	0.1-1
***Pathalocyanine blue	Proprietary	<.50

***Not in PM Cleartone Base #7475 or in Blue #7480**
****The exact concentration of composition has been withheld as a trade secret.**
***** Only in 7480 Blue**

SECTION 4: FIRST AID MEASURES

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact
Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

Inhalation
Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

Ingestion
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-Protection of the First Aider
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. May cause sensitization of susceptible persons.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Product is/or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code
Sensitizer: Liquid Toxic: Liquid

Hazardous Combustion Products: Carbon oxides

Explosion Data
Sensitivity to mechanical impact No.
Sensitivity to static impact No.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

Other Information: Refer to protective measures listed in Sections 7 & 8.

Environmental Precautions

Environmental Precautions: Refer to protective measures listed in Sections 7 & 8.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so

Methods for Cleaning Up: Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Products: None known based on information supplied

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	*ACGIH TLV*	*OSHA PEL*	*NIOSH IDLH*
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters

Appropriate Engineering Controls

Engineering Measures: Showers / Eyewash Stations / Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

Skin and body Protection: Wear protective gloves and protective clothing

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid	**Odor:**	Very Slight
Appearance:	White	**Odor Threshold:**	No information available
Color:	No information available		

Property	**Values**	**Remarks/Method**
pH	8.5	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle size	No data available
Particle size distribution	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available

Conditions to Avoid
Excessive heat

Chemical Stability
Stable under recommended storage conditions

Incompatible Materials
None known based on information supplied

Possibility of Hazardous Reactions
None under normal processing

Hazardous Decomposition Products
Carbon oxides

Hazardous Polymerization
Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	
Chlorothalonil 1897-45-6		> 10 g/kg (Rabbit)	= 310 mg/m3 (Rat) 1 h
Polyethylene glycol branched Nonylphenyl either 68412-54-4		= 1780 µL/kg (Rabbit)	

Information on Toxicological Effects

Symptoms: May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	*ACGIH*	*IARC*	*NTP*	*OSHA*
Titanium dioxide 13463-67-7		Group 2B		X
Chlorothalonil 1897-45-6		Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 – Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B – Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X-Present

Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure: No information available

Chronic Toxicity: Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

Aspiration Hazard: No information available

Numerical Measures of Toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
8,711.00 mg/kg
ATEmix (dermal)
21,608.00 mg/kg (ATE)
ATEmix (inhalation-gas)
3,118.00 ppm (4hr)
ATEmix (inhalation-dust/mist)
2.41 mg/l
ATEmix (inhalation-vapor)
16.00 ATEmix

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects

Chemical Name	*Toxicity to Algae*	*Toxicity to Fish*	*Toxicity to Microorganisms*	*Daphnia Magna (Water Flea)*
Propylene Glycol 57-55-6	96h EC50: = mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41-47 mL/L (Oncorhynchus mykiss) 96h LC50: 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)		24h EC50: > 10000 mg/L 48h EC50: > 1000 mg/L
Chlorothalonil 1897-45-6	72h EC50: = 0.57 mg/L (Desmodesmus Subspicatus) 72h EC50: = 0.0068 mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 0.012 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0076 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0221-0.032 mg/L (Lepomis macrochirus) 96h LC50: 0.045-0.057 mg/L (Lepomis macrochirus)		48h EC50: 0.0342-0.143 mg/L

Persistence and Degradability: No information available

Bioaccumulation

Chemical Name	*Log Pow*
Chlorothalonil 1897-45-6	2.9
Methylchloroisothiazolinone 26172-55-4	-0.71-0.75

Other Adverse Effects: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations

California Hazardous Waste Codes: 331

SECTION 14: TRANSPORT INFORMATION

DOT	Not Regulated
Proper Shipping Name	Non-Regulated
Hazard Class	N/A

TDG

Un-No.	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

IATA

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III

IMDG/IMO

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
EmS No.	F-A, S-F
Marine Pollutant Description	Product is a marine pollutant according to the criteria set by IMDG/IMO UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	*CAS No.*	*Weight - %*	*SARA 313 – Threshold Values %*
Chlorothalonil	1897-45-6	0.1-1	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes

Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:

Chemical Name	*California Proposition 65*
Titanium dioxide – 13463-67-7	Carcinogen
Chlorothalonil – 1897-45-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	*New Jersey*	*Massachusetts*	*Pennsylvania*	*Rhode Island*	*Illinois*
Titanium dioxide – 13463-67-4	X	X	X		
Propylene Glycol – 57-55-6	X		X		
Chlorothalonil – 1897-45-6	X	X	X	X	

International Regulations
Canada
WHMIS Hazard Class
D2A – Very toxic materials
D2B – Toxic materials

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Special Hazard
HMIS	Health Hazards 2*	Flammability 0	Physical Hazard 0	Personal Protection X

Chromic Hazard Star Legend * = Chronic Health Hazard

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

H.B. Fuller CONSTRUCTION PRODUCTS

FOSTER 32-61
802291PM

Print Date: 05-01-2015

SAFETY DATA SHEET

REVISION DATE: 10-01-2014 SUPERSEDES: 08-16-2012

SECTION 1: IDENTIFICATION OF THE PRODUCT AND SUPPLIER

PRODUCT INFORMATION

PRODUCT:	FOSTER 32-61
PRODUCT DESCRIPTION:	Lockdown
INTENDED USE:	Adhesive
PRODUCT IDENTIFIER:	802291PM

COMPANY INFORMATION

H.B. Fuller Construction Products Inc.
1105 S. Frontenac Street
Aurora, IL 60504
Phone: 1-800-552-6225

Medical Emergency Phone Number (24 Hours): 1-888-853-1758
Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: This product is not classified as hazardous under GHS criteria.

GHS Precautions:

First Aid Measures: IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. IF IN EYES: Use an eye wash to remove chemical from the eye. IF ON SKIN: Wash with soap and water. IF INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT	Classification	Note

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

SECTION 4: FIRST AID MEASURES

IF IN EYES: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, foam, dry chemical or carbon dioxide.

H.B. Fuller CONSTRUCTION PRODUCTS

FOSTER 32-61
802291PM

Print Date: 05-01-2015

SAFETY DATA SHEET

UNUSUAL FIRE AND EXPLOSION HAZARDS:	There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS.
METHODS FOR CLEAN-UP:	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling:	No special handling instructions due to toxicity. This product contains an ingredient that may release formaldehyde when in contact with strong acids.
Storage:	Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

Chemical Name	Note	ACGIH EXPOSURE LIMITS	OSHA PEL
No data available.			

ENGINEERING CONTROL METHODS:

VENTILATION:	No exposure limits exist for the constituents of this product. No engineering controls are likely to be required to maintain operator comfort under normal conditions of use.
EYE PROTECTION:	Wear safety glasses when handling this product.
SKIN PROTECTION:	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
GLOVES:	Not normally required. Use nitrile gloves if conditions warrant.
RESPIRATORY PROTECTION:	No respiratory protection required under normal conditions of use. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid

H.B. Fuller CONSTRUCTION PRODUCTS

FOSTER 32-61
802291PM

Print Date: 05-01-2015

SAFETY DATA SHEET

COLOR:	White
ODOR:	Mild Sweet
ODOR THRESHOLD:	Not established
pH:	Not established
FREEZING/MELTING POINT (deg. C):	Not established
BOILING POINT (deg. C):	Not established
FLASH POINT:	Non flammable
EVAPORATION RATE:	Not established
FLAMMABILITY:	Not a flammable solid or gas
UPPER EXPLOSIVE LIMIT (% in air):	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
WEIGHT PER GALLON (lbs.):	8.40
SPECIFIC GRAVITY:	1.010
SOLUBILITY:	Not established
OCTANOL/WATER COEFFICIENT:	Not established
AUTOIGNITION TEMPERATURE:	Not established
DECOMPOSITION TEMPERATURE:	Not established
VISCOSITY:	No data available.
SOLIDS (% by weight):	7.4
VOC, weight percent	0.96
VOC, U.S. EPA Method 24, less water and exempt solvents (theoretically determined)	10g/liter of material

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Component Toxicity / Toxicology Data:

COMPONENT NAME	LD50/LC50
No data available.	

This product is a mixture. Unless noted, the information below is based on components.

Skin corrosion / irritation: No irritation hazard in normal industrial use.

Serious eye damage / irritation :No irritation hazard in normal industrial use.

Respiratory / skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity-single exposure: No data available.

Respiratory irritation / Narcotic effects: No data available.

SAFETY DATA SHEET

Specific target organ toxicity-single exposure: No data available.

Target organs potentially affected by exposure: No organs known to be damaged from exposure to this product.

Aspiration hazard: No data available.

Medical Conditions Aggravated by Exposure: No medical conditions affected by exposure.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW:	No ecological information available for this product.
MOBILITY:	No data available.
PERSISTENCE:	No data available.
BIOACCUMULATION:	No data available.

This product has not been tested for ecological effects. Relevant information for components is listed below:

Component:	Ecotoxicity values:
No data available.	**Acute Toxicity (Fish):** **Acute Toxicity (Daphnia):** **Acute Toxicity (Algae):**

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORT INFORMATION

Consult Bill of Lading for transportation information.

US DOT:	NOT REGULATED
IATA:	NOT REGULATED

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA:	This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
CANADIAN CEPA DSL:	The components of this product are included on the DSL or are exempt from DSL requirements.
EUROPEAN REACH:	As a result of the introduction of REACH into Europe, this product cannot be imported into Europe unless the REACH requirements are met.
AUSTRALIA AICS:	This product is in compliance with the Australian Inventory of Chemical Substances requirements.

If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at reg.request@hbfuller.com to request an export review.

FEDERAL REPORTING

SAFETY DATA SHEET

EPA SARA Title III Section 313
Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

STATE REPORTING
Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:
Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name/List		CAS	Percent
ISOBUTYL METHYL KETONE	(Carcinogen)	108-10-1	0.01 - 0.1
1,3-Butadiene	(Carcinogen)	106-99-0	0.01 - 0.1
Methanol	(Developmental toxin)	67-56-1	0.01 - 0.1
Methyl isobutyl ketone	(Developmental toxin)	108-10-1	0.01 - 0.1
1,3-Butadiene	(Developmental toxin)	106-99-0	0.01 - 0.1
1,3-Butadiene	(Female reproductive toxin)	106-99-0	0.01 - 0.1

Substances of Very High Concern (SVHC) Content:
Unless listed below, this product does not contain SVHC's.

SECTION 16: OTHER INFORMATION

SDS VERSION DATE: 10-01-2014

This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

HMIS RATING: HEALTH -- 0 FLAMMABILITY -- 0 REACTIVITY -- 0
See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to H.B.Fuller Construction Products, Inc. from its suppliers, and because H.B.Fuller Construction Products, Inc. has no control over the conditions of handling and use, H.B.Fuller Construction Products, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and H.B.Fuller Construction Products, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of H.B.Fuller Construction Products, Inc. products to comply with all applicable federal, state and local laws and regulations.

SAFETY DATA SHEET

Issue Date 27-Apr-2006 **Revision Date** 31-May-2013 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Control Low Odor Mastic Remover

Other Means of Identification
SDS # GI-006

UN/ID No NA1993
Product Code 19105

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Mastic remover.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Grayling Industries, Inc.
1008 Branch Drive
Alpharetta, GA 30004

Emergency Telephone Number
Company Phone Number 1-800-635-1551
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Inhalation (Vapors)	Category 3
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 4

Signal Word
DANGER

Hazard Statements
Toxic if inhaled
Causes skin irritation
Causes serious eye irritation
May be fatal if swallowed and enters airways
Combustible liquid

Appearance Water white liquid **Physical State** Liquid **Odor** Aromatic

Precautionary Statements - Prevention
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep cool

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)
May be harmful if swallowed
May be harmful in contact with skin

Other Hazards
Toxic to aquatic life with long lasting effects
Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Aliphatic Hydrocarbon Solvent	64742-88-7	Proprietary
2-Butoxyethanol	111-76-2	Proprietary
Naphtha (petroleum), heavy aromatic	64742-94-5	Proprietary
Ethoxylated Nonylphenol	9016-45-9	Proprietary

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Skin Contact Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation occurs.

Inhalation After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

Ingestion Do NOT induce vomiting. Have patient lie down and keep warm. Call a physician or poison control center immediately.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Skin contact can lead to drying, defatting, itching, stinging and irritation. May cause severe irritation with redness, pain, and blurred vision. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination. May cause nausea, vomiting, stomach ache, and diarrhea.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use fire extinguishers with class B extinguishing agents. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media Water spray may be ineffective. If water is used, fog nozzles are preferable.

Specific Hazards Arising from the Chemical

Cool surrounding equipment, fire-exposed containers, and structures with water.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2).

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required.

Other Information Keep unnecessary and unprotected personnel from entering.

Environmental Precautions See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment Stop the flow of material, if this is without risk. Dike and contain spill.

Methods for Cleaning Up Absorb spillage with non-combustible, absorbent material. Mop up and dispose of spilled material.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Avoid breathing vapors or mists. Use only with adequate ventilation. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Wash face, hands, and any exposed skin thoroughly after handling. Do not get in eyes, on skin, or on clothing. Avoid free fall of liquid. Ground/bond container and receiving equipment. Do not flame, cut, braze weld or melt empty containers. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store large amounts in structures made for OSHA Class IIIA liquids. Keep containers closed when not in use and upright to prevent leakage. Store locked up.

Incompatible Materials Strong oxidizing agents. Permanganates. Chromates. Peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m^3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m^3 (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m^3

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear approved safety goggles.

Skin and Body Protection Use impervious gloves. An apron or other impermeable body protection is suggested. Wear suitable protective clothing and footwear appropriate for the risk of exposure.

Respiratory Protection Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2).

General Hygiene Considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Take off all contaminated clothing and wash it before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid		
Appearance	Water white liquid	**Odor**	Aromatic
Color	Water white	**Odor Threshold**	Not determined

Property	Values	Remarks • Method
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	174-196 °C / 346-385 °F	
Flash Point	60 °C / 141 °F	Tag Closed Cup Lowest Component
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	0.9%	
Vapor Pressure	0.5 mm Hg	@20°C
Vapor Density	5.0	(Air=1)
Relative Density (Specific Gravity)	0.807	(1=Water) @ 68°F (20°C)
Water Solubility	Appreciable	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	260 °C / 500 °F	Lowest Component
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Additional Information	Refractive Index: 1.438	
	Mixed Aniline Point (Acid Insol): 63°C/147°F	
VOC Content (%)	99%	
VOC Content	796.1 g/L	
Density	6.719 lbs/gal	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Heat, flames and sparks.

Incompatible Materials
Strong oxidizing agents. Permanganates. Chromates. Peroxides.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO2).

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation. May be harmful in contact with skin.

Inhalation Toxic if inhaled.

Ingestion May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aliphatic Hydrocarbon Solvent 64742-88-7	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
2-Butoxyethanol 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h
Naphtha (petroleum), heavy aromatic 64742-94-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 590 mg/m^3 (Rat) 4 h
Ethoxylated Nonylphenol 9016-45-9	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Aspiration Hazard May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aliphatic Hydrocarbon Solvent 64742-88-7	450: 96 h Pseudokirchneriella subcapitata mg/L EC50	800: 96 h Pimephales promelas mg/L LC50 static		100: 48 h Daphnia magna mg/L EC50
2-Butoxyethanol 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50		1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Naphtha (petroleum), heavy aromatic 64742-94-5	2.5: 72 h Skeletonema costatum mg/L EC50	19: 96 h Pimephales promelas mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through 41: 96 h Pimephales promelas mg/L LC50		0.95: 48 h Daphnia magna mg/L EC50

Persistence and Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Chemical Name	Partition Coefficient
2-Butoxyethanol 111-76-2	0.81
Naphtha (petroleum), heavy aromatic 64742-94-5	2.9 - 6.1

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

DOT

UN/ID No	NA1993
Proper Shipping Name	Combustible liquid, n.o.s. (Petroleum distillates)
Hazard Class	Comb Liq
Packing Group	III

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed
EINECS	Listed
ENCS	Listed
KECL	Listed
AICS	Listed

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	Proprietary	1.0

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Aliphatic Hydrocarbon Solvent 64742-88-7	X		
2-Butoxyethanol 111-76-2	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	2	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	3	2	0	Not determined

Issue Date	27-Apr-2006
Revision Date	31-May-2013
Revision Note	New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

Issue Date 01-Mar-2010 **Revision Date** 31-May-2013 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Zero Odorless Mastic Remover

Other Means of Identification
SDS # GI-005

UN/ID No NA1993
Product Code 19185

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Mastic remover.

Details of the Supplier of the Safety Data Sheet
Supplier Address
Grayling Industries, Inc.
1008 Branch Drive
Alpharetta, GA 30004

Emergency Telephone Number
Company Phone Number 1-800-635-1551
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Serious Eye Damage/Eye Irritation	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 4

Signal Word
DANGER

Hazard Statements
Causes serious eye irritation
May be fatal if swallowed and enters airways
Combustible liquid

Appearance Clear liquid **Physical State** Liquid **Odor** Slight Solvent

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other Hazards
Very toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
1-Dodecene	112-41-4	Proprietary
Diethylene glycol monobutyl ether	112-34-5	Proprietary
Nonylphenol Ethoxylate	127087-87-0	Proprietary

4. FIRST AID MEASURES

First Aid Measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Skin Contact Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Inhalation Remove to fresh air. If symptoms persist, call a physician. If breathing is difficult, give oxygen. Keep patient warm and at rest. Get medical attention.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Do not leave victim unattended. Seek medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms May cause nausea, vomiting, stomach ache, and diarrhea. May cause irritation to the mucous membranes and upper respiratory tract. Overexposure by inhalation may cause CNS depression- drowsiness, dizziness, confusion or loss of coordination.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Medical conditions generally aggravated by exposure: Skin problems and lung diseases.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
AFFF. Carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
If product is heated above its flash point, it will produce vapors sufficient to support combustion. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite/explode. May form explosive peroxides.

Hazardous Combustion Products Carbon dioxide (CO2). Carbon monoxide. Hydrocarbons.

Sensitivity to Mechanical Impact Not impact sensitive.
Sensitivity to Static Discharge Not sensitive.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). For large spills, evacuate the hazard area of unprotected personnel.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. If run-off occurs, notify proper authorities, as required, that a spill has occurred. See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment For small spills, absorb liquid on vermiculite or other absorbent material. For large spills, stop spill at source.

Methods for Cleaning Up Transfer contaminated absorbent, soil, and other materials to containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use personal protection recommended in Section 8. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. Take precautionary measures against static discharges. Ground/bond container and receiving equipment. Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published flashpoint temperature value cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
Incompatible Materials	Oxidizing agents. Reducing agent. Strong acids. Strong bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines No exposure limits noted for ingredient(s) The following information is given as general guidance Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment

Appropriate Engineering Controls

Engineering Controls	Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection	Wear approved safety goggles.
Skin and Body Protection	Normal work clothing (long sleeved shirts and long pants) is recommended. Wear protective nitrile rubber gloves.
Respiratory Protection	Use NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure is not known, or any other circumstances where air purifying respirators may not provide adequate protection.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid		
Appearance	Clear liquid	**Odor**	Slight Solvent
Color	Clear	**Odor Threshold**	0.48 ppm

Property	**Values**	**Remarks • Method**
pH	Not applicable	
Melting Point/Freezing Point	< -46 °C / <-50 °F	
Boiling Point/Boiling Range	212.7-216.1 °C / 415.0-421.0 °F	
Flash Point	71.1-76.6 °C / 160.0-170.0 °F	Tag Closed Cup
Evaporation Rate	Slower than ethyl ether	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	24.6	
Lower Flammability Limit	0.4%	
Vapor Pressure	0.266 hPa	@ 20°C (68°F) (calculated)
Vapor Density	>1	(Air=1)
Relative Density (Specific Gravity)	6.600 lb/gal 0.793 kg/L	@ 25 °C (77 °F)
Water Solubility	Not determined	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not applicable	
Autoignition Temperature	>205 °C / >400 °F	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	

Property	Values	Remarks • Method
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Contact with incompatible materials.

Incompatible Materials
Oxidizing agents. Reducing agent. Strong acids. Strong bases.

Hazardous Decomposition Products
Aldehydes. Carbon dioxide (CO2). Carbon monoxide. Hydrocarbons. Ketones. Nitrogen oxides (NOx). Organic acids.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Avoid contact with skin.

Inhalation Avoid breathing vapors or mists.

Ingestion Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Dodecene 112-41-4	> 10000 mg/kg (Rat)	> 10000 mg/kg (Rat)	-
Diethylene glycol monobutyl ether 112-34-5	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Aspiration Hazard May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity
Very toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diethylene glycol monobutyl ether 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static		2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50

Persistence and Degradability
Not determined

Bioaccumulation
Not determined

Mobility
Not determined

Other Adverse Effects
Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. DOT Ground: Combustible liquids are not regulated in non-bulk shipments per 49 CFR 173.150(f)(2).

DOT
UN/ID No NA1993
Proper Shipping Name Combustible liquid, n.o.s. (1-Dodecene)
Hazard Class Comb Liq
Packing Group III

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed
ENCS	Listed
IECSC	Listed
KECL	Listed
PICCS	Listed
AICS	Listed

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

US Federal Regulations

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Diethylene glycol monobutyl ether - 112-34-5	112-34-5	10-15	1.0

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Diethylene glycol monobutyl ether 112-34-5	X		X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	2	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	Not determined	Not determined	Not determined	Not determined

Issue Date	01-Mar-2010
Revision Date	31-May-2013
Revision Note	New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SDS Date: June, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Lag-Kloth 5'x15' Blanket No. 6425, 5'x150' Roll No. 6426, 4"x150' Tape No. 6427
Recommended Use: Rewettable woven fiberglass product
Product Description: Inorganic filled woven rewettable fiberglass product

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements

Hazard Statements:
Causes mild skin irritation.
May cause respiratory irritation.
Suspected of causing cancer.

GHS Classifications

This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Hazards identified are based on hazards of the ingredients. The finished product has not been tested.
Skin irritation (Hazard Category 3)
Specific target organ toxicity, single exposure: Respiratory tract irritation (Hazard Category 3)
Carcinogenicity (Hazard Category 2)

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, and face protection. Avoid breathing fibers or dust. Use only outdoors or in a well-ventilated area. Keep containers tightly closed.

Response: If exposed or concerned: Get medical advice/attention. If inhaled: Remove victim to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell. If skin irritation occurs: Get medical advice/attention.
Storage: Store in a well-ventilated place. Store locked up. Keep container tightly closed.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
GHS Hazard and Precautionary Statement Codes: See Section 16.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Product Name: Fiberglass fabric
Synonyms: Fibrous glass

Component	CAS No.	Max. Weight, %*
Glass, oxide, chemicals	65997-17-3	55.0
Fibrous glass dust	Not assigned	Not assigned
Normal textile sizing	Not assigned	3.0
Bentonite	1302-78-9	30.0
Inorganic Clays and fillers	Not assigned	20.0
Crystalline Silica (as portion of bentonite)	14808-60-7	3.0
Inorganic dispersants	Not assigned	1.0
Organic materials and pigments	Not assigned	1.0

***The exact concentration of composition has been withheld as a trade secret.**

SECTION 4: FIRST AID MEASURES

Skin Contact: Flush with ample cool water followed by washing with mild soap to remove accumulated fibers.

Eye Contact: Flush with flowing water for 15 minutes – seek medical attention if necessary.

Inhalation: If processing dust is inhaled, move the person to fresh air.
Ingestion: Not likely to occur through normal use. Should ingestion occur, seek medical attention.

Most Important Symptoms/Effects: Suspected of causing cancer. Direct skin contact with fibrous glass or its dust may cause mechanical irritation and transitory dermatitis. Breathing of fibers or dust may cause mechanical irritation of the mouth, nose, and throat.

Indication of Immediate Medical Attention and Special Treatment Needed: Get medical attention if product comes into contact with skin or eyes, or if it is inhaled or ingested.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water, dry powder, or foam (needed for packaging only).

Hazardous Combustion Products: CO, CO2, and low molecular weight hydrocarbons.

Protective Equipment: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Fire Fighting Procedures/Precautions: Fiberglass itself will not support combustion, but in a sustained fire, proper protection against products of combustion from the fuel must be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: A release of this product is not expected to pose risks to workers under normal circumstances. If the material is involved in a fire, or if dusts are produced, no action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment.

Protective Equipment: Wear protective gloves/eye protection/skin protection.

Methods/Materials for Containment and Cleaning Up: Dust or loose fibers can be vacuumed or swept with the aid of a dust suppressant. Dispose of in accordance with all government regulations. Do not discharge into waterways or sewer systems without proper authority.

SECTION 7: HANDLING AND STORAGE

Precautions: This product should be handled under conditions of good industrial hygiene and in conformity with any local regulations to avoid unnecessary exposure. Use in a well-ventilated area. Do not breathe dust. Avoid contact with skin.

Storage: Store in a well-ventilated, dry location.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:

Component	*CAS*	*OSHA PEL*	*ACGIH TLV*
Fibrous dust*	None	5 mg/m^3	5 mg/m^3
Bentonite*	1302-78-9	15 mg/m^3 (total) 5 mg/m^3 (respirable)	None Established
Crystalline Silica as Quartz* (as portion of bentonite)	14808-60-7	10 mg/m^3 (respirable)	0.025 mg/m^3

*Dust may be produced during handling

Engineering Controls: Normal area ventilation is sufficient in most cases to keep dust and fiber levels below the TLV or PEL.

Personal Protection Measures/Equipment

Skin Protection: Barrier creams, gloves, and long sleeve loose fitting clothing may be required for certain workers who have sensitive skin or contact dermatitis. Work clothing should be laundered separately from other clothing before reuse.

Eye Protection: Not normally required, but as a good safety work practice, eye protection such as safety glasses/side shields or equivalent whenever use of the product releases airborne fibrous glass.

Respiratory Protection: If the use or manufacturing of this product generates dust concentrations above the exposure limit, use certified respirators.

Other Protection: Observe good personal hygiene.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Solid

Odor: Odorless

Odor Threshold: None

pH: None

Melting Point/Freezing Point: >800°C (>1472°F)

Initial Boiling Point: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability: Not applicable

Upper/Lower Flammability or Explosive Limits: Not applicable

Vapor Pressure: Not applicable

Vapor Density: Not applicable

Relative Density/Specific Gravity: 2.4 to 2.7 (Glass)

Solubility: Insoluble

Partition Coefficient: Not known

Auto-ignition Temperature: Not known

Decomposition Temperature: Not known

Volatility: Not known

Viscosity: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not self-reactive, water-reactive, or spontaneously combustible

Chemical Stability: This product is stable.

Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: When exposed to high temperatures, may produce hazardous decomposition products.

Incompatible Materials: Not known

Hazardous Decomposition Products: Fiberglass products may release small amounts of acetic acid and other organic materials at elevated temperatures.

Hazardous Polymerization: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Relevant Route of Exposure/Target Organs: Dermal, Inhalation

Symptoms: Suspected of causing cancer. Causes mild skin irritation. May cause irritation or the mouth, nose, and throat after inhalation exposure.

Delayed and Immediate Effects: Not known

Chronic Effects (Short and Long Term Exposure): Not known

Numerical Measures of Toxicity: No data available

Carcinogenicity: Crystalline silica is listed as a class 1 carcinogen by the IARC and is listed as a carcinogen according to the NTP.

Mutagenicity: No data available

Reproductive Toxicity: No data available

SECTION 12: ECOLOGICAL INFORMATION

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Do not discharge into waterways or sewer systems without proper authority. Dispose of in accordance with all government regulations.

SECTION 14: TRANSPORT INFORMATION

Not regulated as a hazardous material/dangerous good for transportation in all modes of transportation (US DOT, ICAO/IATA, IMO).

SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status: Exempt per section 8(a), 710.2(f), and 704.5(a)

SARA Title III Section 302: None

SARA Title III Section 304: None

SARA Title III Section 311/312 Hazard Categories: Immediate (acute), Delayed (chronic)

SARA TITLE III Section 313: This product does not contain components that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 (EPCRA or SARA Title III) and 40 CFR 372.

CERCLA RQ: Not listed

California Proposition 65: Crystalline silica is listed as a carcinogen. No airborne, unbound particles of respirable size are anticipated to be produced under anticipated normal use conditions. Caution should be used to prevent the generation of airborne particles.

Massachusetts Right-To-Know: Less than reportable quantity

New Jersey Right-To-Know: Less than reportable quantity

Pennsylvania Right-To-Know: Less than reportable quantity

Canada: All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the Canadian DSL.

Europe: All components of this product are included on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are not required to be listed on the EINECS.

China: All components of this product are included on the Chinese Inventory (IECSC) or are not required to be listed on the Chinese IECSC.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean ECL.

Philippines: All components of this product are included on the Philippine (PICCS) or are not required to be listed on the Philippine PICCS.

Australia: All components of this product are included on the Australian (AICS) or are not required to be listed on the Australian AICS.

SECTION 16: OTHER INFORMATION

Date of Preparation or Revision: 6/10/2015

This product is classified as a Skin Irritant Category 3, however OSHA does not include Category 3 substances in its hazard classification system.

Abbreviations

ACGIH/TLV	American Conference of Industrial Hygienists Threshold Limit Value
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR US	Code of Federal Regulations
CO	Carbon monoxide

CO2	Carbon dioxide
DOT	US Department of Transportation
EPCRA	Emergency Planning and Community Right to Know Act
GHS	UN Globally Harmonized System of Classification
HCS	Hazard Communication Standard
IARC	International Agency for Research on Cancer
ICAO/IATA	International Civil Aviation Organization/International Air Transport Association
IMO/IMDG	International Maritime Organization/International Maritime Dangerous Goods Code
NTP	National Toxicology Program
OSHA	US Occupational Safety Health Administration
PEL	Permissible exposure limit
RQ	Reportable quantity
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety data sheet
TSCA	Toxic Substances Control Act
UN	United Nations
US/USA	United States

While this company believes that the data contained herein are factual and the opinions expressed are based on tests and data believed to be reliable, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by this company as to the effects of such use, the results to be obtained, or the safety and toxicity of the product, nor does this company assume any liability arising out of use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or governmental regulations.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

SDS Date: May, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Lag-Kote II No. 6420 White
Recommended Use of Product: Asbestos Encapsulant

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 978-623-9987 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585
Poison Control Center (Medical): 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements
Hazard Statements:
Harmful if inhaled.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.

GHS Classifications
This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute Toxicity-Inhalation (Vapors) Category 4
Acute Toxicity-Inhalation (Dust-mists) Category 2
Serious eye damage/eye irritation – Category 2
Skin sensitization – Category 1
Carcinogenicity – Category 2

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.
Response: If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.
Storage: Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.
Disposal: The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.

Hazards Not Otherwise Classified (NHOC): Not applicable
Unknown Toxicity: Over 70% of the mixture consists of ingredients of unknown toxicity.
Other Information: Toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %*
Titanium dioxide	13463-67-7	10-30
Propylene glycol	57-55-6	3-7
Chlorothalonil	1897-45-6	0.1-1
Polyethylene glycol branched nonylphenyl either	68412-54-4	0.1-1
Methylchloroisothiazolinone	26172-55-4	0.1-1
Zinc oxide	1314-13-2	1-5

***The exact concentration of composition has been withheld as a trade secret.**

SECTION 4: FIRST AID MEASURES

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact
Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

Inhalation
Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

Ingestion
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-Protection of the First Aider
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. May cause sensitization of susceptible persons.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Product is/or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code
Sensitizer: Liquid Toxic: Liquid

Hazardous Combustion Products: Carbon oxides

Explosion Data

Sensitivity to mechanical impact	No.
Sensitivity to static impact	No.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

Other Information: Refer to protective measures listed in Sections 7 & 8.

Environmental Precautions

Environmental Precautions: Refer to protective measures listed in Sections 7 & 8.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Products: None known based on information supplied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	*ACGIH TLV*	*OSHA PEL*	*NIOSH IDLH*
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3
Zinc oxide 1314-13-2	---------- No Data Available ----------		

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters

Appropriate Engineering Controls

Engineering Measures: Showers / Eyewash Stations / Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

Skin and Body Protection: Wear protective gloves and protective clothing

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid	**Odor:**	Very Slight
Appearance:	White	**Odor Threshold:**	No information available
Color:	No information available		

Property	Values	Remarks/Method
pH	8.5	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle size	No data available
Particle size distribution	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available

Conditions to Avoid
Excessive heat

Chemical Stability
Stable under recommended storage conditions

Incompatible Materials
None known based on information supplied

Possibility of Hazardous Reactions
None under normal processing

Hazardous Decomposition Products
Carbon oxides

Hazardous Polymerization
Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	

Chlorothalonil 1897-45-6		> 10 g/kg (Rabbit)	= 310 mg/m3 (Rat) 1 h
Polyethylene glycol branched Nonylphenyl either 68412-54-4		= 1780 µL/kg (Rabbit)	
Methylchloroisothiazolinone 26172-55-4	= 481 mg/kg (Rat)	> 1008 mg/kg (Rat)	= 1.23 mg/L (Rat) 4 h
Zinc oxide – 1314-13-2	No data available	No data available	No data available

Information on Toxicological Effects

Symptoms: May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	*ACGIH*	*IARC*	*NTP*	*OSHA*
Titanium dioxide 13463-67-7		Group 2B		X
Chlorothalonil 1897-45-6		Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 – Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B – Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X-Present

Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure: No information available

Chronic Toxicity: Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

Aspiration Hazard: No information available

Numerical Measures of Toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	**ATEmix (inhalation-dust/mist)**
8,711.00 mg/kg	2.41 mg/l

ATEmix (dermal)
21,608.00 mg/kg (ATE)

ATEmix (inhalation-vapor)
16.00 ATEmix

ATEmix (inhalation-gas)
3,118.00 ppm (4hr)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects

Chemical Name	*Toxicity to Algae*	*Toxicity to Fish*	*Toxicity to Microorganisms*	*Daphnia Magna (Water Flea)*
Propylene Glycol 57-55-6	96h EC50: = mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41-47 mL/L (Oncorhynchus mykiss) 96h LC50: 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)		24h EC50: > 10000 mg/L 48h EC50: > 1000 mg/L
Chlorothalonil 1897-45-6	72h EC50: = 0.57 mg/L (Desmodesmus Subspicatus) 72h EC50: = 0.0068 mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 0.012 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0076 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0221-0.032 mg/L (Lepomis macrochirus) 96h LC50: 0.045-0.057 mg/L (Lepomis macrochirus)		48h EC50: 0.0342-0.143 mg/L
Methylchloroisothiazolinone 26172-55-4	72h EC50: 0.11-0.16mg/L (Pseudokirchneriella Subcapitata) 96h EC50: 0.03-0.13 mg/L (Pseudokirchneriella subcapitata) 120h EC50: = 0.31 mg/L (Anabaena Flos-aquae)	96h LC50: = 1.6 mg/L (Oncorhynchus mykiss)	EC50 = 5.7 mg/L 16h	48th EC50: = 4.71 mg/L 48h EC50: 0.12-0.3 mg/L 48h EC50: 0.71-0.99 mg/L

Persistence and Degradability: No information available

Bioaccumulation

Chemical Name	*Log Pow*
Chlorothalonil 1897-45-6	2.9
Methylchloroisothiazolinone 26172-55-4	-0.71-0.75

Other Adverse Effects: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered

material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations

California Hazardous Waste Codes: 331

SECTION 14: TRANSPORT INFORMATION

DOT	Not Regulated
Proper Shipping Name	Non-Regulated
Hazard Class	N/A

TDG

Un-No.	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

IATA

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III

IMDG/IMO

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
EmS No.	F-A, S-F
Marine Pollutant Description	Product is a marine pollutant according to the criteria set by IMDG/IMO UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	*CAS No.*	*Weight - %*	*SARA 313 – Threshold Values %*
Chlorothalonil	1897-45-6	0.1-1	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	*California Proposition 65*
Titanium dioxide – 13463-67-7	Carcinogen
Chlorothalonil – 1897-45-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	*New Jersey*	*Massachusetts*	*Pennsylvania*	*Rhode Island*	*Illinois*
Titanium dioxide – 13463-67-4	X	X	X		
Calcium carbonate – 1317-65-3	X	X	X		
Propylene Glycol – 57-55-6	X		X		
Chlorothalonil – 1897-45-6	X	X	X	X	
Zinc oxide – 1314-13-2	X	X	X		

International Regulations

Canada
WHMIS Hazard Class
D2A – Very toxic materials
D2B – Toxic materials

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Physical & Chemical Hazards -
HMIS	Health Hazards 2*	Flammability 0	Physical Hazard 0	Personal Protection X

Chromic Hazard Star Legend * = Chronic Health Hazard

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: LBC (Lead Barrier Compound) No. 5800, No. 5801 White, 5800 Antique Linen (or 5899 Custom tint)
Recommended Use of Product: Lead Encapsulant

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585
Poison Control Center (Medical): 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements

Hazard Statements:
Harmful if inhaled.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.

GHS Classifications

This product is considered hazardous by The 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Acute Toxicity-Inhalation (Vapors) Category 4
Acute Toxicity-Inhalation (Dust-mists) Category 2
Serious eye damage/eye irritation – Category 2
Skin sensitization – Category 1
Carcinogenicity – Category 2

PRECAUTIONARY STATEMENTS

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection (eye protection, gloves) during application. When grinding/sanding dry films, wear respiratory protection.
Response: If on skin, wash with plenty of soap and water. If in eyes, rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If inhaled, remove victim to fresh air. If exposed or concerned, get medical advice.
Storage: Keep closures tight and containers upright to prevent leakage. KEEP FROM FREEZING. Product is non-combustible.
Disposal: The coating and any contaminated diking material should be thoroughly air dried and collected into drums. The drums should be sealed and labeled and land-filled or incinerated according to local, regional and national regulations.
Hazards Not Otherwise Classified (NHOC): Not applicable
Unknown Toxicity: Over 70% of the mixture consists of ingredients of unknown toxicity.
Other Information: Toxic to aquatic life with long lasting effects. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %*
Titanium dioxide	13463-67-7	10-30
Calcium carbonate	1317-65-3	10-30
Propylene glycol	57-55-6	3-7
Chlorothalonil	1897-45-6	0.1-1
Methylchloroisothiazolinone	26172-55-4	0.1-1
Zinc oxide	1314-13-2	1-4

***The exact concentration of composition has been withheld as a trade secret.**

SECTION 4: FIRST AID MEASURES

General Advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact
If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin Contact
Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.

Inhalation
Remove to fresh air. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Do not breathe dust.

Ingestion
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

Self-Protection of the First Aider
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapors or mists.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Burning sensation. Coughing and/or wheezing. Difficulty in breathing. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. May cause sensitization of susceptible persons.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical: Product is/or contains a sensitizer. May cause sensitization by skin contact.

Uniform Fire Code
Sensitizer: Liquid Toxic: Liquid

Hazardous Combustion Products: Carbon oxides

Explosion Data
Sensitivity to mechanical impact No.
Sensitivity to static impact No.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Avoid breathing vapors or mists. Avoid generation of dust.

Other Information: Refer to protective measures listed in Sections 7 & 8

Environmental Precautions

Environmental Precautions: Refer to protective measures listed in Sections 7 & 8.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Immediately place absorbent material in a sealed water-filled metal container to avoid spontaneous combustion of absorbent material contaminated with this product. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Take off contaminated clothing and wash before reuse. Keep away from contact with clothing and other combustible materials to avoid fire.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Products: None known based on information supplied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	*ACGIH TLV*	*OSHA PEL*	*NIOSH IDLH*
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m^3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3
Calcium carbonate 1317-65-3		TWA: 15mg/m^3 TWA: 5 mg/m^3 (vacated) TWA: 15 mg/m^3 (vacated) TWA: 5 mg/m^3	TWA: 5 mg/m^3 respirable dust TWA: 10 mg/m^3 total dust
Zinc oxide 1314-13-2	TWA: 5 mg/m^3	TWA: 5 STEL 100 CSI; 25 mg/m^3	No data available

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters

Appropriate Engineering Controls

Engineering Measures: Showers / Eyewash Stations / Ventilation Systems

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: If splashes are likely to occur, wear safety glasses with side shields (or goggles). None required for consumer use.

Skin and Body Protection: Wear protective gloves and protective clothing

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous liquid	**Odor:**	Very Slight
Appearance:	White	**Odor Threshold:**	No information available
Color:	No information available		

Property	Values	Remarks/Method
pH	8.5	None known
Melting/freezing point	No data available	None known
Boiling point/boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	Miscible in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle size	No data available

Particle size distribution	No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
No data available

Conditions to Avoid
Excessive heat

Chemical Stability
Stable under recommended storage conditions

Incompatible Materials
None known based on information supplied

Possibility of Hazardous Reactions
None under normal processing

Hazardous Decomposition Products
Carbon oxides

Hazardous Polymerization
Hazardous polymerization does not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information: Product does not present an acute toxicity hazard based on known or supplied information

Inhalation: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. Harmful by inhalation (based on components).

Eye Contact: Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.

Skin Contact: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	*Oral LD50*	*Dermal LD50*	*Inhalation LC50*
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		

Propylene Glycol 57-55-6	= 20000 mg/kg (Rat)	= 20800 mg/kg (Rabbit)	
Chlorothalonil 1897-45-6		> 10 g/kg (Rabbit)	= 310 mg/m3 (Rat) 1 h
Methylchloroisothiazolinone 26172-55-4	= 481 mg/kg (Rat)	> 1008 mg/kg (Rat)	= 1.23 mg/L (Rat) 4 h
Zinc oxide – 1314-13-2	7950 mg/kg (Mouse)	No data available	No data available

Information on Toxicological Effects

Symptoms: May cause redness and tearing of the eyes, coughing and/or wheezing, itching, rashes and hives.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Sensitization: May cause sensitization of susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	*ACGIH*	*IARC*	*NTP*	*OSHA*
Titanium dioxide 13463-67-7		Group 2B		X
Chlorothalonil 1897-45-6		Group 2B		X

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 – Suspected Human Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B – Possibly Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X-Present

Reproductive Toxicity, STOT Single Exposure, STOT Repeated Exposure: No information available

Chronic Toxicity: Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. Contains a known or suspected carcinogen.

Target Organ Effects: Eyes, respiratory system, skin, gastrointestinal tract (GI) & lungs.

Aspiration Hazard: No information available

Numerical Measures of Toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	**ATEmix (inhalation-dust/mist)**
8,711.00 mg/kg	2.41 mg/l

ATEmix (dermal)
21,608.00 mg/kg (ATE)

ATEmix (inhalation-vapor)
16.00 ATEmix

ATEmix (inhalation-gas)
3,118.00 ppm (4hr)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic life with long lasting effects

Chemical Name	*Toxicity to Algae*	*Toxicity to Fish*	*Toxicity to Microorganisms*	*Daphnia Magna (Water Flea)*
Propylene Glycol 57-55-6	96h EC50: = mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 51600 mg/L (Oncorhynchus mykiss) 96h LC50: 41-47 mL/L (Oncorhynchus mykiss) 96h LC50: 51400 mg/L (Pimephales promelas) 96h LC50: = 710 mg/L (Pimephales promelas)		24h EC50: > 10000 mg/L 48h EC50: > 1000 mg/L
Chlorothalonil 1897-45-6	72h EC50: = 0.57 mg/L (Desmodesmus Subspicatus) 72h EC50: = 0.0068 mg/L (Pseudokirchneriella Subcapitata)	96h LC50: = 0.012 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0076 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0221-0.032 mg/L (Lepomis macrochirus) 96h LC50: 0.045-0.057 mg/L (Lepomis macrochirus)		48h EC50: 0.0342-0.143 mg/L
Methylchloroisothiazolinone 26172-55-4	72h EC50: 0.11-0.16mg/L (Pseudokirchneriella Subcapitata) 96h EC50: 0.03-0.13 mg/L (Pseudokirchneriella subcapitata) 120h EC50: = 0.31 mg/L (Anabaena Flos-aquae)	96h LC50: = 1.6 mg/L (Oncorhynchus mykiss)	EC50 = 5.7 mg/L 16h	48th EC50: = 4.71 mg/L 48h EC50: 0.12-0.3 mg/L 48h EC50: 0.71-0.99 mg/L

Persistence and Degradability: No information available

Bioaccumulation

Chemical Name	*Log Pow*
Chlorothalonil 1897-45-6	2.9
Methylchloroisothiazolinone 26172-55-4	-0.71-0.75

Other Adverse Effects: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered

material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations

California Hazardous Waste Codes: 331

SECTION 14: TRANSPORT INFORMATION

DOT	Not Regulated
Proper Shipping Name	Non-Regulated
Hazard Class	N/A

TDG

Un-No.	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

IATA

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
Description	UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III

IMDG/IMO

Un-No.	3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Packing Group	III
EmS No.	F-A, S-F
Marine Pollutant Description	Product is a marine pollutant according to the criteria set by IMDG/IMO UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Chlorothalonil), 9, III, Marine Pollutant

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	*CAS No.*	*Weight - %*	*SARA 313 – Threshold Values %*
Chlorothalonil	1897-45-6	0.1-1	0.1

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	*California Proposition 65*
Titanium dioxide – 13463-67-7	Carcinogen
Chlorothalonil – 1897-45-6	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	*New Jersey*	*Massachusetts*	*Pennsylvania*	*Rhode Island*	*Illinois*
Titanium dioxide – 13463-67-4	X	X	X		
Calcium carbonate – 1317-65-3	X	X	X		
Propylene Glycol – 57-55-6	X		X		
Chlorothalonil – 1897-45-6	X	X	X	X	
Zinc oxide – 1314-13-2	X	X	X		

International Regulations

Canada
WHMIS Hazard Class
D2A – Very toxic materials
D2B – Toxic materials

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 0	Instability 0	Physical and Chemical Hazards
HMIS	Health Hazards 2*	Flammability 0	Physical Hazard 0	Personal Protection X

Chromic Hazard Star Legend * = Chronic Health Hazard

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

SDS Date: August, 2016

Safety Data Sheet
Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Penewet RTU No. 6450
General Use: Use to penetrate and moisten asbestos insulation and other materials prior to removal.
Product Description: Ready-to-Use Wetting Agent/Surfactant Solution

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585
Poison Control Center (Medical): 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **WARNING**

GHS Label Statements
Hazard Statements:
Causes eye irritation.

GHS Classifications
Health:
Eye irritation – Category 2B

PRECAUTIONARY STATEMENTS

Prevention: Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Keep out of reach of children.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Storage: Store in a closed container.
Disposal: Dispose of contents/container according to all local, state and Federal regulations.

EMERGENCY OVERVIEW
Physical Appearance: Clear liquid
Immediate Concerns: Eye irritant

POTENTIAL HEALTH EFFECTS
Eyes: Contact may cause eye irritation.

Skin: None expected.
Skin Absorption: None expected.
Ingestion: Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
Inhalation: None expected.

REPRODUCTIVE TOXICITY
Reproductive Effects: None known.
Teratogenic Effects: None known.

Carcinogenicity: No listed substance.
Mutagenicity: None known.
Routes of Entry: Ingestion, eye
Cancer Statement: None
Sensitization: None known.
Warning Caution labels: None
Physical Hazards: None expected.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %
Ethoxylate Alcohol C9-11	68439-46-3	0-5
Water	7732-18-5	95-98

SECTION 4: FIRST AID MEASURES

Eyes
Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

Skin
Rinse with plenty of water.

Inhalation
NA = Not Applicable

Ingestion
Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Signs and Symptoms of Overexposure
Eyes: Slight discomfort with redness, watering eyes.
Skin: Prolonged contact will cause irritation marked by redness, slight burning sensation.
Skin absorption: None Expected.
Ingestion: Stomach upset, vomiting
Inhalation: None Expected.
Acute toxicity: Not Established
Chronic effects: No known significant effects or critical hazards.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable class: NA = Not Applicable
Extinguishing media: No special requirements.
Hazardous combustion products: Not Established
Explosion hazards: None
Fire-fighting procedures: Keep fire exposed containers cool with water stream or mist.
Fire-fighting equipment: No special requirements.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spill: Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.
Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

Environmental Precautions
Water spill: Avoid discharges into open waterways.
Land spill: Avoid discharge to soil.
Air spill: NA = Not Applicable

SECTION 7: HANDLING AND STORAGE

General Procedures
Close container after use.

Handling
Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Storage
Store in closed container in an area inaccessible to children.

Storage Temperature
Store at ambient temperatures.

Storage Pressure
Store at ambient atmospheric pressure.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.
Personal Protective Equipment
Eyes and face: Chemical splash goggles.
Skin: Rubber or other chemical resistant gloves.
Respiratory: Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.
Protective clothing: Chemical resistant outerwear (Tyvek) if contact with spray or mist is anticipated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Odor: Characteristic.
Odor Threshold: Not Established
Color: Water Clear
pH: 7.5 to 8.5
Percent Volatile: >98
Flash Point and Method: None
Flammable Limits: N/A
Autoignition Temperature: NA = Not Applicable
Vapor Pressure: ~ 20 mm Hg at 20°C (68°F)
Vapor Density: > 1 Air = 1
Boiling Point: 212º F; 100º C
Freezing Point: 32ºF; 0ºC Particle size distribution
Solubility In Water: Complete
Evaporation Rate: (Water =1) 1.0
Density: 8.34 at 20°C (68°F)
Specific Gravity: 1.001 grams/ml. at 20°C (68°F)
Viscosity: Water thin.
(VOC): <None

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Stable

Hazardous Polymerization
Will not occur.

Stability
Stable under normal storage and use conditions.

Conditions to Avoid
None known.

Hazardous Decomposition Products
None expected.

Incompatible Materials
Strong oxidizers

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name	***Oral LD_{50} (rat)***	***Dermal LD_{50} (rabbit)***	***Inhalation LC_{50} (rat)***
Ethoxylate Alcohol C9-11	1400 mg/kg (rat)	>5000 mg/kg (rat)	No data available

Eyes: Not Established.
Dermal LD_{50}: Not Established.
Skin absorption: Not Established.

Oral LD_{50}: Not Established.
Inhalation LC_{50}: Not Established.

Eye effects: Mild to moderate eye irritant.
Skin effects: Not Established.

Carcinogenicity
IARC: No listed substance

Irritation: Not Established
Sensitization: No known significant effects or critical hazards.
Neurotoxicity: No known significant effects or critical hazards.
Genetic effects: No known significant effects or critical hazards.
Reproductive effects: No known significant effects or critical hazards.
Target organs: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Environmental data: Not Established
Ecotoxicological information: Not Established
Bioaccumulation/Accumulation: None Expected
Aquatic toxicity (ACUTE): Not Established
Chemical fate information: This product is biodegradable

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.
For large spills: Consult with local and state authorities for large volume disposal.
Product disposal: See above.
Empty container: Rinse container with clear water. Offer container for recycling, or dispose of in trash.
RCRA/EPA waste information: NA = Not Applicable

SECTION 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name	Cleaning Compound, not regulated.
U.S. Customs Harmonization #	3402.90.10.00

SECTION 15: REGULATORY INFORMATION

United States

Sara Title III (Superfund Amendments and Reauthorization Act)
311/312 Hazard Categories: Health Hazard – Acute
Fire: No **Pressure Generating:** No **Reactivity:** No **Acute:** Yes **Chronic:** No
313 Reportable Ingredients: None

302/304 Emergency Planning
Emergency Plan: NA = Not Applicable

CERCLA (Comprehensive Response, Compensation, and Liability Act)
CERCLA REGULATORY: NA = Not Applicable

TSCA (Toxic Substance Control Act)
TSCA Regulatory: All ingredients are listed on the TSCA Chemical Inventory.

California Proposition 65: None
RCRA Status: NA = Not Applicable
Carcinogen: No listed substance

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 0	Instability 0	Physical and Chemical Hazards Personal Protection
HMIS	Health Hazards 1	Flammability 0	Physical Hazard 0	B

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

Manufacturer Disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: Piranha 2 No. 5720
Recommended Use of Product: Paint Remover

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **DANGER: POISON!**

GHS Classifications
This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Eye irritation – Category 2A
Skin irritation – Category 2
Acute toxicity (oral) – Category 3
Carcinogenicity – Category 2
Specific target organ toxicity (single exposure) – Category 1
Specific target organ toxicity (repeated exposure) – Category 2
Aspiration toxicity – Category 1

GHS Label Statements
Hazard Statements:
May be fatal or cause blindness if swallowed. Vapor Harmful.
Skin and eye irritant.
Use outdoors if possible. If you must use indoors, open all windows and outside doors. Use only with moving fresh air cross ventilation over the work area and across floor.
Keep away from heat and flames.
Vapors flow along floors, under doors and on contact with flame or hot surface. May produce toxic poisonous gas and destroy metals.

PRECAUTIONARY STATEMENTS

Prevention: If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. Use personal protective equipment as required. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Response: If exposed or concerned: Get medical advice/attention.
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential Health Effects

Eye: Eye contact can cause severe irritation, redness, tearing, blurred vision and may cause transient injury to cornea.

Skin: Short contact may cause slight reddening or no irritation. Prolonged or frequently repeated contact can cause irritation, defatting, dermatitis and may result in absorption of harmful amounts. Some ingredients in this product may be absorbed through intact skin and product toxic effects similar to swallowing.

Ingestion: Aspiration of material into the lungs can cause chemical pneumonitis, which can be fatal. Ingestion can cause blindness, nausea, vomiting, diarrhea, gastrointestinal irritation and death.

Inhalation: Inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, headache, nausea, unconsciousness and asphyxiation.

Chronic Overexposure Information: Intentional misuse by deliberately concentrating and inhaling the product may be harmful or fatal. Reports have associated repeated and prolonged overexposure to solvents with permanent brain, nervous system, liver and kidney damage. For hazard communication purposes under OSHA standard 29 CFR part 1910.1200, methylene chloride has been shown to increase the rate of spontaneously occurring malignant tumors in one strain of laboratory mouse and benign tumors in laboratory rats. Other animal studies and human epidemiology studies have not shown a tumorigenic response which could be related to methylene chloride.

Teratology and Reproduction Information: Toluene may be harmful to the human fetus based on positive test results with laboratory animals. Case studies show that prolonged intentional abuse of toluene during pregnancy can cause birth defects in humans.

Aggravation of Pre-Existing Conditions: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product. Excessive exposure may cause carboxyhemoglobinemia and impair blood's ability to transport oxygen.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %
Dichloromethane OSHA 25 ppm TWA/125 ppm STEL ACGIH 50 ppm TWA, A3	75-09-2	65-70

Toluene ACGIH 20 ppm TWA, A4 OSHA 200 ppm TWA/300 ppm CEILING	108-88-3	10-15
Methanol ACGIH (SKIN)/OSHA 200 ppm TWA ACGIH 250 ppm STEL-SKIN	67-56-1	10-15
2-Butoxyethanol OSHA 50 ppm TWA – Skin ACGIH 20 ppm TWA - Skin	111-76-2	0-5
Paraffin Wax ACGIH 2 mg/m3 TWA (fume)	8002-74-2	0-5

SECTION 4: FIRST AID MEASURES

Eye Contact
Flood with plenty of water with eyelids held open for at least 15 minutes and get medical attention promptly.

Skin Contact
Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Inhalation
If illness occurs, remove patient to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, start artificial respiration. Call physician immediately.

Ingestion
Immediately give 1 or 2 glasses of water and call physician, hospital emergency room or poison control center for way to induce vomiting. Get medical attention promptly. Never give anything by mouth to an unconscious person. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

Notes to Physician
This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties: Although this material does not have a flash point, it can burn at room temperature. During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Contact of liquid or vapor with flame or hot surfaces will product toxic gases and a corrosive residue that will cause deterioration of metal.

Hazardous Combustion Products: Hydrogen chloride, carbon dioxide and carbon monoxide, various hydrocarbons. May include trace amounts of phosgene and chlorine.

Suitable Extinguishing Media: Water fog, regular foam, carbon dioxide or dry chemical.

Firefighting Procedures: Wear self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode. Straight water steam will spread fire. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill: Wipe or scrape up any material. Wash area thoroughly with detergent and water; ventilate adequately with good fresh air movement at floor level.

Large Spill: Wear proper protective equipment. Stop spill at source, dike area of spill to keep from spreading and keep out of ground water and streams. Transfer material to metal containers. Absorb remainder with sand, clay, earth, floor absorbent or other material and shovel into containers. Then wash area thoroughly with water and detergent. Ventilate adequately with good fresh air movement at floor level. Do not restart pilot lights or operate electrical devices or other sources of sparks, flames or heat until all vapors (odors) are gone.

Environmental Precautions: Prevent spills from entering storm sewers or drains and contact with soil.

Methods for Containment and Cleaning Up: Absorb on liquid-absorbing material. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handling: Do not breathe material. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor and liquid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers should be grounded and/or bonded when material is transferred.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Store in a cool place, out of the hot sun and below 90F. All containers are subject to damage in storage and transit. Damaged containers may start leaking immediately or at a later time. Do not store in areas with widely fluctuating temperatures and do not store in below ground areas that cannot by adequately ventilated at floor level. Do not use cutting or welding torches near full or empty containers. Closed containers may explode if exposed to extreme heat. Never use internal gas or air pressure to remove contents from a container. Emptied containers may retain product residues (e.g. vapor, liquid or solids); therefore, all precautions given in this sheet must be observed until a container is thoroughly cleaned or destroyed. All containers must be completely drained (less than one inch of material in the bottom of a 55 gallon container) before disposal. If possible, emptied container of 55 gallons or more should be given to reconditioner for cleaning.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: See Section 3.

Engineering Controls: The vapors are heavier than air and due care must be exercised to prevent them from collecting in low, unventilated areas. Vapors may travel along the floor—even under and around closed doors. Adequate ventilation must be provided with good fresh air movement at floor level by normal cross ventilation of preferably good explosion proof exhaust fans. Limit concentration of any solvent in air to exposure guidelines.

Personal Protective Equipment

Eye/Face Protection: Chemical goggles or safety glasses with side shield. Eye wash stations with safety showers should be readily available. Plastic glasses may be dissolved by paint removers and other solvents

Skin and Body Protection: Neoprene, butyl or safety 4H laminate glove.

Respiratory Protection: At vapor concentration below exposure guidelines, none needed. Air purifying respirators may not be effective and they are not recommended for use with this product. In poorly ventilated areas and in emergencies, an approved self-contained breathing apparatus with a full face piece, operated pressure demand or other positive pressure mode is advised. (See your safety equipment supplier)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Thick liquid
Odor: Aromatic

Property	Values
pH	8-10
Melting/freezing point	No data available
Flash point	None
Lower Explosive Limit:	No data available
Upper Explosive Limit:	No data available
Autoignition temperature	No data available
Boiling point/boiling range	104°F
Evaporation rate	No data available
Vapor pressure	243 mmHg 20°
Vapor density	Heavier than air
Specific Gravity	1.128
Water Solubility	Appreciable
Explosive properties	No data available

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability (Conditions to Avoid): Stable

Incompatibility: Strong oxidizing agents (e.g. nitric acid, permanganates, etc.), strong alkalis (e.g.

NaOH ammonia, etc.), strong acids (e.g. HCl, sulfuric, etc.), may react with aluminum.

Hazardous Decomposition Products: Decomposition products can include and are not limited to: Hydrogen chloride. Can also include trace amounts of chlorine and phosgene.

Hazardous Polymerization: Hazardous polymerization will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute: This product has not been tested as a whole.

Subchronic: This product has not been tested as a whole.

Chronic/Carcinogenicity: Dichloromethane (methylene chloride) has been shown to increase the incidence of malignant tumors in mice and benign tumors in rats. Other animal studies, as well as several human epidemiology studies, failed to show a tumorigenic response. Methylene chloride is not believed to pose a measurable carcinogenic risk to man when handled as recommended. Studies have shown that tumors observed in mice are unique to that species. Dichloromethane is a confirmed animal carcinogen with unknown relevance to humans, group A3 with ACGIH; IARC listed as a group 2B, possible carcinogenic to humans; NTP as anticipated carcinogen; and OSHA as a potential cancer hazard.

Routes of Exposure: Inhalation, skin absorption, skin contact, eye contact and ingestion.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Fate: This product has not been tested as a whole.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Removers cannot be neutralized for disposal into a sewer. Solvents must not be dumped on the ground or be allowed to contaminate ground water, streams, drinking water sources or other bodies of water. Solids collected from stripping should be screened out. Recovered remover, if not contaminated with other solvents or water, may be recycled in the system. Dispose of contaminated remover as spent solvent to a licensed re-claimer. Comply with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

Land Transport (DOT)
UN1593/Dichloromethane solution/6.1/PGIII – Poison

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA: The intentional ingredients of this product are listed.

OSHA: The intentional ingredients of this product are listed.

CERCLA: SARA Hazard Category: Immediate/Health

- Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemicals (marked in section 3) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
- Reportable Quantity: Product Components (Dichloromethane – 1000lb; Methanol – 5000lb; Toluene – 1000lb)

US State Regulations

New Jersey
New Jersey RTK Label Information:
Dichloromethane, 75-09-2
Toluene, 108-88-3
Methanol, 67-56-1
2-Butoxyethanol, 111-76-2

Pennsylvania
Pennsylvania RTK Label Information:
Dichloromethane, 75-09-2
Toluene, 108-88-3
Methanol, 67-56-1
2-Butoxyethanol, 111-76-2

California Proposition 65: This product contains a chemical(s) known to the state of California to cause cancer, birth defects, or other reproductive harm.

Volatile Organic Compounds: 28% by weight; 321 g/l, 2.68 lbs/g

SECTION 16: OTHER INFORMATION

NFPA Ratings: 2, 1, 0

Manufacturer Disclaimer: Judgement of potential hazards of this product is based on information available about individual components listed under section 3 – Ingredients. Direct testing of mixture has not been done. Flash point has been tested. Information given herein is believed to be accurate and is given in good faith. However, no warranty either expressed or implied is made. It is strongly suggested that users confirm in advance of need that the information is current and applicable to their situation.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

SAFETY DATA SHEET
A06639 ARAMSCO RAMTACK ADH 20net12

Version 3.0 Revision Date 08/31/2015 Print Date 09/17/2015

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ARAMSCO RAM-TACK SPRAY ADHESIVE

Material number : 000000000001004306 / A06639

Manufacturer or supplier's details

Company : ARAMSCO

Address : 1480 Grandview Avenue
Paulsboro, NJ 08066

Telephone : 800-767-6933

Emergency telephone numbers		
For SDS Information	:	800-767-6933
For a Medical Emergency	:	
For a Transportation Emergency	:	CHEMTREC:800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance	Aerosol containing a liquefied gas
Colour	tan
Odour	solvent-like

GHS Classification

Flammable aerosols : Category 1
Gases under pressure : Liquefied gas
Skin irritation : Category 2
Eye irritation : Category 2A
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

GHS Label element

Hazard pictograms :

Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
Storage:
P405 Store locked up.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal:
Dispose of contents/container in accordance with local regulation.

Potential Health Effects

Carcinogenicity:

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical Name	CAS-No.	Concentration [%]
propane	74-98-6	>= 20 - < 30
acetone	67-64-1	>= 20 - < 30
butane	106-97-8	>= 10 - < 20
Naphtha (petroleum), hydrotreated light	64742-49-0	>= 10 - < 20
methyl acetate	79-20-9	>= 5 - < 10

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure.
In case of skin contact	:	If on skin, rinse well with water. If on clothes, remove clothes. Wash off immediately with plenty of water for at least 15 minutes.
In case of eye contact	:	Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	:	Keep respiratory tract clear. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Carbon dioxide (CO2) Dry chemical Water spray jet Alcohol-resistant foam
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Carbon dioxide (CO2) Carbon monoxide Smoke
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Do not breathe vapours or spray mist. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Always replace cap after use.
Conditions for safe storage	:	BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	:	Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of	Control parameters /	Basis

		exposure)	Permissible concentration	
propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA P0
acetone	67-64-1	TWA	500 ppm	ACGIH
		STEL	750 ppm	ACGIH
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		TWA	750 ppm 1,800 mg/m3	OSHA P0
		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA P0
methyl acetate	79-20-9	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 610 mg/m3	NIOSH REL
		ST	250 ppm 760 mg/m3	NIOSH REL
		TWA	200 ppm 610 mg/m3	OSHA Z-1
		TWA	200 ppm 610 mg/m3	OSHA P0
		STEL	250 ppm 760 mg/m3	OSHA P0

Biological occupational exposure limits

Component	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
2-PROPANONE	67-64-1	Acetone	Urine	End of shift (As soon as possible after exposure ceases)	50 mg/l	ACGIH BEI

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection	:	Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses
Skin and body protection	:	Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aerosol containing a liquefied gas
Colour	:	tan
Odour	:	solvent-like
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Extremely flammable aerosol.
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Density	:	0.853 g/cm3
Solubility(ies)		
Water solubility	:	partly soluble
Solubility in other solvents	:	not determined
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	not determined
Thermal decomposition	:	No data available
Viscosity		
Viscosity, kinematic	:	No data available
Heat of combustion	:	40.94 kJ/g

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Vapours may form explosive mixture with air. No decomposition if stored and applied as directed.
Conditions to avoid	:	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon dioxide (CO2) Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Components:

propane:

Acute inhalation toxicity	:	LC50 Mouse: 1,237 mg/l Exposure time: 2 h LC50 Rat: 658 mg/l Exposure time: 4 h LC50 Rat: 1,355 mg/l

acetone:

Acute oral toxicity	:	LD50 Rat: 5,800 mg/kg
Acute inhalation toxicity	:	LC50 Rat: 132 mg/l Exposure time: 3 h LC50 Rat: 50.1 mg/l
Acute dermal toxicity	:	LD50 Guinea pig: > 7,426 mg/kg LD50 Rabbit: > 7,426 mg/kg

butane:

Acute inhalation toxicity	:	LC50 Mouse: 1,237 mg/l Exposure time: 2 h LC50 Rat: 1,355 mg/l

Skin corrosion/irritation

Product:

Remarks: Irritating to skin.

Serious eye damage/eye irritation

Product:

Remarks: Irritating to eyes.

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

propane:
acetone:
butane:
Naphtha (petroleum), hydrotreated light:
methyl acetate:

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration toxicity

No data available

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

Product:

Partition coefficient: n-octanol/water	:	Remarks: No data available

Components:

butane :

Partition coefficient: n-octanol/water	:	Pow: 2.89

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation	40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):
ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel):
UN1950, AEROSOLS, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air):
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada):
UN1950, AEROSOLS, 2.1, - Limited quantity

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
acetone	67-64-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard
Fire Hazard
Sudden Release of Pressure Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 WARNING! This product contains a chemical known to the State of California to cause cancer.

benzene 71-43-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

toluene 108-88-3
benzene 71-43-2

The components of this product are reported in the following inventories:

TSCA	On TSCA Inventory
DSL	All components of this product are on the Canadian DSL
AICS	On the inventory, or in compliance with the inventory
NZIoC	Not in compliance with the inventory
PICCS	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory

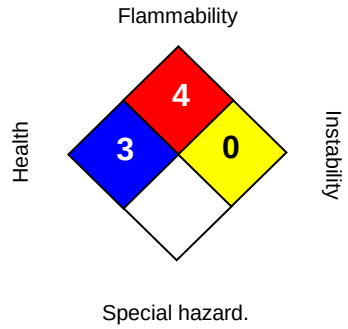
Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	4
PHYSICAL HAZARD	2

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

OSHA GHS Label Information:

Hazard pictograms :

Signal word : **Danger:**

Hazard statements : Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statements :

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection. Wear protective gloves.
Response: IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.
Storage: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
Disposal: Dispose of contents/container in accordance with local regulation.

Version:	3.0
Revision Date:	08/31/2015
Print Date:	09/17/2015

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations

to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

Safety Data Sheet: **Simple Green® All-Purpose Cleaner** ★

Version No. 13000-14B Issue Date: September 13, 2014 Supersedes Date: January 7, 2014 *OSHA HCS-2012 / GHS*

Section 1: IDENTIFICATION

Product Name: Simple Green® All-Purpose Cleaner
Additional Names:

Manufacturer's Part Number: **Please refer to Section 16*

Recommended Use: Cleaner & Degreaser for water tolerant surfaces.
Restrictions on Use: Do not use on non-rinsable surfaces.

Company: Sunshine Makers, Inc.
15922 Pacific Coast Highway
Huntington Beach, CA 92649 USA
Telephone: 800-228-0709 ● 562-795-6000 *Mon – Fri, 8am – 5pm PST*
Fax: 562-592-3830
Email: info@simplegreen.com
Emergency Phone: Chem-Tel 24-Hour Emergency Service: 800-255-3924

Section 2: HAZARDS IDENTIFICATION

This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).

OSHA HCS 2012
Label Elements
Signal Word: None **Hazard Symbol(s)/Pictogram(s):** None required

Hazard Statements: None
Precautionary Statements: None
Hazards Not Otherwise Classified (HNOC): None
Other Information: None Known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Percent Range
Water	7732-18-5	> 84.8%*
Ethoxylated Alcohol	68439-46-3	< 5%*
Sodium Citrate	68-04-2	< 5%*
Tetrasodium *N,N*-bis(carboxymethyl)-L-glutamate	51981-21-6	< 1%*
Sodium Carbonate	497-19-8	< 1%*
Citric Acid	77-92-9	< 1%*
Isothiazolinone mixture	55965-84-9	< 0.2%*
Fragrance	Proprietary Mixture	< 1%*
Colorant	Proprietary Mixture	< 1%*

**specific percentages of composition are being withheld as a trade secret*

Section 4: FIRST-AID MEASURES

Inhalation: Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.
Skin Contact: Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.
Eye Contact: Not expected to cause eye irritation. If adverse effect occurs, flush eyes with water.
Ingestion: May cause upset stomach. Drink plenty of water to dilute. See section 11.

Most Important Symptoms/Effects, Acute and Delayed: None known.

Indication of Immediate Medical Attention and Special Treatment Needed, if necessary: Treat symptomatically

Section 5: FIRE-FIGHTING MEASURES

Suitable & Unsuitable Extinguishing Media: Use Dry chemical, CO2, water spray or "alcohol" foam. Avoid high volume jet water.
Specific Hazards Arising from Chemical: In event of fire, fire created carbon oxides may be formed.
Special Protective Actions for Fire-Fighters: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

This product is non-flammable. See Section 9 for Physical Properties.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: *For non-emergency and emergency personnel:* See section 8 – personal protection. Avoid eye contact. Safety goggles suggested.

Environmental Precautions: Do not allow into open waterways and ground water systems.

Methods and Materials for Containment and Clean Up: Dike or soak up with inert absorbent material. See section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container. Do not mix or contaminate with any other chemical. Do not eat, drink or smoke while using this product.

Conditions for Safe Storage including Incompatibilities: Keep container tightly closed. Keep in cool dry area. Avoid prolonged exposure to sunlight. Do not store at temperatures above 109°F (42.7°C). If separation occurs, mix the product for reconstitution.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values: No components listed with TWA or STEL values under OSHA or ACGIH.

Appropriate Engineering Controls: Showers, eyewash stations, ventilation systems

Individual Protection Measures / Personal Protective Equipment (PPE)
Eye Contact: Use protective glasses or safety goggles if splashing or spray-back is likely.
Respiratory: Use in well ventilated areas or local exhaust ventilations when cleaning small spaces.
Skin Contact: Use protective gloves (any material) when used for prolonged periods or dermally sensitive.
General Hygiene Considerations: Wash thoroughly after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid
Odor: Added sassafras odor
Odor Threshold: Not determined
pH ASTM D-1293**:** 8.5 – 9.5
Freezing Point ASTM D-1177**:** 0-3.33°C (32-38°F)
Boiling Point & Range ASTM D-1120**:** 101°C (213.8°F)
Flash Point ASTM D-93**:** > 212°F
Evaporation Rate ASTM D-1901**:** ½ Butyl Acetate @ 25°C
Flammability (solid, gas): Not applicable
Upper/Lower Flammability or Explosive Limits: Not applicable
Vapor Pressure ASTM D-323**:** 0.60 PSI @77°F, 2.05 PSI @100°F
Vapor Density: Not determined

Partition Coefficient: n-octanol/water: Not determined
Autoignition Temperature: Non-flammable
Decomposition Temperature: 109°F
Viscosity: Like water
Specific Gravity ASTM D-891**:** 1.01 – 1.03
VOCs: ***Water & fragrance exemption in calculation*

SCAQMD 304-91 / EPA 24:	0 g/L	0 lb/gal	0%
CARB Method 310**:	2.5 g/L	0.021 lb/gal	0.25%
SCAQMD Method 313:	Not tested		

VOC Composite Partial Pressure: Not determined
Relative Density ASTM D-4017**:** 8.34 – 8.42 lb/gal
Solubility: 100% in water

Section 10: STABILITY AND REACTIVITY

Reactivity: Non-reactive.
Chemical Stability: Stable under normal conditions 70°F (21°C) and 14.7 psig (760 mmHg).
Possibility of Hazardous Reactions: None known.
Conditions to Avoid: Excessive heat or cold.
Incompatible Materials: Do not mix with oxidizers, acids, bathroom cleaners, or disinfecting agents.
Hazardous Decomposition Products: Normal products of combustion - CO, CO2.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:
Inhalation - Overexposure may cause headache.
Skin Contact - Not expected to cause irritation, repeated contact may cause dry skin.
Eye Contact - Not expected to cause irritation.
Ingestion - May cause upset stomach.

Symptoms related to the physical, chemical and toxicological characteristics: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from short term exposure: no symptoms expected under typical use conditions.
Delayed and immediate effects and or chronic effects from long term exposure: headache, dry skin, or skin irritation may occur.
Interactive effects: Not known.

Numerical Measures of Toxicity

Acute Toxicity:
Oral LD_{50} (rat) > 5 g/kg body weight
Dermal LD_{50} (rabbit) > 5 g/kg body weight
Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals

Skin Corrosion/Irritation: Non-irritant per Dermal Irritection® assay modeling. No animal testing performed.
Eye Damage/Irritation: Minimal irritant per Ocular Irritection® assay modeling. No animal testing performed.
Germ Cell Mutagenicity: Mixture does not classify under this category.
Carcinogenicity: Mixture does not classify under this category.
Reproductive Toxicity: Mixture does not classify under this category.
STOT-Single Exposure: Mixture does not classify under this category.
STOT-Repeated Exposure: Mixture does not classify under this category.
Aspiration Hazard: Mixture does not classify under this category.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
Aquatic: Aquatic Toxicity - Low, based on OECD 201, 202, 203 + Microtox: EC_{50} & IC_{50} ≥100 mg/L. Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.
Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Readily Biodegradable per OCED 301D, Closed Bottle Test
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other Adverse Effects: No data available.

Section 13: DISPOSAL CONSIDERATIONS

Unused or Used Liquid: May be considered hazardous in your area depending on usage and tonnage of disposal – check with local, regional, and or national regulations for appropriate methods of disposal.

Empty Containers: May be offered for recycling.

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Safety Data Sheet: **Simple Green® All-Purpose Cleaner** ★

Version No. 13000-14B Issue Date: September 13, 2014 Supersedes Date: January 7, 2014 *OSHA HCS-2012 / GHS*

Section 14: TRANSPORT INFORMATION

U.N. Number: Not applicable
U.N. Proper Shipping Name: Cleaning Compound, Liquid NOI
Transport Hazard Class(es): Not applicable
NMFC Number: 48580-3
Packing Group: Not applicable
Class: 55
Environmental Hazards: Marine Pollutant - NO
Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code): Unknown.
Special precautions which user needs to be aware of/comply with, in connection with transport or conveyance either within or outside their premises: None known.

U.S. (DOT) / Canadian TDG: Not Regulated for shipping.
ICAO/ IATA: Not classified as Hazardous
IMO / IDMG: Not classified as Hazardous
ADR/RID: Not classified as Hazardous

Section 15: REGULATORY INFORMATION

All components are listed on: TSCA and DSL Inventory.

SARA Title III: Sections 311/312 Hazard Categories – Not applicable.
Sections 313 Superfunds Amendments and Reauthorizations Act of 1986 – Not applicable.
Sections 302 – Not applicable.

Clean Air Act (CAA): Not applicable
Clean Water Act (CWA): Not applicable

State Right To Know Lists: No ingredients listed
California Proposition 65: No ingredients listed
Texas ESL:

Ethoxylated Alcohol	68439-46-3	60 µg/m³ long term	600 µg/m³ short term
Sodium Citrate	68-04-2	5 µg/m³ long term	50 µg/m³ short term
Sodium Carbonate	497-19-8	5 µg/m³ long term	50 µg/m³ short term
Citric Acid	77-92-9	10 µg/m³ long term	100 µg/m³ short term

Section 16: OTHER INFORMATION

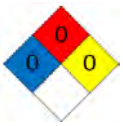
Size	UPC	Size	UPC
2 oz. Pump	043318130366	1 Gallon w/ Dilution Bottle	043318000669
2 oz. Pump	043318131035	1 Gallon	043318000799
4 oz. Pump	043318130014	1 Gallon w/ Dilution Bottle	043318001383
16 oz. Trigger	043318130021	1 Gallon w/ Dilution Bottle	043318002021
22 oz. Trigger	043318130229	1 Gallon	043318130052
24 oz. Trigger, 12 per case	043318000034	1 Gallon w/ Dilution Bottle, 112 per case	043318480140
24 oz. Trigger	043318000300	1 Gallon w/ Dilution Bottle, 4 per case	043318480416
24 oz. Trigger	043318130137	1 Gallon w/ Dilution Bottle, 24 per case	043318480492
32 oz. Trigger	043318000652	1 Gallon w/ laundry	043318002052
32 oz. Trigger	043318130335	1 Gallon w/ towel	043318001222
67.6 oz	043318000393	140 oz.	043318001390
67.6 oz.	043318130144	140 oz., 168 per case	043318561405
1 Gallon w/ Dilution Bottle	043318000539	140 oz. w/ Dilution Bottle	043318001468
1 Gallon w/ Dilution Bottle	043318000645		

USA items listed only. Not all items listed. USA items may not be valid for international sale.

Section 16: OTHER INFORMATION - continued

NFPA:

Health – None
Flammability – Non-flammable
Stability – Stable
Special - None



D-028213-007-A

Acronyms

NTP	National Toxicology Program	IARC	International Agency for Research on Cancer
OSHA	Occupational Safety and Health Administration	CPSC	Consumer Product Safety Commission
TSCA	Toxic Substances Control Act	DSL	Domestic Substances List

Prepared / Revised By: Sunshine Makers, Inc., Regulatory Department.
This SDS has been revised in the following sections: Revised SDS layout

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SDS Date: April, 2015

Safety Data Sheet

Per GHS Standard Format

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: ShockWave Concentrate No. 8310, No. 8311 (10oz. bottles) & No. 8310CA ShockWave California
General Use: Disinfectant, Virucide, Fungicide
Product Description: Disinfectant and Cleaner
Chemical Family: Quaternary ammonium chloride blend
EPA Registration Number: 61178-1-73884

Information on the Supplier of the Safety Data Sheet

Manufactured For:
Fiberlock Technologies, Inc.
150 Dascomb Road
Andover, MA 01810
P: 800-342-3755 F: 978-475-6205

Emergency Telephone Numbers:
CHEM TEL: (U.S.): 1-800-255-3924
(Outside the U.S.): 813-248-0585
Poison Control Center (Medical): 800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: **DANGER**

GHS Label Statements

Hazard Statements:
Causes severe skin burns and eye damage.
Harmful if swallowed.
Toxic to aquatic life.

GHS Classifications

Health:
Acute Toxicity (Oral), Category 5
Skin Corrosion, Category 1C
Eye Corrosion, Category 1
Environmental:
Acute Hazards to the Aquatic Environment, Category 1

PRECAUTIONARY STATEMENTS

Prevention: Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fumes, mist, vapors or spray. Avoid release to the environment. Wash hands thoroughly after handling. Keep out of reach of children.
Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse. Collect spillage.
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with all local, state, and federal regulations.

EMERGENCY OVERVIEW

Physical appearance: Blue liquid
Immediate concerns: Causes irreversible eye damage and skin burns.

POTENTIAL HEALTH EFFECTS

Eyes: Corrosive, contact causes severe eye burns.
Skin: Contact causes severe skin irritation and possible burns.
Skin absorption: Harmful if absorbed through skin.
Ingestion: Harmful if swallowed.
Inhalation: Mist is irritating to nose, throat and lungs.

REPRODUCTIVE TOXICITY

Teratogenic effects: None known.

Carcinogenicity: None known.
Mutagenicity: None known.
Routes of entry: Eye, skin, ingestion.
Warning caution labels: Corrosive
Physical hazards: None expected.

SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight, %
N-Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18)	68391-01-5	2.37
N-Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	68956-79-6	2.37
Tetrasodium Ethylenediamine Tetraacetate	64-02-8	0-5
Sodium Carbonate	497-19-8	0-5
Secondary Ethoxylated Alcohol	84133-50-6	0-5
Fragrance	N/A	<1
Dye	N/A	<0.1
Water	7732-18-5	85-95

SECTION 4: FIRST AID MEASURES

Eyes
Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

Skin
Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

Inhalation
Remove victim to fresh air and monitor. Seek medical advice if irritation persists.

Ingestion
Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

Signs and Symptoms of Overexposure
Eyes: Severe burning sensation, damage marked by burns.
Skin: Burning sensation, redness.
Ingestion: Irritation of mouth, throat, along with stomach upset, vomiting.
Inhalation: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.
Acute toxicity: Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if swallowed.

Notes To Physician
Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable class: None
Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.
Explosion hazards: None
Fire-fighting procedures: Keep fire exposed containers cool with water stream or mist.
Hazardous decomposition products: Decomposition products may include: Carbon dioxide, carbon monoxide, nitrogen oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.
Large spill: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.
Environmental Precautions
Water spill: Avoid discharges into open waterways.
Land spill: Avoid discharge to soil.
Air spill: NA = Not Applicable

General procedures: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other noncombustible material and transfer to containers.
Release notes: Product is toxic to fish and aquatic invertebrates.
Special protective equipment: Eye protection, rubber gloves, rubber boots to protect feet.

SECTION 7: HANDLING AND STORAGE

General Procedures
Do not contaminate water, food, or feed by storage or disposal.

Handling
Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

Storage
Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, and water sources. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

Storage Temperature
Store at ambient temperatures.

Storage Pressure
Store at ambient atmospheric pressure.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Use in well ventilated area.
Personal Protective Equipment
Eyes and face: Chemical splash goggles.
Skin: Rubber or other chemical resistant gloves.
Respiratory: A respirator is not needed under normal and intended conditions of product use.
Work hygienic practices: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Odor: Clean & Fresh
Odor threshold: Not Established
Color: Blue
pH: 11.0-12.0
Percent volatile: >90
Flash point and method: None
Flammable limits: N/A
Autoignition temperature: NA = Not Applicable
Vapor pressure: > 20 mm Hg at 20°C (68°F)
Vapor density: ~ Air = 1

Boiling point: 212°F; 100°C
Freezing point: 32°F; 0°C
Thermal decomposition: Not Available
Solubility in water: Complete
Evaporation rate: (Water =1) 1.0
Density: 8.66 at 20°C (68°F)
Specific gravity: 1.038 grams/ml. at 20°C (68°F)
Viscosity: Water thin.
(VOC): None

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Stable

Conditions to Avoid
Not established

Incompatible Materials
Strong oxidizers

Hazardous Decomposition Products
None expected

Hazardous Polymerization
Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Chemical Name	*Oral LD_{50} (rat)*	*Dermal LD_{50} (rabbit)*	*Inhalation LC_{50} (rat)*
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	>1890 mg/kg (rat)	>2000 mg/kg (rabbit)	
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	>500 mg/kg (rat)	>2000 mg/kg (rabbit)	
Tetrasodium ethylenediamine tetraacetate	3030 mg/kg (rat)	>5000 mg/kg (rabbit)	
Sodium Carbonate	~4090 mg/kg (rat)	N/A	~5750 mg/l
Secondary Ethoxylated Alcohol	>412 mg/kg (rat)	>14000 mg/kg (rabbit)	1.06 mg/l (rat) Aerosol

Eyes: Corrosive
Dermal ld50: > 2000 mg/kg male and female rabbits.
Skin absorption: Not Established
Oral LD_{50}: > 1890 mg/kg Male and Female rats.
Inhalation LC_{50}: Not Established

Eye effects: Corrosive to eyes. Permanent damage may occur.
Skin effects: Corrosive to skin.
Carcinogenicity
IARC: No listed substance
Corrosivity: Corrosive
Neurotoxicity: No known significant effects or critical hazards.
Genetic effects: No known significant effects or critical hazards.
Reproductive effects: No known significant effects or critical hazards.
Target organs: No known significant effects or critical hazards.
Mutagenicity: No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

Environmental data: Not Established
Ecotoxicological information: This product is toxic to fish and aquatic invertebrates.
Aquatic toxicity (acute): Not Established
Chemical fate information: Not Established

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal method: Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at your local office, or the nearest EPA regional office for guidance.
For large spills: Consult with local and state authorities for large volume disposal.
Product disposal: Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.
Empty container: Triple rinse container promptly after emptying. Fill container 1/4 full with water and recap. Shake for 10 seconds. Drain and repeat. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities.

SECTION 14: TRANSPORT INFORMATION

DOT

Proper Shipping Name	Not Regulated
Placards	None
Label	None
U.S. Customs Harmonization #	3808.94.0000

IATA/ICAO

Shipping Name	Not Regulated

IMDG/IMO

Shipping Name	Not Regulated

SECTION 15: REGULATORY INFORMATION

United States
DOT label symbol and hazard classification

Sara Title III (Superfund Amendments and Reauthorization Act)
311/312 Hazard Categories: Health - Acute
Fire: No **Pressure Generating:** No **Reactivity:** No **Acute:** Yes **Chronic:** No
313 Reportable Ingredients: No listed substance

302/304 Emergency Planning
Emergency Plan: No listed substance

TSCA (Toxic Substance Control Act)
TSCA Regulatory: All ingredients are listed on the TSCA Chemical Inventory.

States with Special Requirements:	**Chemical**	**Name Requirements**
	Sodium Carbonate	Pennsylvania Right To Know Substance
		New Jersey Right To Know Substance

California Proposition 65: No listed substance
Carcinogen: No listed substance
FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act): Regulated

SECTION 16: OTHER INFORMATION

NFPA	Health Hazards 3	Flammability 0	Instability 0	Special Hazard
HMIS	Health Hazards 3	Flammability 0	Physical Hazard 0	Personal Protection D

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD (5323) or log on to: www.epa.gov/lead

Manufacturer Disclaimer: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.

TSP

Trisodium Phosphate

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

MANUFACTURER: Griffin Bros., Inc..
P.O. Box 7719
Salem, OR 97303

INFORMATION: (800) 456-4743

EMERGENCY PHONE: **CHEMTREC:** (800) 424-9300

PRODUCT NAME: Trisodium Phosphate

PRODUCT NUMBER: G-531

DATE PREPARED: 03/03/2015

LAST REVISION: 07/18/2015

Uses: Substance used as such, in formulation or in formulation of products for : Detergent, Treatment of textils and leather, Metal treatment, Water treatment, Formulation Fertilizer , Laboratory chemicals, Ceramics, Dyes etc.

PURE: ☐ LIQUID: ☐

MIXTURE: ☒ SOLID: ☒

2. HAZARDOUS IDENTIFICATION:

EMERGENCY OVERVIEW: Corrosive

GHS CLASSIFICATION: Skin: (Category 2), Eyes: (Category2A), STOT – Single Exposure (Category 3) Respiratory

GHS Label elements, including precautionary statements

SIGNAL WORD: **Warning** **PICTOGRAM:**

HAZARD STATEMENT(S):

H315: Causes skin irritation
H319: Causes serious eye irritation
H335: May cause respiratory irritation

PRECAUTIONARY STATEMENT(S):

P261: Avoid breathing spray, mist, fume, gas, dust, vapours
P280: Wear protective gloves, protective clothing, eye protection, face protection
P302+P352: IF ON SKIN: Wash with plenty of hands, forearms and face
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P332+P313: IF SKIN irritation occurs: Get medical advice/attention
P337+P313: IF EYE irritation persists: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Wt. Range %
TRISODIUM PHOSPHATE	10101-89-0	>= 98.5
Balance of formula is Proprietary Non-hazardous materials	- -	Balance

4. FIRST AID MEASURES:

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Give victim lots of water or milk. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

SKIN CONTACT: Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.

AGGRAVATED MEDICAL CONDITIONS: Pre-existing eye, skin or respiratory conditions.

SUPPLEMENTAL HEALTH INFORMATION: The effects of long-term, low-level exposure to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposures.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES:

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

COMBUSTION PRODUCTS: None known.

6. ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Pick up and arrange disposal without creating dust. Sweep up and shovel. DO NOT add water to spilled material. DO NOT use floor sweeping compounds to clean up spills. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not handle until all safety precautions have been read and understood. Do not allow product to get wet. If liner is present, tie after each use. Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Wear personal protection as required per safety program. Follow all SDS/label precautions even after container is emptied because it may retain product residues.

OTHER PRECAUTIONS: For industrial and institutional use only. Keep away from children. Keep containers closed while not in use.

8. EXPOSURE CONTROL/PERSONAL PROTECTION:

EXPOSURE CONTROLS:

	OSHA PEL		ACGIH TLV	
Chemical Name	**TWA**	**STEL**	**TWA**	**STEL**
TRISODIUM PHOSPHATE	Respirable: 5 mg/m³. Inhalable: 15mg/m³		Respirable: 3 mg/m³. Inhalable: 10 mg/m³	

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use respiratory protection mask according to NIOSH/MSHA. Respiratory protection programs must comply with 29 CFR 1910.134.

VENTILATION: Local exhaust sufficient to keep exposure below TLV.

WORK/HYGENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

EYE PROTECTION: Use chemical safety goggles and/or full face shield when splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas

PROTECTIVE GLOVES: Rubber, Neoprene, Nitrile, Polyvinyl chloride (PVC), Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

OTHER PROTECTIVE EQUIP: Boots, apron, lab coat or coveralls of impervious material, as appropriate to avoid skin contact.

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eye wash facility and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES:

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

a) Appearance: White granular powder	**k) Vapor pressure (mm/hg):** No data available
b) Odor: Odorless	**l) Vapor density (Air = 1):** No data available
d) pH: 11.7 - 12.5 at 50 g/l at 20 °C (68 °F)	**m) Relative density (Specific Gravity):** Not applicable
e) Melting point/freezing point: No data available	**n) Water solubility:** 21g / 100g saturated solution @ 25 °C
f) Initial boiling point and boiling range: Not applicable	**p) Auto-ignition temperature:** n/a
g) Flash point: n/a **Method Used:** n/a	**r) Viscosity:** n/a
h) Evaporation rate: No data available	**-) Pounds Per Gallon:** Not applicable
j) Upper/lower flammability or explosive limits: UEL: n/a **LEL:** n/a	**OTHER:** No other data is available for this product. . . . .

10. STABILITY AND REACTIVITY:

STABLE: Stable under recommended storage conditions.

INCOMPATIBILITY: Take care when using on aluminum.This material could be corrosive to aluminum surfaces because of the high pH.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: oxides of carbon

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: Do not get water/moisture inside container, product is hygroscopic. Avoid contact with incompatible materials.

11. TOXICOLOGICAL INFORMATION:

Laboratory data

Data from ICL Performance LP single-dose (acute) animal studies with this material are given below:

ORAL – RAT LD50: 6,500 mg/kg; practically non-toxic

DERMAL – RABBIT LD50: > 7940 mgt/kg; practically non-toxic

EYE IRRITATION – RABBIT (4-HR EXP.): corrosive

SKIN IRRITATION – RABBIT: 3.3 / 8.0; moderately irritating

The anhydrous form of this material produced no mutagenic effects in standard assays using fruit flies.

This material has been defined as a hazardous chemical under criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

12. ECOLOGICAL INFORMATION:

The following data have been classified using criteria adopted by the European Economic Community (ECC) for aquatic organism toxicity.

INVERTEBRATE: 48-hr EC50 Daphnia magna: >1000 mg/L; Practically Non-toxic

WARMWATER FISH: 96-hr LC50 Bluegill sunfish: 440 mg/L; Practically Non-toxic

COLDWATER FISH: 96-hr LC50 Rainbow Trout: 260 mg/L; Practically Non-toxic

13. DISPOSAL CONSIDERATIONS:

This material when discarded in pure form is not a hazardous waste as defined by 40 CFR 261, the Resource Conservation and Recovery Act (RCRA). Dry materials may be landfilled or recycled in accordance with local, state, and federal regulations. If materials have become contaminated with other substances, dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION:

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	-	Non-Regulated Material, Solid	-	-

ERG No.: N/A

15. REGULATORY INFORMATION: No data available

16. OTHER INFORMATION:

HMIS INFORMATION: HEALTH: 1 FLAMMABILITY: 0 PHYSICAL HAZARD: 0 PROTECTIVE: B
NFPA INFORMATION: TOXICITY: 1 FIRE: 0 REACTIVITY: 0 SPECIAL: N

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SAFETY DATA SHEET
WD40 AEROSOL

According to Regulation (EC) No 1907/2006

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: WD40 AEROSOL

APPLICATION: Anti-squeak. Moisture repellant. Releasing agent

SUPPLIER:
WD40 Company Limited
PO Box 440
Kiln Farm
Milton Keynes
MK11 3LF
Tel: 01908 555400
Fax: 01908 266900
info@wd40.co.uk

EMERGENCY TELEPHONE: 00 44 1908 555 400 (08.00 - 16.30)

2 HAZARDS IDENTIFICATION

Flammable. Repeated exposure may cause skin dryness or cracking.

CLASSIFICATION: R10, R66.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

HUMAN HEALTH

See section 11 for additional information on health hazards. This substance has no evidence of carcinogenic properties.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CARBON DIOXIDE	204-696-9	124-38-9	1-5%	-
PETROLEUM DISTILLATE	265-150-3	64742-48-9	60-80%	Xn;R65. R10,R66.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Foam. Water spray, fog or mist. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Avoid water in straight hose stream; will scatter and spread fire.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

SPECIFIC HAZARDS

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb with inert, damp, non-combustible material, then flush area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes. Wash hands after handling.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
CARBON DIOXIDE			Asphyxiating		Asphyxiating

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES

Provide adequate ventilation.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid Aerosol
COLOUR	Light (or pale) Amber
ODOUR	Characteristic
SOLUBILITY	Insoluble in water

RELATIVE DENSITY	0.817 @ 21°C	VAPOUR DENSITY (air=1)	> 1
VAPOUR PRESSURE	95-105 psi @ 21°C	VOLATILE BY VOL. (%)	57%
FLASH POINT (°C)	44°C TOC (Tag open cup).	FLAMMABILITY LIMIT - LOWER(%)	0.6%
FLAMMABILITY LIMIT - UPPER(%)	8.0%		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO2) are formed.

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapours may cause headache, fatigue, dizziness and nausea.

SKIN CONTACT

Repeated exposure may cause skin dryness or cracking.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

Other Health Effects

This substance has no evidence of carcinogenic properties.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains substances which contribute to global warming (greenhouse effect).

BIOACCUMULATION

The product contains potentially bioaccumulating substances.

DEGRADABILITY

The product is easily biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Recover and reclaim or recycle, if practical.

14 TRANSPORT INFORMATION

UK ROAD CLASS	2.1		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	#
ADR CLASS NO.	2.1	ADR CLASS	Class 2: Gases
ADR PACK GROUP	#	ADR LABEL NO.	2.1
CEFIC TEC(R) NO.	20G5F	RID CLASS NO.	2.1
RID PACK GROUP	#	UN NO. SEA	1950
IMDG CLASS	2.1	IMDG PACK GR.	#
EMS	F-D, S-U	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1950
AIR CLASS	2.1	AIR PACK GR.	#

15 REGULATORY INFORMATION

CONTAINS PETROLEUM DISTILLATE

RISK PHRASES

R10	Flammable.
R66	Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASES

S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
A1	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2	Do not spray on a naked flame or any incandescent material.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Re-issued in accordance with Regulation (EC) No. 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

REVISION DATE 09-2007

REV. NO./REPL. SDS GENERATED 3 / 02-2007

RISK PHRASES IN FULL

NC	Not classified.
R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. ,

TAB 14 - Equipment

A100 Sampling Pump

This low-maintenance pump meets all OSHA and AHERA standards for air sampling safety. At less than 10 lbs, it is lightweight and easy to use. The rotary, oil-less, carbon vane pump has only one moving part for continuous draw and low maintenance, It has an adjustable regulator with a locked-in operating range of 3-20 lpm. The pump is complete with an adjustable aluminum tripod, five feet of vinyl tubing, inline filters, muffler jars, feet, handle and power cord with switch.

Small Capacity Compressors For Pressure Demand Respirators

HP-4 Compressor

- Rotary vane air compressor—rated for continuous duty with one major moving part.
- 8-16 CFM with a pressure range of 80-110 PSI output.
- 115 VAC/60 Hz.—19.2 amps
- Noise level below 70 dba at 3 feet

BDX-II Air Sampling Pump

The Gilian BDX-II is an economical air sampling pump designed specifically for abatement and lead applications. It is a compact and rugged air sampling pump optimized for sample methods between 500 cc/min and 3000 cc/min. The BDX-II is powered by a rechargeable NiCd battery that provides up to 10 hours of operation on a single charge.

- 500-3000 cc/min
- Anti-tamper control covers
- Sealed internal components
- Rechargeable battery pack
- Easy calibration
- UL approved for operation in hazardous areas

Pullman-Holt Model 45 Dry HEPA Vacuums

Equipped with a powerful 2-hp motor and an extra large capacity HEPA filter system, the model 45 offers the air flow efficiency of vacuums costing three times as much. The model 45 is manufactured to the same high standards as our large, so it will withstand years of hard use.

Features:

- High efficiency 'Drop-in' style HEPA filter individually certified to have a minimum efficiency of 99.97% at .3 microns (based on 1EST-RP-CC007 particle count test method).
- Includes Pullman-Holt's exclusive 'never-clog' dacron bag for superior pre filtration.
- Blow molded poly canister with low center of gravity design prevents tipping
- Positive locking, full swivel hose connection system for easy handling and operation.
- Low noise allow for use in sound sensitive areas.
- Includes complete set of tools.
- 25 foot power cord.
- 3 labels to choose from: HEPA, Asbestos and Lead.

Tool Kit: 45 dry only

- 10 ft. x 1.5 in. crush-proof hose
- 5 ft. two-piece metal wand
- 17in. crevice tool
- Floor brush tool
- Round dusting brush

Model:	Style:	Amps:	Water Lift:	CFM:	Capacity:	Shipping Wt:	Product Code:
45HEPA-D	dry	10	105	110	10 gallon	33	B160414

Pullman-Holt Model 86ASB Vacuums

The model 86ASB5D4C is designed to work in tight areas, on scaffolding or any job site where a rugged steel compact vacuum is required. Easy to carry and transport.

Features:

- Air seal gasket between the motorhead and tanks forms a positive lock fit.
- Heavy gauge steel tank with powder coated finish.
- High efficiency 'Drop-in' style HEPA filter individually certified to have a minimum efficiency of 99.97% at .3 microns (based on 1EST-RP-CC007 particle count test method).
- A Dacron filter bag covers the entire spacer sleeve and HEPA filter for three-stage filtration; Dacron material sheds dust to maintain maximum vacuum efficiency.
- Includes complete set of tools.
- 25 ft. power cord.

Tool Kit:

- 10 ft. x 1.5 in. crushproof hose
- 5 ft. two-piece metal wand
- ABS floor brush tool
- ABS floor squeegee tool
- Round dusting brush
- Crevice tool

Model:	Style:	HP:	Water Lift:	CFM:	Recovery:	Shipping Wt:	Product Code:
86ASB5D4C	dry	1	85	96	.75 bu	38	B160419

Pullman-Holt Model 30ASB Backpack HEPA Vacuum

The ideal asbestos HEPA vacuum for elevated and hard-to-reach areas.
Excellent for sampling and glove bag work.

Features:

- Air seal gasket between the motorhead and tanks forms a positive lock fit.
- High efficiency 'Drop-in' style HEPA filter individually certified to have a minimum efficiency of 99.97% at .3 microns (based on 1EST-RP-CC007 particle count test method).
- Includes complete set of tools.
- Top fill design allows for maximum capacity.
- 50' power cord on 30ASB.

OMNITEC DESIGN, INC.

Omni*Force II*

Omnitec Design, Manufacturing Air Purification Equipment Since 1988

Air scrubber for removal of toxic mold, asbestos and lead dust during renovation and abatement projects. Accessories include HEPA filter, activated carbon filters and germicidal UV-C light for removal of asbestos, lead, chemical fumes and biological contaminants. Provides cleaner and healthier environment at construction/renovation projects and industrial facilities.

Omni*Force II*

SPECIFICATIONS

Net Weight With Filters ..... 95 lbs.
Dimensions (LxWxH) ..... 32”x18”x28”
Operating Speeds ..... Variable
Airflow Ratings (cfm)* ..... 200 to 1900
Filtration Stages ..... 3 to 5
HEPA Filter 99.97%, 0.3µ ..... Yes
Cabinetry..... Aluminum, silicone sealed before riveting
Exhaust Collar Diameter ..... 14”
Carrying Handles w/Rubber Grips 2
3” Casters ..... 4 Swivel
Recessed Controls ..... Yes
Motor With Thermal Overload ..... 1 hp
Circuit Requirements (Volts/Hz) 115V/60Hz
Maximum Operating Amps ..... 12.0 amps
Pressure Gauge ..... 0-5” W.C.

*Airflows based on blower manufacturer curves. Different HEPA filters may cause the flow to vary.

ORDERING INFO.....PART

Omni*Force II*	OF100V
HEPA Filter 99.97%, 0.3µ	OFH12
Primary/Secondary Filter (qty 20)	OFP2518
Intake Manifold, 14”	OFM14
Quick Clamp, 14”	QCW14
Flexible Duct, 14”x25’	OFD14
Carbon Vapor Trap Filter	OCVT18
OdorGuard 600 Carbon Filter	OG2116

The Omni*Force II* is easily transported in two pieces. Use with HEPA or Carbon Vapor Trap Filter.

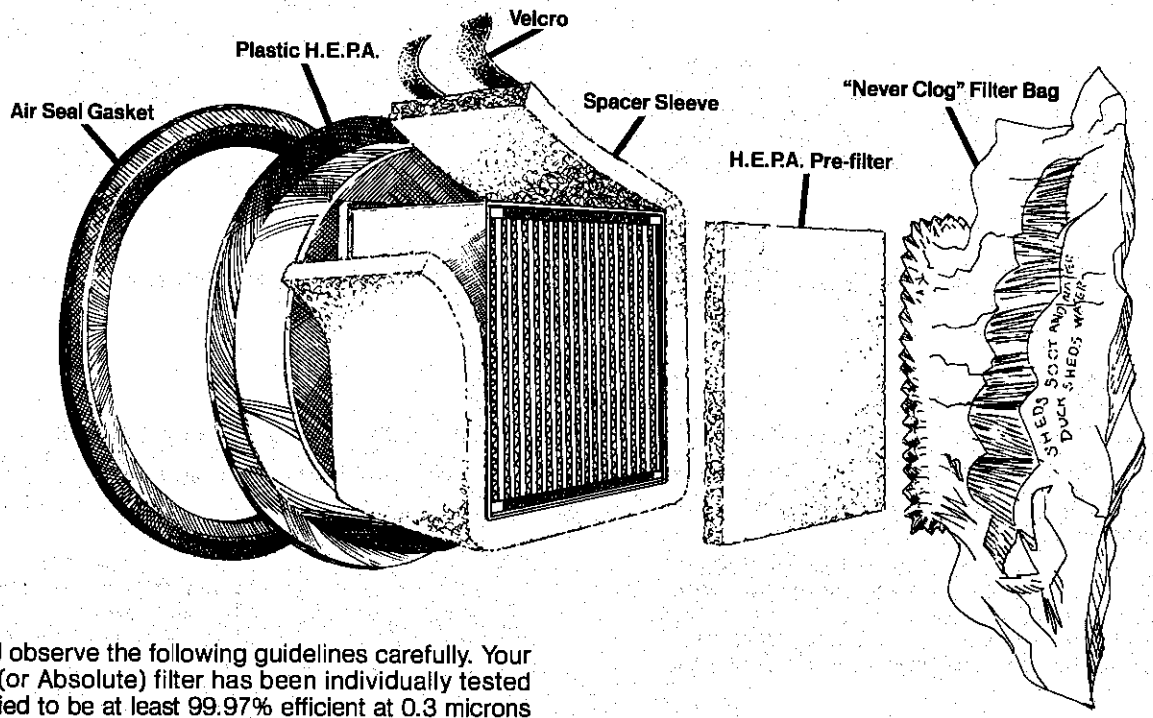
INTERTEK ETL LISTED C US
3067108

CONFORMS TO UL STD 507
CERTIFIED TO CAN/CSA STD C22.2 NO. 113-M1984

www.omnitecdesign.com
2125 196th Street SW, Suite 115, Lynnwood, WA 98036
phone 425-774-3257 fax 425-774-4983

OPERATIONS AND CARE INSTRUCTIONS

H.E.P.A. Filter System



Read and observe the following guidelines carefully. Your H.E.P.A. (or Absolute) filter has been individually tested and certified to be at least 99.97% efficient at 0.3 microns (D.O.P. method). Proper application and care is required to prevent damage and insure maximum efficiency and longer filter life.

NOTE: Using replacement H.E.P.A. filters other than factory replacement filters supplied by Pullman/Holt will nullify all warranties, specific or implied. Filter components which have lost efficiency due to physical damage or clogging are not covered by warranty.

Air Seal Gasket:

If the air seal gasket is cut or otherwise damaged, resulting in air leakage, simply remove it from the filter flange and replace with a new gasket.

H.E.P.A. Filter:

This is the final filtration stage. The filter Media (white filter paper) is fragile and easily damaged. Care is therefore necessary during handling and use to prevent damage. A H.E.P.A. filter which shows evidence of physical damage to the white media or corrugated separators will probably no longer perform at the originally certified efficiency.

No maintenance is required other than frequent changing of the prefilters. A clogged H.E.P.A. filter cannot be cleaned. It must be replaced.

IMPORTANT: On vacuums not equipped with a manometer, H.E.P.A. filter replacement is indicated by checking the top surface of the filter media for discoloration. A good filter will be chalk white. Under normal operating conditions and with proper care, a H.E.P.A. filter should have a useful life of several hundred hours.

Polyester Prefilter:

A polyester prefilter about one inch (1") thick is attached to the inlet (bottom) surface of each H.E.P.A. filter with velcro strips. Its function is to provide final protection to the H.E.P.A. filter from premature failure due to clogging. Frequent changing of this filter will prolong H.E.P.A. life. Be sure the replacement prefilter completely covers the H.E.P.A. filter inlet.

Dacron "Never Clog" Filter Bag: ***(Used on Wet/Dry Vac Models Only)***

Some H.E.P.A. filter equipped vacuums are supplied with a white "Never Clog" filter bag surrounding the H.E.P.A. filter barrel. A one inch (1") thick spacer sleeve is also supplied with these vacuums and is secured to the H.E.P.A. filter barrel with two velcro strips. The purpose of the sleeve is to space the dacron bag away from the H.E.P.A. filter barrel to utilize the full area of the dacron bag in wet pick-up applications. **NEVER USE THE DACRON BAG WITHOUT A SPACER SLEEVE.** This will result in clogging of the small area of the dacron bag contracting the bottom of the H.E.P.A. filter, rapid loss of vacuum efficiency, and possible rupture of the H.E.P.A. filter. The dacron filter bag should be changed frequently and can be washed in laundry detergent and warm water.

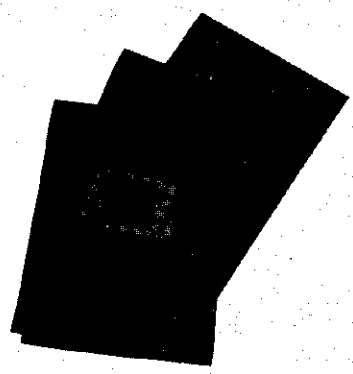
WARNING: [illegible]

Disposable Paper Collector Bag For Dry Pick-Up:

This is the primary (or first) filter in a dry pick-up system. It is assembled to the vacuum inlet inside the can by grasping the cardboard tabs on the bag and pushing the rubber closure all the way over the inlet until the bag is in contact with the inside can surface. DO NOT OVERFILL. The need for a bag change is usually indicated by a reduction in vacuum performance. Replacement paper bags are available from your distributor.

IMPORTANT: A properly labeled 6 mil poly bag must be used to contain the full paper bag for disposal in accordance with local and federal E.P.A. regulations. Do not attempt to use a poly bag inside the vacuum can except in the 102ASB top fill unit, instructions for which are found on the can and in the owner's manual for that model.

Poly Disposal Bag



Disposable Paper Bag

WARNING:

All persons engaged in, or in the immediate vicinity of, asbestos removal operations are required to observe all applicable sections of O.S.H.A. regulation 1910-1001, as amended in the Federal Register. Also observe all applicable state and federal E.P.A. regulations.

Use extreme caution when removing vacuum equipment from the work site for transportation and/or storage. Surfaces of the pick-up tools, wand, hose, and cannister may remain contaminated with fine asbestos particles. It is RECOMMENDED that used equipment be enclosed in a sealed poly bag prior to removal from the work site. Thorough washing with water will reduce the amount of dust retained on the equipment. Be sure the tools, wands, etc., are thoroughly dried before storage. Dispose of contaminated water properly.

All dry pick-up operations of fine, dry powder (such as asbestos) require the use of a disposable paper bag attached to the can inlet inside the can to provide primary filtration. DO NOT ATTEMPT DRY POWDER PICK-UP WITHOUT A PAPER BAG.

B527469
PH88-112
Printed in USA 1/89 RP

FILTERS
The FA2000EC is equipped with 3 filters. The use and specifications are listed below:

PRIMARY OR FIRST STAGE FILTER
Removes large particles up to 10 microns and larger, thereby preventing the premature loading of the secondary and the HEPA filters. The primary filter (see fig 2), depending on use, should be changed 2-4 times a day. Proper disposal of filters is explained later in this manual.

SECONDARY OF SECOND STAGE FILTER
Removes particles up to 1 micron and larger from the air (typically 30% efficient @ 1 micron particles), thereby protecting the more expensive, HEPA filter. The primary filter (see fig 2), depending on use, should be changed once daily or more if deemed necessary.

HEPA OR FINAL FILTERS
Filters the smaller size asbestos fibers from the air flowing through the unit and has an efficiency rating of 99.97% in removing 0.3 micron particles. Depending on use, the HEPA filter should be changed every 700 hours per EPA recommendations, although longer service lives have been attained.

MOTOR/FAN ASSEMBLY
The FA2000EC is equipped with a powerful 2 speed, 1.75 HP motor. The motor powers a Centrifugal style fan which pulls contaminated air through a clean set of filters at a static pressure drop of 1.0 on low speed, 1.9 on high of water column (w.c.) as measured by the units pressure gauge with no attachments (manifolds, flexduct, etc.).

ELECTRICAL REQUIREMENTS
1. All electrical equipment used on the job should be properly grounded. Check outlets, wiring, extension cords, and the ground pins on the plugs.
2. Do not run electrical cords across floors. They should be elevated to keep them away from water and accidental damage. Never drape cords over doors or shelves. When securing cords always use tape.
3. The FA2000EC requires a heavy duty industrial grade 12-3 wire cord of heavier. Check the cord before each use to be sure the cord is in good condition and in continuous length (no splicing) and should not exceed 100ft. in length.

This is done to prevent re-contamination of the area after final clean up.

SPECIFICATIONS

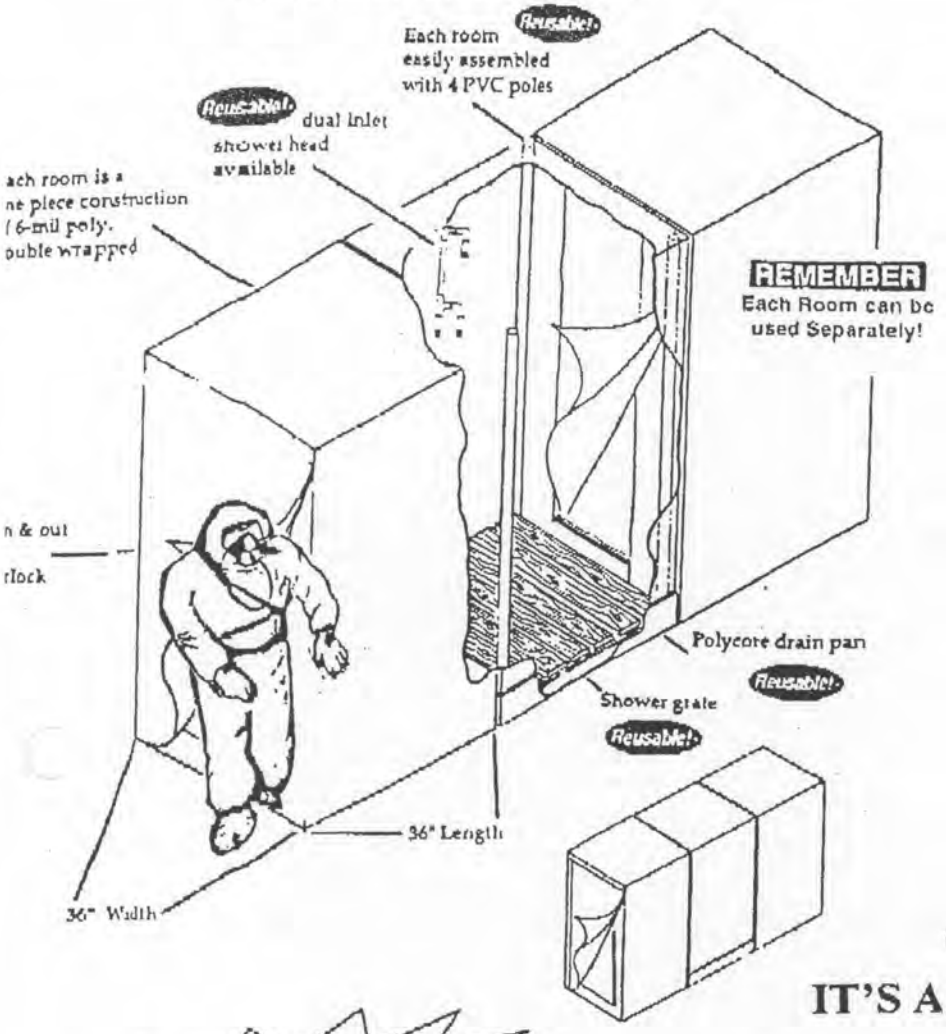
Dimensions – 37" Length
36.5" Width
33" Height
Weight (including filters) – 160 pounds
Material and construction – 0.80 aluminum
Power Supply – 115 V 20 amp circuit
Motor – 1.75 HP
60 HZ

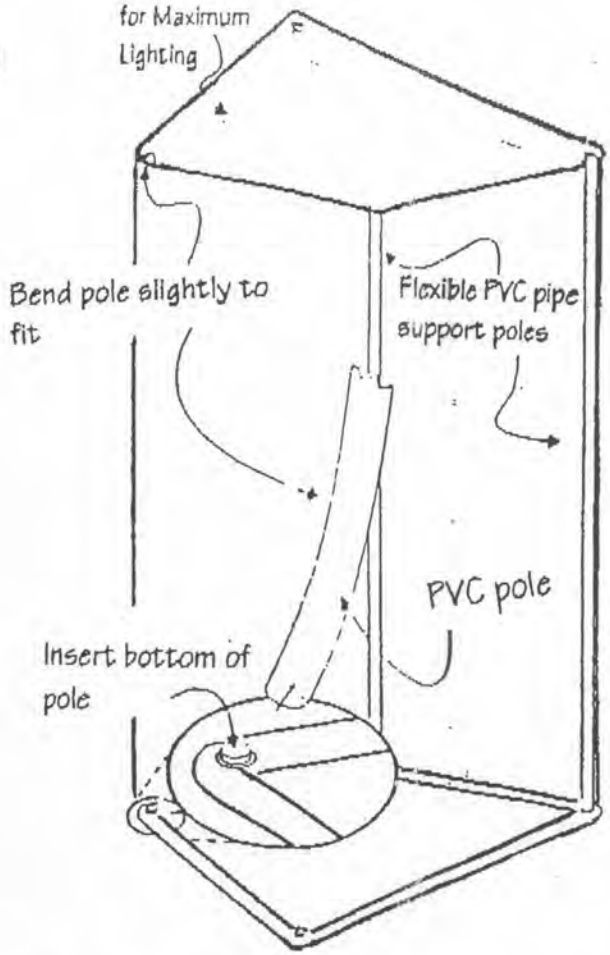
Filters – Primary (First Stage) 24" x 24" x ½"
Secondary (Second Stage) 24" x 24" x 1" 3 ply
Ring Panel
HEPA (High Efficiency Particulate Air) 24" x 24" x 11.5"
99.97% Efficiency to 0.3 microns

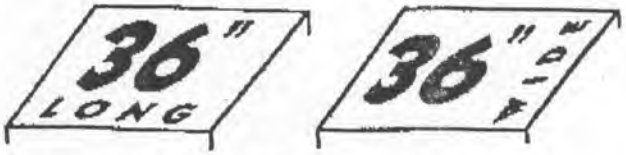
STAND UP POLES 76 ½"

)U MAY HAVE SOME POLES IN STOCK THAT YOU USE WITH YOUR OTHER DECONS.

THE ULTIMATE DECON OF TODAY!







IT'S A 36" X 36" EACH ROOM

WHITE POLY 6 MIL DOUBLE WRAP

PVC FRAME TOP & BOTTOM

LARGE 34" X 34" SKYLIGHT

EACH ROOM HAS "L" CUT AIRLOCKS (ENTRANCE AND EXIT)

Brand New Design!!!

DSM DECON SYSTEMS MFG.
511 Townsend Place
Oklahoma City, OK 73115

Phone: (405) 670-2282 Toll Free: 1-800-722-7981 Fax: (405) 670-1462

All pricing is F.O.B. Decon Systems Manufacturing, Oklahoma City, OK. All freight will be shipped freight collect unless you have a Prepay and Add ount Terms — Net 30 days on approved credit. NO SHIPMENT will be made on delinquent accounts. Prices subject to change without notice

3 Room Decon - #9001

DSM

BULL 1250
Dust Collection System

- Over 62 sq/ft of filter area
- Quiet - only 75 dB
- Secondary HEPA filtration
- Manual filter shaker system which is extremely durable, dependable and easy to use
- 8.5 HP regenerative motor
- Soft start
- Oversize dust bin - uses heavy mil plastic bags for easy emptying (sold seperately)
- Includes 50’ of 3” hose and 100’ of heavy duty power cord
- Constructed of 14 gauge steel for longevity in industrial use

For use with the SASE PDG 8000, PDG 6000, and all other industry 32” diamond grinders.

Distribution Box

Allows the use of one continuous power cord. Simply plug your diamond grinder into the vacuum and the vacuum into the power source.

Technical Data

Item Number:	VAC.BULL1250.220.SS VAC.BULL1250.440.SS
Price:	Call for Quote
Power Option 1:	230 Volt, 3 Ø
Power Option 2:	460 Volt, 3 Ø
Air Flow:	388 CFM
Weight:	570 lbs

Inhalation of concrete dust can cause silicosis. As an additional safety precaution, SASE recommends you wear a NIOSH approved particulate respirator.

Products manufactured and marketed by SASE Company are protected by patents issued or pending in the United States and other countries.
SASE Company reserves the right to change the specifications referred to in this literature at any time, without prior notice.

rev: 07.2012
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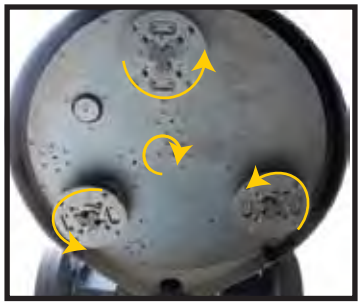
SASE Company, Inc
800.522.2606
www.SASECompany.com
sales@SASECompany.com

PDG 8000
Planetary Diamond Grinder

- Powerful 20 HP motor
- Perfectly balanced
- Built for low maintenance
- Sleek, ergonomic design
- Operator Friendly Control Panel
- Standard feature - Flexible Grinding Heads
- Includes both QCS and flex plates
- Connects to SASE BULL 1250 dust extractor for dust-free operation
- Includes two 50 lb removable weights and will accept up to four 50 lb weights
  (additional weights sold separately)



Counter-rotating heads for planetary grinding that contours to the surface.

Technical Data

Item Number:	PDG8000.01 230 Volt PDG8000.03 460 Volt PDG8000.02 380 Volt (European)
Price:	Call for Quote
RPM:	Variable Speed 600 - 1750
Motor Output:	15 kw, 20 HP
Required Circuit:	3Ø, 230 V, 60 Amp 3Ø, 460 V, 40 Amp 3Ø, 380 V, 40 Amp *Only for European machines
Grinding Width:	30” Grinding Path
Grinding Pressure:	660 to 760 lbs
Weight:	1,189 lbs*

** 1,089 lbs w/o the two removeable 50 lb weights*

SASE Company, Inc
800.522.2606
www.SASECompany.com
sales@SASECompany.com

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BULL PRESEPARATOR

Dust Collection System

Captures up to 80% of particles prior to traveling on to the dust extractor.

- When used with the Bull 1250, it becomes a 3-stage filtration system.
- Connects between the grinder and the vac to add a third stage in the filtration process
- Cyclonic action traps up to 80% of dust particules before they reach the dust extractor's filters
- Extends the dust extractor filter life
- Uses the SASE Elongated Bag
- Minimizes down time to clean the filters and remove the dust for increased productivity
- Low to ground hose connections to prevent the unit from tipping over
- Includes 10’ of 3” flexible, yellow hose
  (Item Number: VAC.HS3.00060)
- One SASE Elongated Bag is included

Technical Data

Item Number:	NWA.10100
Price:	Call for Quote
Required Circuit:	No Power Required
Air Flow:	Does not reduce air flow
Weight:	159 lbs

Inhalation of concrete dust can cause silicosis. As an additional safety precaution, SASE recommends you wear a NIOSH approved particulate respirator.

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rev: 04.2014

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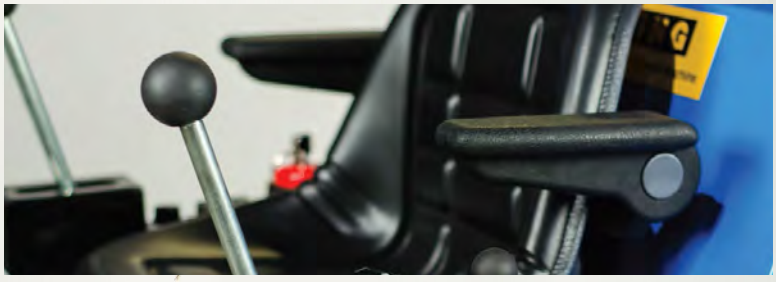
800.522.2606
www.SASECompany.com
sales@SASECompany.com

T3000 EI

RIDE ON FLOOR SCRAPER

D-028319-001-A

THE MOST PRODUCTIVE BATTERY RIDE-ON FLOOR SCRAPER ON THE MARKET



TECHNICAL SPECS

Type	Terminator EI
Part Number	T3000 EI
Battery	48VDC 415AH
Working Width	Up to 26" (66cm)
Length	66" (168cm)
Width	27" (69cm)
Height	47" (120cm)
Standard Weight [1]	2784lbs (1263kg)
Maximum Weight [2]	4100lbs (1860kg)
Extra Weight Pack [3]	1250lbs (547kg)

1. Standard weight configuration is the unit as shipped with 360lbs (163kg) is removable. Does not include operator or blade holder.
2. Maximum weight includes 16 side weights, 6 additional rear weights, and 26" (66cm) blade holder with debris scoop. Does not include operator.
3. Extra weight pack must be purchased separately. 16 side weights, 6 rear weights and rear weight holder.

FEATURES

- Redesigned frame
- Sleek, low-profile
- Extremely high removal rates
- Up to 80-90% of coverings removed on first pass
- Fits through any standard doorway or elevator
- Zero emissions
- Limited maintenance
- Zero memory batteries
- Forklift channels for quick and easy battery maintenance

PERFORMANCE RATES

- Carpet: Up to 3500 sq. ft. / hour
- VCT/VAT: Up to 3500 sq. ft. / hour
- Sheet Vinyl: Up to 3500 sq. ft. / hour
- Glue Down Hardwood: Up to 2000 sq. ft. / hour
- Elastomeric Coatings: Up to 2400 sq. ft. / hour
- Ceramic Tile: Up to 1900 sq. ft. / hour

Dependent on job conditions

Innovatech™
BARTELL GLOBAL

TAB 15 - Waste Manifest

TAB 16 - Lock Out / Tag Out

LOCKOUT / TAGOUT PROCEDURE

SCOPE:

This standard covers the servicing and maintenance of machines and equipment in which the unexpected energization or start up of machines or equipment, or release of stored energy could cause injury to employees. This standard establishes a minimum performance requirement for the control of such hazardous energy.

APPLICATION:

This standard applies to the control of energy during servicing and/or maintenance of machines and equipment. Servicing and/or maintenance which takes place during normal production operations is covered by this standard only if:

1. An employee is required to remove or bypass a guard or safety device.

2. An employee is required to place any part of his/her body into an area on a machine or a piece of equipment where work is actually performed upon the material being processed (Point of Operation or where an associated danger zone exists during a machine cycle.)

Note: Exception to the above are: minor tool changes and adjustments, and other minor servicing activities, which take place during normal production operations, and are not covered by this standard; if they are routine, repetitive, and integral to the use of the equipment for production, provided that the work is performed using alternative measures with effective protection.

PURPOSE:

The following lockout/tagout procedure has been adopted for the safety and welfare of 3 Kings Environmental, Inc. employees and equipment. If is desired and used to ensure that the machine or equipment are isolated from all potential hazardous energy, and locked out or tagged out before employees perform any servicing or maintenance activities where unexpected energization start-up or release of stored energy could cause injury. This includes electric, air, spring, hydraulic pressure, steam and chemical.

RESPONSIBILITY:

3 Kings Environmental, Inc. shall train appropriate employees in the safety significance of the lockout/tagout procedures. This will include all supervisors, maintenance personal, and production machine operators. Each new or transferred employee and other affected employees whose work operations are or may be in the area shall be instructed in the purpose and use of the lockout/tagout procedure.

3 Kings Environmental, Inc. shall conduct a periodic inspection of this procedure at least annually to insure that the procedure and requirements of this standard are followed.

PREPARATION:

3 Kings Environmental, Inc. shall make a survey to locate and identify all isolated devices to be certain which switch (switches), valve(s), or other energy isolating devices apply to the equipment to be locked out or tagged out. More than one energy source or type of energy source may be involved.

LOCATION:

A copy of 3 Kings Environmental, Inc. lockout/tagout procedures shall be kept at each machine control center (MCC). It shall include and identify that MCC's isolating device(s), type(s), and location(s). It shall be kept visible. A periodic inspection of this procedure shall be made annually. Any modifications to the MCC and/or its energy source will require a review and change if necessary to the procedure prior to start-up. Any changes in procedure will require training of the necessary personnel. A master copy of all MCC's will be kept on file in the Maintenance Department and by the Production Department. Under no circumstances shall this MCC copy of the lockout/tagout procedure be removed from the operation station.

GENERAL:

The intent of 3 Kings Environmental, Inc. lockout/tagout procedure is to provide a safe energy control procedure to ensure that before any employee performs any servicing or maintenance on a machine or equipment where the unexpected energizing, start up or release of stored energy could occur and cause injury, the machine or equipment shall be isolated and rendered inoperative.

If for any reason the 3 Kings Environmental, Inc. procedure for lockout/tagout is unclear or further definition is needed to insure the safety of all employees refer to EXHIBIT "A", OAR 437, DIVISION 2, General Occupation Safety and Health Rules. Copies of these rules will be kept on file with the maintenance and protection managers.

REVIEW AND/OR REVISION:

Upon reviewing a MCC lockout/tagout procedure and it is determined that a modification of the procedure must be made the procedure copy will be removed immediately. In its place shall be a warning that the existing lockout/tagout procedures are unsafe. The modification to the procedures shall be completed in the most expedient and thoroughly exercised way to ensure correctness. It may be deemed necessary for a MCC to be shut down temporarily until the revisions are modified and replaced. The warning sign is to be 8 12" x 11" and convey the following in highlighted and bold print:

DANGER

LOCKOUT/TAGOUT PROCEDURES ARE UNSAFE

DO NOT INITIATE A LOCKOUT/TAGOUT PROCEDURE WITHOUT PROPER AUTHORIZATION FROM THE Maintained SUPERVISOR.

Sequence of Lockout/Tagout Procedures:

1. Notify all affected employees that a lockout or tagout system is being utilized and the reason therefore. The authorized employee shall know the type and magnitude of the energy that the machine or equipment utilizes and understands the hazards thereof.

2. If the machine or equipment is operating, shut it down by the normal stopping procedure (stop button, toggle switch, etc.)

3. Operate the switch, valve, or other energy isolating device(s) so that the equipment is isolated from its power source(s). Stored energy (such as that is springs, elevated machine members, rotating flywheels, hydraulic systems, and air, gas, steam, or water pressure, etc.) must be dissipated or restrained by methods such as, repositioning, blocking, bleeding down, etc.

4. Lockout and/or tagout the energy isolating device(s) with an assigned individual lock(s) or tag(s).
5. After ensuring that no personnel are exposed, and as a check on having disconnected the energy source(s), operate the push button or normal operating controls to make certain the equipment will not operate.

CAUTION: Return operating controls to the "neutral" or "off" position after the test.

Locks and Tags:

1. It is 3 Kings Environmental, Inc. responsibility to supply all authorized personnel with the necessary locks, tags, chains, wedges, adaptable pins, self locking fasteners, and/or the times necessary to fabricate such items.

2. Lockout devices and tagout devices shall be singularly identified; shall be the only device(s) used for the controlling energy; shall not be used for other purposes; and shall meet the following requirements of EXHIBIT "A", OAR 437, DIVISION 2, General Occupation Safety and Health Rules, by being durable, standardized, substantial, and identifiable, whereas they indicate the identity of the employee applying the device(s).

3. Tagout devices shall warn against hazardous conditions if the machine or equipment is energized and shall include a legend such as the following: **DO NOT OPEN, DO NOT CLOSE, DO NOT ENERGIZE, and DO NOT OPERATE.** Attachment devices for tags shall be non reusable and have a minimum of a 50lb breaking strength.

4. Locks used to lockout machines or equipment shall have either a key or combination lock.

5. Duplicate keys used to lockout machines or equipment shall be kept on a master key system that is strictly controlled by 3 Kings Environmental, Inc. management, under lock and key.

Disciplinary Action:

Failure to conform to 3 KINGS ENVIRONMENTAL, INC. lockout/tagout procedures will result in the following disciplinary steps:

1. First offense- verbal warning

2. Second offense- written warning

3. Third offense- ___ suspension from work w/o pay

4. Fourth offense- termination of employment.

Each offense shall be reviewed by 3 Kings Environmental, Inc. management. If the offense is determined to warrant more severe discipline then 3 KINGS ENVIRONMENTAL, INC. management reserves the right to provide the necessary discipline concluding in termination of employment for any offense.

Procedure that Involves more than one Person:

In the preceding steps, if more than one individual is required to lockout or tagout equipment, each shall place his/her own personal lockout or tagout device on the energy isolating device(s). When as energy isolating device cannot accept multiple locks or tags, a multiple lockout or tagout device may be used which allows the use of multiple locks to secure it. Each employee will then use his/hers own lock(s) or tag(s) to secure the multiple lockout or tagout device. When work is completed and each person no longer needs to maintain his/her lockout/tagout protection, that person will remove his/her lock(s) or tag(s) from the multiple lockout/tagout device(s).

Restoring Machines or Equipment to Normal Production Operations:

1. After servicing and/or maintenance is complete and the equipment is ready for normal production operations, check the area around the machine or equipment to ensure that no one is exposed.

2. After all tools have been removed from the machine or equipment, guards have been reinstalled and all employees are in the clear, remove all lockout or tagout devices. Operate the energy isolating devices to restore energy to the machine.

3. When possible and/or practical, test run the machine to ensure proper operation.

4. If additional maintenance or service is required to de-energize all systems and reapply the sequence of lockout/tagout.

Basic Rules for using Lockout/Tagout Procedure:

1. All equipment shall be locked out or tagged out to protect against accidental or inadvertent operation when such operations could cause injury to personnel.

2. Do not attempt to operate any switch, valve or other isolating device where it is locked out or tagged out.

Special Conditions:

When the authorized employee who applied the lockout or tagout is not available to remove it, that device may be removed under the direction of the employer, provided that specific procedures for such removal are documented and followed and include at least the following steps:

1. Verify that the authorized employee who applied the device is not at the facility.
2. Make all reasonable efforts to contact the authorized employee to inform him/her that their lockout/tagout device has been removed.

3. Ensure that the authorized employee has this knowledge before he/she resumes work at the facility.

4. Complete the Safety Lock Removal Permit and attach a copy to the employee's time card.

5. An operations lock or tag can only be removed by an Operations Manager.

6. A maintenance lock or tag can only be removed by a Maintenance Manager or the General Manager

Outside Personnel (Contractors, Etc.):

1. When outside service personnel are to be engaged in the activities covered by the scope and application of this procedure, 3 Kings Environmental, Inc. and the outside service personnel shall inform each other of their respective lockout or tagout procedures.

2. 3 Kings Environmental, Inc. shall ensure that his/her personnel understand and comply with the restrictions and prohibitions of the outside contractors lockout or tagout procedures.

Training and Communication:
Training will be provided to ensure that the purpose and function of the Lockout/Tagout procedures are understood by employees and that the knowledge and skills required for safe application, usage, and removal of locks and/or tags are conveyed to employees. The training will include the following:

1. Each authorized employee will receive training in the recognition of applicable hazardous energy sources, the type and magnitude of the energy available in the work place, and the method and means necessary for energy isolation and controls.

2. Each affected employee will be instructed in the purpose and use of the lockout/tagout procedures.

3. All other employees whose work operations are or may be in an area where energy control procedures may be utilized will be instructed about the procedure, and about the prohibition relating to attempts to restart or reenergize equipment which is lockout or tagout.

4. Employee training and documentation will be kept up to date. Training documentation will be kept in each employee's file.

LOCKOUT/TAGOUT PROCEDURE

EMPLOYEE TRAINING

Employee: _____ Date: _____

Training Supervisor:
_____

Machine or equipment:
_____

_____

Type of Procedure: Lockout _____ and/or Tagout _____

Employee furnished with Lock _____ and/or Tagout _____

Employee's Lock and/or Tag are individually identifiable by:

_____
_____

Employee Acknowledgement of Training

I have read the company's Lockout/Tagout procedures and I have received training on the Lockout/Tagout procedures. I understand the company's Lockout/tagout procedure on which I was trained.

_____ _____
Employee's Signature Date

(This sheet is to be retained in the employee's file.)

SAFETY LOCK REMOVAL PERMIT

1. Lock # _____ Lock Owner _____

2. Equipment/device locked out
_____

3. Reason lock requires removal
_____

_____

4. Was owner of lock contacted? _____ By whom? _____

Date _____ Time
_____

5. Did the lock owner authorize removal of the lock?
_____

6. If the lock owner cannot be contacted:
Who attempted to contact lock owner?
_____

Date _____ Time
_____

7. Has the equipment, the immediate area, and the line, tanks, and equipment down stream

been checked and confirmed to be clear and safe for operations? _____

By whom? _____ Time
_____

8. The above has been verified to be true by:

_____ _____ _____
Operations Manager (for operations lock) Date Time

_____ _____ _____
Maintenance Manager (for maintenance lock) Date Time

_____ _____ _____
Witness Date Time

NOTE: Any salaried operations or maintenance supervisor can sign this permit as appropriate, provided he/she has the authorized responsibility. Any hourly employee working with the supervisor can sign this permit as a witness.

TAB 17 - Assured Equipment Grounding Program

**** Assured Equipment Grounding Conductor Program ****

3 Kings Environmental, Inc. is using assured equipment grounding conductor program to protect its employees from any exposure to possible electrical shock. This program will be carried out as follows:

1. This designated person (s) to implement this program is:

_____

_____

_____

_____

_____

2. Cord sets and equipment connected by cord and plugs that are exposed to damage will be visually inspected each day before use.

MONTH: _____ TAPE COLOR: _____

Day: 1. _____	2. _____	3. _____	4. _____	5. _____
6. _____	7. _____	8. _____	9. _____	10. _____
11. _____	12. _____	13. _____	14. _____	15. _____
16. _____	17. _____	18. _____	19. _____	20. _____
21. _____	22. _____	23. _____	24. _____	25. _____
26. _____	27. _____	28. _____	29. _____	30. _____
31. _____				

3. If any damaged cord sets or equipment connected by cord and plug are found, it must be removed for repair.

Any found? _____ Date: _____

Names of:

_____

_____

_____

_____

4. Required tests must be performed on all cord sets, receptacles, and cord and plug-connected equipment required to be grounded that are not part of the permanent wiring of the building or structure:

a. All equipment-grounding conductors shall be tested for continuity and must be electrically continuous.
b. All receptacles and attachment caps or plugs shall be tested for correct attachment of the equipment-grounding conductor.
c. The equipment grounding conductor must be connected to its' proper terminal.

5. Required tests must be performed:
   a. Before first use.
   b. Before equipment is returned to service following repairs.

c. Before equipment is used after any incident which can be reasonably suspected to have caused damage (for example, when a cord set is run over.)
d. Testing shall be performed quarterly (every 3 months)
e. Testing of any cord sets and receptacles, which are fixed and not exposed to damage, shall be tested at intervals of 6 months.

6. These tests will be recorded with a colored tape on the cord near the male end of the cord as follows:

   White…….January through March
   Green…….April through June
   Red……July through September
   Blue……...October through December

7. A poster will be at each job site designating color coding.

8. Testing will begin for all cord sets and receptacles on each jobsite the first day of each quarter.

** Equipment Grounding Program **

Color Code

3 Kings Environmental, Inc. cord sets, receptacles, cord and plug-connected tools (not double insulated) shall be tested and color-coded, by quarters, as follows:

White tape- signifying January through March

Green tape- signifying April through June

Red tape- signifying July through September

Blue tape- signifying October through December

NOTE: This poster must be posted at all jobsites.

TAB 18 - Lead In Construction

Health & Safety Work Plan for Exposure to Lead during Construction Activities

1.0 INTRODUCTION

This Work Plan provides Contractor and Subcontractor personnel with worker protection procedures, environmental protections procedures, waste handling, and disposal procedures for operations with the potential for exposure to lead at or above the OSHA action level of 30 Ug/m3. This work plan seeks to minimize all foreseeable hazards of exposure to lead contaminated dust as a result of construction activities. This Work Plan includes requirements for engineering controls, work practices, personal protective equipment, respirators, and air monitoring for protection from exposure to lead.

The requirements of this work plan shall apply during all activities where lead paint may be disturbed, such as renovation or demolition activities, and whenever the potential for employee exposure to lead above the action level of 30 Ug/m3 exists.

It is also the intent of this Work Plan to provide guidance to Contractors and its Subcontractors for complying with the regulatory requirements of 29 CFR 1926.62 and WAC 296-155-176.

2.0 SCOPE OF WORK

2.1 Work Activities

This plan includes but is not limited to potential lead exposure associated with the following operations where lead, lead-containing coatings, or paint are present:

- Manual scraping
- Manual sanding
- Chemical stripping
- Power tool cleaning with dust collection systems
- Power tool cleaning without dust collection systems
- Vacuum abrasive blasting
- Disc grinding
- Power cutting of painted steel with power sheers
- Power cutting of painted steel with portable band saw
- Power sawing of painted steel
- Torch cutting of steel after paint has been removed
- Torch cutting of painted steel
- General demolition
- Cutting and breaking of painted concrete

- Cleanup of debris after operations with the potential for exposure to lead

3.0 SITE PERSONNEL

No one is allowed in the demarcated area (see Section 4.3) without the approval of the Safety Supervisor. All persons entering the demarcated area are required to comply with all sections of the Work Plan.

3.1 On-Site Safety Supervisor

The On-Site Safety Supervisor shall be designated by the Subcontractor and shall have the authority to immediately halt work during the exposure assessment phase if the provisions of this work plan are not met. The On-Site Safety Supervisor shall be required to perform the following duties:

- Ensure all work is performed in compliance with the policies and procedures outlined in this Work Plan, and applicable State and Federal regulations.

- Record any illness, disease, injury, pulmonary disorder, or death of any person on site.

- Control entry and exit to the demarcated area.

- Supervise all air monitoring.

- Ensure that employees working within the demarcated area wear protective clothing and respirators, as required by applicable regulations and this Work Plan.

- Ensure that engineering controls are functioning properly.

- Perform safety record keeping.

3.2 Site Workers

Site Workers will be required to perform the following duties:

- Read and follow this Work Plan.

- Check all personal safety equipment to ensure it is in good working condition.

- Immediately report any accidents, illness, spills, unsafe conditions, and any unusual smells to the Safety Supervisor.

4.0 WORKER PROTECTION

Section 4.0 applies to all employees who will be entering the demarcated areas (see Section 4.3) and is intended to meet all requirements of OSHA 29 CFR 1926.62 and WAC 296-155-176.

4.1 Respiratory Protection Program

A respiratory protection program will be provided by the Subcontractor, and the On-Site Safety Supervisor shall ensure compliance with the program. This program shall meet the requirements of WAC 296-62.

4.2 Respiratory fit testing requirements

All respiratory fit testing shall be performed in accordance with the Subcontractor Respiratory Protection Program, WAC 296-155-17613 and 29 CFR 1926-62 Appendix D. A written copy of the fit testing procedures can be found in Appendix E of this work plan.

4.3 Establishment of the demarcated work area

This section describes the requirements for demarcating work area where the potential for lead exposure exists and access to those areas.

4.3.1 Demarcation

Although lead warning signs are not required until the Permissible Exposure Limit of 50 Ug/m3 is exceeded, the work area shall be clearly demarcated with red or yellow construction hazard warning tape during the exposure assessment phase of the project. The demarcated area shall be established in areas where the potential for exposure to lead at or above the action level exists. The demarcation area shall be established a minimum of eight (8) feet around operations covered by this Work Plan. The demarcated area shall be of greater size if deemed necessary by the On-Site Safety Supervisor.

If at any time during the project the PEL is exceeded, signs shall be posted in accordance with WAC 296-155-17627, in each work area, which exceeds the PEL stating:

WARNING
LEAD WORK AREA
POISON
NO SMOKING OR EATING

4.3.2 Access to demarcated area

During the exposure assessment phase of the project (see Section 6.0), no employee shall be allowed to enter the demarcated area of the project without complying with the provisions outlined in Section 4.0 and 6.0. If the exposure assessment determines exposures to be below the action level and the PEL,

other personnel will be allowed to enter the demarcated area. However, access will be limited to those personnel with work duties that require them to be present in the demarcated area.

While within the demarcated area, all eating, drinking, smoking, chewing gum or tobacco, and applying of cosmetics shall be strictly prohibited, as required by WAC 296-155-17619.

All persons entering the demarcated area shall sign the sign-in log upon entry and the sign-out log upon exit.

4.4 Manual scraping

The requirements outlined in this Section shall apply to all manual paint scraping activities where there is the potential for lead exposure. Paint scraping activities may include, but are not limited to: manual scraping of small amount of loose, cracking, and flaking paint from plaster, wood, concrete, or metal substrates.

Until the exposure assessment determines worker exposure levels to be below the action level of 30 Ug/m3 (averaged over an eight hour period), during paint scraping activities, appropriate personal protective clothing and equipment shall be required. This shall include but not be limited to coveralls or similar full-body work clothing, gloves, hats, shoes or disposable shoe coverlets and face shields, vented goggles or other appropriate eye protection. Respiratory protection shall consist of half-mask, air-purifying respirator with high efficiency filters. Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving manual scraping activities.

4.5 Manual sanding

The requirements outlined in this Section shall apply to all manual paint sanding activities where there is the potential for lead exposure. Paint sanding activities may include, but are not limited to, manual sanding of small amounts of loose, cracking, and flaking paint from plaster, wood, concrete, or metal substrates. This Section is not intended to apply to large-scale paint removal operations in which all of the paint is removed by sanding from the surface before repainting.

Until the exposure assessment determines worker exposure levels to be below the action level of 30 Ug/m3 (average over an eight-hour period) during paint scraping activities, appropriate personal protective clothing and equipment shall be required. This shall include but not be limited to coveralls or similar full-body work clothing, gloves, hats, shoes or disposable shoe coverlets and face shields, vented goggles or other appropriate eye protection. Respiratory protection shall consist of half-mask, air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving manual sanding activities.

4.6 Chemical stripping

Where chemical strippers are used, the following requirements shall apply. Chemical strippers shall be compatible with and not harmful to the substrate they are applied to. Chemical stripping agents shall be applied in accordance with the recommendations of the manufacturer.

Protective clothing shall include full body coveralls, gloves, and boots that are impervious to the chemical stripper that is being applied. Eye protection shall provide full splash resistance. Respiratory protection shall be appropriate for the chemical stripping product as per the manufacturer's recommendations.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving chemical stripping activities.

4.7 Power tool cleaning with dust collection systems

If power tool cleaning or paint removal systems are used, the following requirements shall apply. Power tools shall be capable of being fitted with high efficiency particulate, air-filter dust-collection system (such as HEPA vacuum).

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing power tool cleaning or power tool paint removal or in the vicinity of these operations shall wear the appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation; respiratory protection shall consist of a half-mask, air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving power tool cleaning or paint removal with dust collection systems.

4.8 Power tool cleaning without dust collection systems

If power tool cleaning or paint removal systems without dust collection systems are used, the following requirements shall apply.

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing

power tool cleaning or power tool paint removal or in the vicinity of these operations shall wear the appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation; respiratory protection shall consist of, as a minimum: a loose fitting hood or helmet powered, air-purifying respirator operated in a continuous flow mode (e.g. type CE abrasive blasting respirators operated in a continuous flow mode).

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving power tool cleaning or paint removal activities without dust collection systems.

4.9 Vacuum abrasive blasting

If vacuum abrasive blasting systems are used, the following requirements shall apply.

The vacuum abrasive blaster shall be of full containment vacuum type, designed in full compliance with ASME, OSHA, and all codes that govern the removal and handling of hazardous materials. The machine shall automatically clean dust and contaminants from the used abrasive by a dust separator before reuse of abrasive. All machine air filters shall be automatically cleaned during operations. The machine shall automatically load the dust and contaminants into approved disposable bags during operations. The machine shall be equipped with brush type blast heads for a wide range of flat, curved, and other shaped surfaces.

Blasting media shall be non-toxic and conform to the recommendations and specifications of the vacuum abrasive blasting machine manufacturer.

Blasting shall be done on flat and shaped surfaces that are compatible with the available blast heads as provided by the equipment manufacturer. Blast heads shall come into contact with surfaces being blasted as to provide maximum containment of dust and debris created by the blasting operation.

Blasting operations shall be performed by workers who are properly trained in the use of the blasting equipment.

All personnel performing vacuum abrasive blasting or in the vicinity of vacuum abrasive blasting operations shall wear the appropriate personnel protective equipment. This equipment shall include but not be limited to coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation, employees shall wear full-face piece, supplied-air respirators operated in pressure demand or other positive pressure mode.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving vacuum abrasive blasting.

4.10 Disc grinding

If disc grinding is used, the following requirements shall apply. Grinders shall be capable of being fitted with high efficiency, particulate air-filter, dust collection system (such as HEPA vacuum).

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing disc grinding or in the vicinity of disc grinding operations shall wear the appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation; respiratory protection shall consist of a half-mask, air-purifying respirator with high efficiency filters.

In the event that disc grinding with a HEPA dust collection system is not feasible, until the exposure assessment determines the levels of exposure created by this operation, the respiratory protection shall consist of, as a minimum, a loose fitting hood or helmet-powered, air-purifying respirator with high efficiency filters, or a hood or helmet supplied-air respirator operated in a continuous flow mode (e.g. type CE abrasive blasting respirators operated in a continuous flow mode).

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving disc grinding.

4.11 Power cutting of painted steel with power sheers

If cutting of painted steel with power sheers will be performed; the following requirements shall apply.

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing power sheer cutting operations or in the vicinity of these operations shall wear the appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation; respiratory protection shall consist of a loose fitting hood or helmet powered, air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving power sheer cutting of painted steel.

4.12 Power cutting of painted steel with portable band saw

If power cutting of painted steel using a porta-band cut saw will be performed, the following requirements shall apply.

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing power saw cutting operations or in the vicinity of these operations shall wear the appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation; respiratory protection shall consist of a loose fitting hood or helmet powered air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving power cutting of painted steel.

4.13 Power sawing of painted steel

If power sawing of painted steel using a power saw will be performed, the following requirements shall apply.

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing power saw cutting operations or in the vicinity of these operations shall wear the appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Until the exposure assessment determines the levels of exposure created by this operation; respiratory protection shall consist of a loose fitting hood or helmet powered air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving power cutting of painted steel.

4.14 Torch cutting of steel after paint has been removed

If torch cutting on steel is to be performed, the following requirements shall apply.

Torch cutting shall be performed in accordance with all requirements of WAC 296-155-400 through 420, Welding and Cutting.

Surfaces covered with toxic preservative coatings which are to be stripped prior to torch cutting shall be stripped of all toxic coatings for a distance of at least four (4) inches from the area of heat applications, or the employees shall be protected by airline respirators, meeting the requirements of WAC 296-155-200. Surfaces covered with toxic preservative coatings that are to be stripped prior to torch cutting shall be stripped in accordance with Section 4.0.

All personnel performing torch cutting or in the vicinity of torch cutting operations shall wear the appropriate personal protective equipment. If the paint has been removed as specified above, this equipment shall include but not be limited to flame resistant gauntlet gloves, flame resistant aprons, protective eyewear, and a half-mask air-purifying respirator with high efficiency filters.

After the removal of paint from the steel, there may still be residual lead. In order to establish if there is any residual lead that creates exposures to lead during the torch cutting operation, air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving torch cutting activities.

4.15 Torch cutting of painted steel

If torch cutting of painted steel is to be performed, the following requirements shall apply.

Torch cutting shall be performed in accordance with all requirements of WAC 296-155-400 through 420, Welding and Cutting.

All personnel performing torch cutting or in the vicinity of torch cutting operations shall wear the appropriate personal protective equipment. If the paint remains on the steel, this equipment shall include but not be limited to flame resistant gauntlet gloves, flame resistant aprons, and protective eyewear. Respiratory protection shall consist of a supplied-air-respirator operated in pressure demand or other positive pressure mode meeting the requirements of WAC 296-155-200.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving torch cutting of painted steel.

4.16 General demolition

The requirements outlined in this paragraph shall apply to all demolition activities where there is the potential for lead exposure. Demolition activities may include, but are not limited to manual demolition, or demolition of wood, bricks, or plaster with an excavator or similar heavy equipment.

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing power saw cutting operations or in the vicinity of these operations shall wear the

appropriate personal protective equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Respiratory protection shall consist of a half-mask, air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving general demolition activities.

4.17 Cutting and breaking of painted concrete

The requirements outlined in this paragraph shall apply to the cutting and breaking of painted concrete.

Until the exposure assessment determines worker exposure levels to be below the action level or 30 Ug/m3 (averaged over an eight-hour period), all personnel performing concrete cutting and breaking operations or in the vicinity of these operations shall wear the appropriate personal protective clothing and equipment. This equipment shall include, but not be limited to, coveralls or similar full body work clothing, gloves, hats, shoes or disposable shoe coverlets, and face shields, vented goggles, or other appropriate eye protection. Respiratory protection shall consist of a half-mask, air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving general demolition activities.

4.18 Cleanup of debris after operations with the potential for exposure to lead

After all operations with the potential for exposure to lead, all drop sheets and collection material shall be removed from the demarcated area. In addition, cleanup of any residual debris, which was not collected by the drop sheets, shall be required. If cleanup is required, it shall be with the use of a high efficiency particulate air (HEPA) filtered vacuum.

During the removal of the drop sheets and debris cleanup, appropriate protective clothing and equipment shall be required. This shall include but not be limited to coveralls or similar full-body work clothing, gloves, hats, shoes or disposable shoe coverlets and face shields, vented goggles or other appropriate eye protection. Respiratory protection shall consist of a half-mask, air-purifying respirator with high efficiency filters.

Air sampling as outlined in Sections 6.0 (Exposure Assessment) and 7.0 (Air Monitoring) shall be required during a representative number of operations involving cleanup operations.

5.0 WASTE

3 Kings Environmental, Inc. is considered to be the generator of hazardous waste for this project and the Contractor will be responsible for implementing the following requirements.

5.1 Sampling and testing of debris

A representative sample of the debris shall be collected in accordance with the requirements of SW-846 and tested by TCLP in accordance with Appendix II of 40 CFR 261.

In the case of wet method of preparation, the use of chemical strippers, or containerized hygiene water, all liquids and sludge shall be tested, including the pH to determine corrosivity, if appropriate.

5.2 Water segregation, accumulation, and storage

The contractor shall pay strict attention to the requirements of 40 CFR 262 and 40 CFR 265 for the on-site handling of debris. Although demolition debris is not classified as hazardous waste until tested, the waste shall be handled as a hazardous material in accordance with the following section until it is determined to be non-hazardous.

5.2.1 Hazardous Waste

If the tests of the debris in Section 5.1 show the waste to be hazardous, the following requirements shall apply:

All painted materials shall be removed from the general debris pile for special disposal.

Painted debris shall not be placed on the unprotected ground and shall be shielded to prevent dispersion of the debris by the wind or rainwater.

Debris will be collected in storage containers in a manner that prevents releasing the removed lead into the environment. To prevent the release of lead into the air, water, or soil, potentially hazardous debris will be cleaned up frequently, typically once per day, and prevented from escaping the containment. The workers must be fully protected against breathing, ingesting, or contacting any of the debris.

Special attention shall be given to the labeling the waste, time of storage, the amount of material stored at any one time, use of the proper containers, personnel training, and confirmation that an EPA identification number will be obtained.

Waste shall be accumulated in accordance with WAC 173-303-200 and 630.

The Subcontractor shall provide an emergency plan including: preparedness, prevention, and contingency plans in accordance with 40 CFR 265 Subpart C and D for the steps to be taken in the event of an unplanned release or emergency. Workers involved in the handling and storage of hazardous waste must have received training on how to perform their job duties in a manner consistent with the regulations. This includes Hazardous Waste handling training and Lead Hazard Awareness training.

Storage of the waste at a temporary site must be according to 40 CFR Part 263, Subpart C.

5.2.2 General Debris

If the tests of the debris in Section 5.1 show the waste to be non-hazardous, all waste may be treated as general construction debris.

5.3 Transportation and disposal of debris

If the tests of the debris in Section 5.1 show the waste to be hazardous, the following requirements shall apply:

The subcontractor shall arrange to have the hazardous waste transported from the site in accordance with the requirements of 40 CFR 263, and disposed of properly in accordance with 40 CFR 264 and 268 including the necessary notifications and certifications with shipments.

Signed manifests shall be returned to 3 Kings Environmental, Inc. to verify that all steps of the handling and disposal process have been completed properly.

6.0 EXPOSURE ASSESSMENT

This Section outlines the requirements for assessing if the work operations listed in this Work Plan will result in an employee's exposure to lead at or above the action level.

For each workplace or work operation listed in this Work Plan it shall be initially determined if any employee may be exposed to lead at or above the action level through the use of air monitoring as outlined in Section 6.0. Personal samples shall be representative of a full shift including at least one sample for each job classification in each work area listed in this Work Plan.

6.1 Protection of employees during exposure assessment

6.1.1 Personal protective clothing and equipment during exposure assessment.

The following table is a summary of the personal protective clothing and respirator required for each operation until the exposure assessment is complete. For a more complete description of the required personal protective clothing and respirators refer to Section 4.0 (Worker Protection).

Operation	Personal Protective Equipment	Minimum Respirator
Manual Scraping	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Manual Sanding	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Chemical Stripping	Impervious coveralls, boots, gloves, and splash protective eye protection	Appropriate respirator for chemical use
Power tool cleaning with dust collection	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Power tool cleaning without dust collection	Coveralls, eye protection, protective gloves, shoes or shoe covers	Loose fitting hood or helmet PAPR with high efficiency filters
Vacuum abrasive blasting	Coveralls, eye protection, protective gloves, shoes or shoe covers	Full facepiece supplied air respirators operated in pressure demand or other positive pressure mode
Disc grinding with dust collection	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Disc grinding without dust collection	Coveralls, eye protection, protective gloves, shoes or shoe covers	Loose fitting hood or helmet PAPR with high efficiency filters
Power cutting of painted steel with power sheers	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Torch cutting of steel	Flameproof gauntlet gloves, flameproof apron, coveralls, eye protection, shoes or shoe covers	Half mask, air purifying with high efficiency filters

Torch cutting of painted steel	Flameproof gauntlet gloves, flameproof apron, coveralls, eye protection, shoes or shoe covers	Supplied-air respirator operated in pressure demand or other positive pressure mode
General Demolition	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Cutting and breaking of painted concrete	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters
Cleanup Operations	Coveralls, eye protection, protective gloves, shoes or shoe covers	Half mask, air purifying with high efficiency filters

6.1.2 Hygiene requirements during exposure assessment

Until the exposure assessment is complete for each work operation where an employee may be exposed to lead, the following procedures shall be implemented, as required by WAC 296-155-17619.

Change areas shall be provided and required to be used. Change areas shall be equipped with separate storage facilities for protective work clothing and equipment and for street clothes, which prevent cross contamination. Each employee who enters a demarcated area during the exposure assessment shall not leave the workplace wearing any protective clothing or equipment that is required to be worn during the work shift.

6.2 Biological monitoring during exposure assessment

Section 6.2 applies to each employee who will be required to enter a demarcated area during the exposure assessment phase of the project. Biological monitoring shall consist of blood sampling and analysis for lead and zinc protoporphyrin levels. Biological monitoring shall be made available within 48 hours of the onset of exposure. If air sample results are received within 48 hours and indicate exposure below the action level of 30 Ug/m3 for the activity monitored (as require by Section 6.0), biological monitoring shall not be required.

If employees are exposed above the action level for 30 or more days during any consecutive 12-month period, full medical monitoring as required by 29 CFT 1926.62 (j) shall be provided. This monitoring shall consist of the following:

1. Blood Sampling and analysis for lead and zinc protoporphyrin levels. This monitoring shall be required every two months for the first six months thereafter.

2. A detailed work history and medical history with particular attention to past lead

exposure, personal habits, and past gastrointestinal, hematologic, renal, cardiovascular, reproductive, and neurological problems.

3. A thorough physical examination, with particular attention to teeth, gums, hematologic, gastrointestinal, renal, cardiovascular, neurological, and pulmonary systems.

4. A blood pressure measurement.

5. A routine urinalysis with microscopic examination.

6. Any laboratory or other test relevant to lead exposure, which the examining physician deems necessary by sound medical practice.

Each employee who has received blood monitoring shall be notified of the results within five working days of the receipt of the results by the employer. Each employee who has received full medical monitoring as required by 29 CFR 1926.62 (j) shall be provided with a copy of the physician's written opinion within five working days of the receipt of the results by the employer.

All medical monitoring and surveillance documents shall be maintained by the employer for the duration of employment plus 30 years.

6.3 Training requirements during exposure assessment

Section 6.3 applies to each employee who will be required to enter a demarcated area during the exposure assessment phase of the project. Information concerning the hazards associated with lead shall be communicated to employees according to the requirements of the Hazard Communication Standard (WAC 296-62-054 through 05427). This information shall include but not be limited to the requirements concerning warning signs and labels, material safety data sheets, and the contents of this work plan.

Employee training records shall be maintained by the employer for the duration of employment plus 2 years.

6.4 Negative initial determination

If the exposure assessment determines that no employee is exposed to airborne concentrations of lead at or above the action level, a written record of this determination shall be made. This record shall include the date of determination, location within the worksite, and the name and social security number of each employee monitored.

6.5 Frequency

If the exposure assessment reveals employee exposure to be below the action level, further exposure determination need not be repeated unless there is a change of

equipment, process, control, personnel, or a new task has been initiated that may result in additional employees being exposed at or above the action level. If there has been such a change, further monitoring will be required.

6.6 Positive initial determination

If the exposure assessment determines that employees are exposed to lead at or above the PEL of 50 Ug/m3, the following requirements shall apply:

1. The Subcontractor may institute engineering controls in attempt to reduce exposures to below the PEL. If the Subcontractor chooses this option, all aspects of this plan apply, including Section 6.0 (Exposure Assessment).

2. Lead warning signs shall be posted as required by Section 4.2.1 of this plan.

3. Shower facilities shall be available on site for use by employees whose exposure exceeds the PEL. All employees will be required to shower upon exit of a demarcated area where the airborne exposure to lead exceeds the PEL.

6.7 Frequency

6.7.1 Exposures at or above the action level and below the PEL

If the exposure assessment reveals employee exposure to be at or above the action level, but below the PEL, air monitoring shall be performed in accordance with WAC 296-155-17609, at least every six months. The monitoring will continue until at least two consecutive measurements, take at least 7 days apart, are below the action level. At that time, air monitoring may be discontinued unless a change in equipment, process, control, personnel, or a new task is initiated that may result in additional employees beings exposed at or above the action level.

6.7.2 Exposures above the PEL

If the exposure assessment reveals worker exposures to be above the PEL, the Subcontractor shall perform air monitoring quarterly. The monitoring will continue until at least two consecutive measurements, taken at least 7 days apart, are below the PEL, but above the action level. At that time air monitoring will be performed in accordance with the previous paragraph.

6.8 Employee notification of results of exposure assessment

Within five (5) working days after the completion of the exposure assessment the employer shall notify each employee in writing of the results that represent that employees exposure.

7.0 AIR MONITORING PROCEDURE

Section 7.0 describes the procedures and requirements for air monitoring.

7.1 Procedure

Personal samples shall be representative of a full shift including at least one sample for each job classification in each work area where employees will be required to enter demarcated areas. A representative sample shall include, at a minimum, that 20% to 25% of the employees who work in demarcated areas be monitored.

Monitoring equipment to be used shall include the following:

- SKC Airchek Sampler model number 224-PCXR3 or equivalent
- 37mm 2 piece filter cassette with a 0.8 Ug/m3 MCEF filter
- Appropriate tubing
- A rotometer capable of determining a flow rate range of 0.41 pm to 41 pm

All monitoring shall be performed according to NIOSH Method 7082 (see Appendix A) and collected on the attached sample data collection form (see Appendix B).

All air monitoring and surveillance documents shall be maintained by the employer for the duration of employment plus 30 years.

8.0 OTHER CONTRACTORS

All contractors and subcontractors performing any of the tasks listed in this work plan shall, in addition to the requirements of this work plan, be required to adhere to the following regulations or their state equivalents.

- 29 CFR 1910.134, “Respiratory Protection”
- 29 CFR 1910.20, “Access to Employee Exposure and Medical Records”
- 29 CFR 1910.1025, “Lead”
- 29 CFR 1910.1200, “Hazard Communication”
- 29 CFR 1926.62, “Lead”
- 40 CFR 50, “National Primary and Secondary Ambient Air Quality Standards”
- 40 CFR 117, “Determination of Reportable Quantities for Hazardous Substances”
- 40 CFR 261, “Identification and Listing of Hazardous Waste”
- 40 CFR 262, “Standard Applicable to Generators of Hazardous Waste”
- 40 CFR 263, “Standards Applicable to Transporters of Hazardous Waste”
- 40 CFR 264, “Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities”

- 40 CFR 265, “Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities”
- 40 CFR 268, “Land Disposal Restrictions”
- 40 CFR 302, “Designation, Reportable Quantities, and Notification”
- NIOSH Method 7082

9.0 COMPLIANCE PROGRAM

This Section consists of a compliance program written in accordance with the requirements of 29 CFR 1926.62 and WAC 296-155-176

9.1 Description of each activity in which lead is emitted

A description of each activity which has the potential for occupational exposure to lead can be found on Sections 4.2 through 4.13 of this Work Plan.

9.2 Specific means that will be employed to achieve compliance

A description of the specific means that will be employed to achieve compliance can be found in Sections 2.0 through 6.0 of this Work Plan.

In addition to Sections 2.0 and 6.0 of this Work Plan, the following is a list of studies used to determine methods selected for controlling exposure to lead:

- KTA Tator Inc. 1993. *Industrial Lead Paint Removal Handbook*. Pittsburgh, PA SSPC-93-02
- National Institute for Occupational Safety and Health. 1992. *Health Hazard Evaluation Report*., HETA 91-209-2249, Seaway Painting, Inc., Annapolis, Maryland. Cincinnati, OH.
- National Institute for Occupational Safety and Health. 1992 *Preventing Lead Poisoning in Construction Workers.* Cincinnati, OH.
- Steel Structures Painting Council. 1992. *SSPC-Guide 61 (CON) Guide for Containing Debris Generated During Lead Paint Removal Operations.* Pittsburgh, PA. SSPC 92-07.
- Steel Structures Painting Council. 1993. *Industrial Lead Paint Abatement, Approaches, Alternatives and Advances.* Cincinnati, OH. SSPC-93-01, 928477-79-X
- U.S. Department of Housing and Urban Development. 1990. Lead-Based Paint: Interim Guidelines for Hazard Identification and Abatement in Public and Indian Housing. Washington, DC.

- U.S. Department of Housing and Urban Development. 1991. *The HUD Lead-Based Paint Abatement Demonstration (FHA).* Washington, DC. HC-5831.

- U.S. Occupational Safety and Health Administration. 1993. Preamble to 29CFR 1926-62.

9.3 Technology considered in meeting the PEL

The following technology was considered in meeting the permissible exposure limit:

- Closed abrasive blasting using recyclable abrasives.
- Open abrasive blasting with expendable abrasives.
- Open abrasive blast cleaning with recyclable abrasives.
- Chemical stripping.
- Water jetting with and without abrasives.
- Hand and power tool cleaning with HEPA filtration.
- Natural airflow ventilation.
- Forced airflow ventilation.
- Air purifying respirators.
- Supplied air respirators.
- Protective equipment and clothing.

9.4 Air monitoring data

Once collected, air monitoring data shall be found in Appendix C of this Work Plan.

9.5 Implementation schedule

This Work Plan shall be effective upon the initiation of any project where the potential for exposure to airborne lead exceeds the OSHA action level of 30 Ug/m3 based on eight hour time weighted average.

9.6 Work practice program

This Work Plan shall be considered the required work practice program.

9.7 Administrative control schedule

Administrative controls will not be utilized during this project unless the exposure assessment outlined in Section 6.0 reveal exposures above the action level.

9.8 Arrangements made among other contractors on the site

All contractors and Subcontractors on site are to adhere to this work plan.

APPENDIX

A. National Institute for Occupational Safety and Health method 7082.

B. Sample air monitoring data sheet.

C. Air monitoring data.

D. Sign in log.

APPENDIX A - Work Plan

APPENDIX B - Notifications

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Project dates and notice type

Notice date: 05/31/2023

Notice type: Initial

Project dates: 06/26/2023 to 12/26/2023

Work hours

You will work these times:
7:00am to 3:30pm
...on these dates:
Monday, Tuesday, Wednesday, Thursday, and Friday from 6/26/2023 to 12/26/2023

Job site location

Address:
14489 River Bend Road
Mount Vernon , WA 98273

County: Skagit

Building: Water Treatment Facility

Room: Administrative Building

Contractor

3 KINGS ENVIRONMENTAL, INC (BATTLE GROUND)

UBI: 601705284

Certification: ABCN00001318

Phone: 253-750-4143

Contact Email: omerritt@3kingsinc.com

Supervisor: Daniel Garcia

Certification: ABAS00030704

Phone: 360-773-5140

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Property owner

Company: City of Anacortes
Owner's agent: Brian McDaniel
Phone: 360-299-1971
Email: brianm@cityofanacortes.com
Address:
PO Box 547
Anacortes, WA 98221

Facility details

Facility type: Commercial
Construction year: Unknown
Size: 3000 sq. feet
Prior use: Water Treatment Facility
Construction type:
demolition

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Project details

Cement Asbestos Board (CAB) - 252 square feet

Outdoors

Removed

Control measures:

- Critical Barriers
- Hepa Vacuum
- Manual Methods
- Wet methods

Respiratory protection:

- 1/2 mask - Air purifying respirator

Mastic - 3000 square feet

Indoors

Removed

Control measures:

- Critical Barriers
- Hepa Vacuum
- Manual Methods
- Negative pressure enclosure
- Wet methods

Respiratory protection:

- 1/2 mask - Air purifying respirator

Sheet Vinyl - 300 square feet

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045 Submitted: 05/31/2023 at 4:37pm	Completed by: Olivia Merritt

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Negative pressure enclosure

Wet methods

Respiratory protection:

Powered air purifying respirator

Other linear footage: Electrical Wire Wrap Bundles - 2000 linear feet

Indoors

Removed

Control measures:

Critical Barriers

Glove Bags

Hepa Vacuum

Manual Methods

Wet methods

Respiratory protection:

Powered air purifying respirator

Other Square Footage: Electrical Insulation Blocks - 20 square feet

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Respiratory protection:

1/2 mask - Air purifying respirator

Other linear footage: Cove Base Mastic - 70 linear feet

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Negative pressure enclosure

Wet methods

Respiratory protection:

1/2 mask - Air purifying respirator

APPENDIX C - Insurance Certification

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/23/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Anchor Insurance and Surety, Inc PO Box 2808 Portland OR 97208	**CONTACT NAME:** Charris Sonne-Phinney **PHONE (A/C, No, Ext):** 503-224-2500 **FAX (A/C, No):** 503-224-9830 **E-MAIL ADDRESS:** certificates@anchorias.com
INSURED 3KINGSE-01 3 Kings Environmental, Inc. P. O. Box 280 Battle Ground WA 98604	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** Nautilus Insurance Company — 17370 **INSURER B :** SAIF Corporation — 36196 **INSURER C :** Ohio Security Insurance Co. — 24082 **INSURER D :** Middlesex Insurance Company — 23434 **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 648642622 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** [ ] CLAIMS-MADE [X] OCCUR X XCU /WA Stop Gap X $1,000,000 GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:	Y		ECP2027739-14	11/30/2022	11/30/2023	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Per Project Agg	$ 4,000,000 $ 300,000 $ 5,000 $ 4,000,000 $ 4,000,000 $ 4,000,000 $ 5,000,000
D	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY [ ]	Y		A0184422001	11/30/2022	11/30/2023	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ $ $ $
A D	[ ] **UMBRELLA LIAB** X OCCUR X **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $	Y		FFX2027740-14 A0184422002	11/30/2022 11/30/2022	11/30/2023 11/30/2023	EACH OCCURRENCE AGGREGATE A0184422002AutoExcess	$ 10,000,000 $ 10,000,000 $ 5,000,000
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		861034	4/1/2023	4/1/2024	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	OR $ 1,000,000 $ 1,000,000 $ 1,000,000
C A	Installation Floater Pollution Liability Professional Liability			BKS58560872 ECP2027739-14	11/30/2022 11/30/2022	11/30/2023 11/30/2023	Ded $500 / Limit Limit Limit	250,000 4,000,000 4,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate holder and all other entities are additional insureds when specified by written contract. Coverage is primary & non-contributory and includes waiver of subrogation when required by written contract. All subject to the terms, conditions and exclusions of the policies.
Endorsements attached: ECP12450121; ECP12460121; ECP12480121; ECP12600121; ECP12950121; CA76010615; CA04441013; WC000313.
-

Former WTP Demolition Project: Construction
Contract 22-204-WTR-001

CERTIFICATE HOLDER

City of Anacortes
P.O. Box 547
Anacortes WA 98221

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED -- STATE OR GOVERNMENTAL AGENCY OR SUBDIVISION OR POLITICAL SUBDIVISION – PERMITS OR AUTHORIZATIONS – COVERAGE A, B, D.1 & D.4

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2027739-14	11/30/2022	11/30/2023	11/30/2022

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

SCHEDULE

State or Governmental Agency Or Subdivision Or Political Subdivision:	Any State or Governmental Agency or Subdivision or Political Subdivision with whom the named insured executes a written contract prior to the start of the project and is shown on a certificate of insurance issued by our authorized representative prior to the start date of the project.

I. **SECTION III – WHO IS AN INSURED** is amended to include as an additional **insured** any state or governmental agency or subdivision or political subdivision shown in the **SCHEDULE**, with whom you have agreed under a written contract or written agreement, in effect during this **policy period**, that such state or governmental agency or subdivision or political subdivision be added as an additional **insured** on this policy, but only with respect to liability for **bodily injury** or **property damage** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability,** or **personal and advertising injury** under **SECTION I – COVERAGE B – PERSONAL AND ADVERTISING INJURY LIABILITY** directly caused with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued a permit or authorization. Such contract or agreement must be executed and in effect prior to your operations which are the subject of the permit or authorization.

However:

1. The insurance afforded to such additional **insured** only applies to the extent permitted by law; and
2. We will not extend any insurance coverage to such additional **insured** that is not provided to you in this policy; and
3. The insurance afforded to such additional **insured** will not be broader than that which you are required by the contract or agreement to provide for such additional **insured**.

II. This insurance does not apply to:

1. **Bodily injury**, **property damage** or **personal and advertising injury** arising out of operations performed for the federal government, state or municipality; or
2. **Bodily injury** or **property damage** included within the **products-completed operations hazard**.

III. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION V – LIMITS OF INSURANCE**:

The most we will pay on behalf of the additional **insured** is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

IV. **SECTION VII – CONDITION 10. – Other Insurance** is amended by the addition of the following which supersedes any provision to the contrary:

Primary And Noncontributory Insurance

 Includes copyrighted material of Insurance Services Office, Inc., used with its permission.

This insurance is primary to and will not seek contribution from any other insurance available to any additional **insured** state or governmental agency or subdivision or political subdivision shown in the **SCHEDULE** to this endorsement provided that:

1. The additional **insured** state or governmental agency or subdivision or political subdivision is a **Named Insured** under such other insurance; and
2. You have agreed in writing in a contract or agreement, in effect during this **policy period**, that this insurance would be primary and would not seek contribution from any other insurance available to the additional **insured** state or governmental agency or subdivision or political subdivision. Such contract or agreement must be executed and in effect prior to the performance of your operations, which are the subject of such contract or agreement.

However, this provision does not apply if the other insurance available to the state or governmental agency or subdivision or political subdivision included as an additional **insured** is Owners and Contractors Protective Liability, Railroad Protective Liability, or similar project-specific, primary insurance.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

Includes copyrighted material of Insurance Services Office, Inc., used with its permission.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED -- OWNERS, LESSEES OR CONTRACTORS AUTOMATIC STATUS – ONGOING OPERATIONS – COVERAGE A, B, D.1 & D.4

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2027739-14	11/30/2022	11/30/2023	11/30/2022

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

I. SECTION III – WHO IS AN INSURED is amended to include as an additional **insured**:

1. Any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement, in effect during this **policy period**, that such person or organization be added as an additional **insured** on this policy; and

2. Any other person or organization you are explicitly required to add as an additional **insured** under the contract or agreement described in Paragraph **1.** above.

Such contract or agreement must be executed and in effect prior to the performance of **your work** which is the subject of such contract or agreement.

Such person(s) or organization(s) is an additional **insured** only with respect to liability for **bodily injury** or **property damage** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability,** or personal injury or advertising injury under **SECTION I - COVERAGE B – PERSONAL AND ADVERTISING INJURY LIABILITY** directly caused by:

a. Your acts or omissions; or
b. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional **insured** described in Paragraph **1.** or **2.** above.

However, the insurance afforded to such additional **insured** described above:

a. Only applies to the extent permitted by law; and
b. Will not be broader than that which you are required by the contract or agreement to provide for such additional **insured**, and
c. Will not extend beyond that which is provided to you in this policy.

A person's or organization's status as an additional **insured** under this endorsement ends when your operations for the person or organization described in Paragraph **1.** above are completed.

II. With respect to the insurance afforded to these additional **insureds**, the following additional exclusions apply:

This insurance does not apply to:

a. Bodily injury, **property damage** or **personal and advertising injury** arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

(1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
(2) Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the **claims** against any **insured** allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that **insured**, if the **occurrence** which caused the **bodily injury** or **property damage**, or the offense which caused the **personal and advertising injury**, involved the rendering of, or the failure to render any professional architectural, engineering or surveying services.

b. Bodily injury or **property damage** occurring after:

(1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional **insured**(s) at the location of the **covered operations** has been completed; or

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(2) That portion of **your work** out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

III. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION V – LIMITS OF INSURANCE**:

The most we will pay on behalf of the additional **insured** is the amount of insurance:

1. Required by the contract or agreement described in Paragraph **I.1.**; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

IV. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION VI – REPORTING, DEFENSE, SETTLEMENT & COOPERATION**:

1. Duties -- Additional Insured

An additional **insured** must see to it that:

a. We are notified in writing as soon as practicable of an **occurrence** or offense which may result in a **claim** or **suit;**
b. We receive written notice of a **claim** or **suit** as soon as practicable; and
c. A request for defense and indemnity of the **claim** or **suit** will promptly be brought against any policy issued by another insurer under which the additional **insured** may be an insured in any capacity. This provision does not apply to insurance on which the additional **insured** is a **Named Insured**, if the contract or agreement requires that this coverage be primary and noncontributory.

V. SECTION VII – CONDITION 10. – Other Insurance is amended by the addition of the following which supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to a person(s) or organization(s) included as an additional **insured** under this endorsement provided that:

1. The additional **insured** person(s) or organization(s) is a **Named Insured** under such other insurance; and
2. You have agreed in writing in a contract or agreement, in effect during this **policy period**, that this insurance would be primary and would not seek contribution from any other insurance available to the additional **insured** person(s) or organization(s). Such contract or agreement must be executed and in effect prior to the performance of **your work** which is the subject of such contract or agreement.

However, this provision does not apply if the other insurance available to the person(s) or organization(s) included as an additional **insured** is Owners and Contractors Protective Liability, Railroad Protective Liability, or similar project-specific, primary insurance.

VI. This endorsement does not apply to an additional **insured** which has been added to this policy by an endorsement showing the additional **insured** in a **SCHEDULE** of additional **insureds**, and which endorsement applies to that designated additional **insured**.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED -- OWNERS, LESSEES OR CONTRACTORS AUTOMATIC STATUS – COMPLETED OPERATIONS – COVERAGE A, D.1 & D.4

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2027739-14	11/30/2022	11/30/2023	11/30/2022

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

I. SECTION III – WHO IS AN INSURED is amended to include as an additional **insured**:

1. Any person or organization for whom you have performed operations when you and such person or organization have agreed in writing in a contract or agreement, in effect during this **policy period**, that such person or organization be added as an additional **insured** on this policy; and

2. Any other person or organization you are explicitly required to add as an additional **insured** under the contract or agreement described in Paragraph **1.** above.

Such contract or agreement must be executed and in effect prior to the performance of **your work** included in the **products-completed operations hazard** which is the subject of such contract or agreement.

Such person(s) or organization(s) is an additional **insured** only with respect to liability for **bodily injury** or **property damage** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY, Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability,** directly caused by **your work** performed for the additional **insured** described in Paragraph **1.** or **2.** above, and included in the **products-completed operations hazard**.

However, the insurance afforded to such additional **insured** described above:

a. Only applies to the extent permitted by law; and
b. Will not be broader than that which you are required by the contract or agreement to provide for such additional **insured**; and
c. Will not extend beyond that which is provided to you in this policy.

II. With respect to the insurance afforded to these additional **insureds**, the following additional exclusions apply:

This insurance does not apply to:

a. **Bodily injury** or **property damage** arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

(1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or
(2) Supervisory, inspection, architectural or engineering activities.

This exclusion applies even if the **claims** against any **insured** allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that **insured**, if the **occurrence** which caused the **bodily injury** or **property damage** involved the rendering of, or the failure to render any professional architectural, engineering or surveying services.

III. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION V – LIMITS OF INSURANCE**:

The most we will pay on behalf of the additional **insured** is the amount of insurance:

1. Required by the contract or agreement described in Paragraph **I.1.**; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

IV. With respect to the insurance afforded to these additional **insureds**, the following is added to **SECTION VI –**

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REPORTING, DEFENSE, SETTLEMENT & COOPERATION:

1. Duties -- Additional Insured

An additional **insured** must see to it that:

a. We are notified in writing as soon as practicable of an **occurrence** which may result in a **claim** or **suit;**
b. We receive written notice of a **claim** or **suit** as soon as practicable; and
c. A request for defense and indemnity of the **claim** or **suit** will promptly be brought against any policy issued by another insurer under which the additional **insured** may be an insured in any capacity. This provision does not apply to insurance on which the additional **insured** is a **Named Insured**, if the contract or agreement requires that this coverage be primary and noncontributory.

V. SECTION VII – CONDITION 10. – Other Insurance is amended by the addition of the following which supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to a person(s) or organization(s) included as an additional **insured** under this endorsement provided that:

1. The additional **insured** person(s) or organization(s) is a **Named Insured** under such other insurance; and
2. You have agreed in writing in a contract or agreement, in effect during this **policy period**, that this insurance would be primary and would not seek contribution from any other insurance available to the additional **insured** person(s) or organization(s). Such contract or agreement must be executed and in effect prior to the performance of **your work** included in the **products-completed operations hazard** which is the subject of such contract or agreement.

However, this provision does not apply if the other insurance available to the person(s) or organization(s) included as an additional **insured** is Owners and Contractors Protective Liability, Railroad Protective Liability, or similar project-specific, primary insurance.

VI. This endorsement does not apply to an additional **insured** which has been added to this policy by an endorsement showing the additional **insured** in a **SCHEDULE** of additional **insureds**, and which endorsement applies to that designated additional **insured**.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF SUBROGATION
(TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US)
AUTOMATIC STATUS – COVERAGE A, B & D

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2027739-14	11/30/2022	11/30/2023	11/30/2022

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

I. The following is added to Paragraph **17. Subrogation** of **SECTION VII – CONDITIONS:**

We waive any right of recovery against any person(s) or organization(s) because of payments we make under **COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY**, **COVERAGE B – PERSONAL AND ADVERTISING INJURY LIABILITY**, and **COVERAGE D – CONTRACTORS POLLUTION LIABILITY** under this policy.

Such waiver by us applies only if:

1. The **insured** has agreed in writing in a contract or agreement with such person(s) or organization(s) to waive its right of recovery; and

2. The **insured** has waived its right of recovery against such person(s) or organization(s) prior to loss.

This waiver does not apply in any jurisdiction where such waiver is held to be illegal or against public policy or in any situation where the person(s) or organization(s) against whom subrogation is to be waived is found to be solely negligent.

This endorsement does not apply to any person(s) or organization(s) designated in a **SCHEDULE** of person(s) or organization(s) against whom rights of recovery have been waived.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT – COVERAGE A & D – AUTOMATIC STATUS

Policy Number	Policy Effective Date	Policy Expiration Date	Endorsement Effective Date
ECP2027739-14	11/30/2022	11/30/2023	11/30/2022

This endorsement modifies insurance provided under the following:

ENVIRONMENTAL COMBINED POLICY

SECTION V – LIMITS OF INSURANCE is amended by the addition of the following terms and conditions when you have agreed in writing in a contract or agreement, in effect during this **policy period**, with any person or organization for whom you are performing operations, that a per-project aggregate will apply:

I. For all amounts which the **insured** becomes legally obligated to pay as damages caused by **occurrences** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** which can be attributed only to **covered operations** at a single project:

1. A separate Per-Project Aggregate Limit applies to each project, and that limit is equal to the lesser of:
   a. The applicable General Aggregate Limit; or
   b. $2,000,000.
2. The Per-Project Aggregate Limit is the most we will pay for the sum of all damages under **COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** except damages because of **bodily injury** or **property damage** included in the **products-completed operations hazard**, regardless of the number of:
   a. **Insureds**;
   b. **Claims** made or **suits** brought; or
   c. Persons or organizations making **claims** or bringing **suits**.
3. Any payments made under **COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** for damages shall reduce the Per-Project Aggregate Limit for that particular project. Such payments shall not reduce the applicable General Aggregate Limit nor shall they reduce any other Per-Project Aggregate Limit for any other project.
4. The applicable limits for Each Occurrence, Damage To Premises Rented To You continue to apply. However, instead of being subject to the applicable General Aggregate Limit, such limits will be subject to the applicable Per-Project Aggregate Limit.
5. Regardless of the number of projects covered under this policy, the most we will pay under the terms and conditions of this endorsement is $5,000,000.

II. For all amounts which the **insured** becomes legally obligated to pay as damages caused by **occurrences** under **SECTION I – COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** which cannot be attributed only to **covered operations**:

1. Any payments made under **SECTION I –COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY** and **Coverage D.1 – Contractors Pollution Legal Liability** and **Coverage D.4 – Microbial Substance Contractors Pollution Liability** for damages shall reduce the amount available under the General Aggregate Limit or the Products Completed Operations Aggregate Limit, whichever is applicable; and
2. Such payments shall not reduce any Per-Project Aggregate Limit.

III. When coverage for liability arising out of the **products-completed operations hazard** is provided, any payments for damages because of **bodily injury** or **property damage** included in the **products-completed operations hazard** will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Per-Project Aggregate Limit.

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IV. If the applicable project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the particular project will still be deemed to be the same project.

V. The provisions of **SECTION V – LIMITS OF INSURANCE** not otherwise modified by this endorsement shall continue to apply as stipulated.

VI. This endorsement does not apply to any Designated Construction Project(s) which has been specifically endorsed to this policy on a General Aggregate Limit endorsement showing the Designated Construction Project(s) in a **SCHEDULE**.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

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POLICY NUMBER: A0184422001

ADDITIONAL INTEREST SUPPLEMENTAL DECLARATIONS

The following additional interests apply to this policy.

Any person or organization you are required to add as an additional insured under a written contract or written agreement in effect prior to any loss or damage.
PO Box 280
Battle Ground, WA 98604-0280

CA 76 01 06 15	Designated Insured - Primary and Noncontributory - Covered Autos Liability Coverage

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Any person or organization from whom you are required to waive your right to recover under a written contract or agreement in effect prior to any loss or damage.
PO Box 280
Battle Ground, WA 98604-0280

CA 04 44 10 13	Waiver Of Transfer Of Rights Of Recovery Against Others To Us (Waiver Of Subrogation)

Bank of America
600 Peachtree St NE
Atlanta, GA 30308-2219

Columbia Community Credit Union
PO Box 324
Vancouver, WA 98666-0324

First Midwest Equipment Finance Co ISAOA
80 Gordon St
Elk Grove Village, IL 60007-1119

Isuzu Finance of America, Inc
Its Successors & Assigns
2500 Westchester Ave Ste 310
Purchase, NY 10577-2578

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM
BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

Named Insured:
Endorsement Effective Date:

SCHEDULE

Name(s) Of Person(s) Or Organization(s):
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

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1 00001 0000000000 21341 0 N dba5e592-2ff6-425c-9173-63e0fcf71d94

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED INSURED - PRIMARY AND NONCONTRIBUTORY - COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
AUTO DEALERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated.

Named Insured:
Endorsement Effective Date:

SCHEDULE

Name Of Person(s) Or Organization(s):
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. Each person or organization shown in the Schedule is an "insured" for **Covered Autos Liability Coverage**, but only to the extent that person or organization qualifies as an "insured" under the **Who Is An Insured** provision contained in:

(1) Paragraph **A.1.** of **Section II - Covered Autos Liability Coverage** in the Business Auto and Motor Carrier Coverage Forms; or

(2) Paragraph **D.2.** of **Section I - Covered Autos Coverages** of the Auto Dealers Coverage Form.

B. Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other auto insurance issued to the person or organization in the schedule under your policy provided that:

(1) The person or organization is a Named Insured under such other insurance; and

(2) Prior to the “accident” you have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the person or organization.

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1 00001 0000000000 21341 0 N b847f3bd-b3c9-4821-b650-2e9d812ecc89

Carrier no: 20001

Endorsement no: WC000313
(Ed. 430B)

SAIF policy: 861034 3 Kings Environmental Inc

Waiver of Our Right to Recover from Others Endorsement

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule.

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

Schedule

Description:	ALL OPERATIONS
Contractor name:	Persons and/or organizations with whom the insured-employer is required by written contract to waive subrogation rights.

This endorsement does not alter the rights of an injured worker to pursue recovery from another party or SAIF to receive a statutory share of recoveries by an injured worker, even from the party listed in the schedule.

The premium charge for this endorsement is based on one (1) percent of your manual premium.

Effective date: April 2, 2023

This endorsement changes the policy to which it is attached and is effective on the date issued unless otherwise stated.

Countersigned March 27, 2023 at Salem, Oregon

WC000313
(Ed. 430B)

Chip Terhune
President and Chief Executive Officer

400 High Street SE
Salem, OR 97312
P: 800.285.8525
F: 503.373.8020

ENDORSEMENT

This endorsement forms a part of the policy to which it is attached. Please read it carefully.

CHANGE ENDORSEMENT

Policy Number	Endorsement Effective Date	Endorsement Number
FFX2027740-14	5/19/2023	1

INSURED'S NAME AND ADDRESS:

3 Kings Environmental, Inc.
P.O. Box 280
Battle Ground, WA 98604

Surplus Lines Tax: $286.54
Surplus Lines Stamping Fee: $14.33

In consideration of the Additional Premium of $14,327, it is hereby agreed and understood that the above referenced policy is amended as follows:

Policy is endorsed midterm in order to increase policy the policy limit from $5,000,000 Each Occurrence / $5,000,000 Policy Aggregate to $10,000,000 Each Occurrence / $10,000,000 Policy Aggregate, effective 5-19-2023, for an additional term premium of $14,327.

ALL OTHER TERMS AND CONDITIONS OF THE POLICY SHALL APPLY AND REMAIN UNCHANGED.

This contract is registered and delivered as a surplus line coverage under the insurance code of the state of Washington, Title 48RCW. It is not protected by any Washington state guaranty association law.

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Site Construction Plan/ Site Demolition Plan
Former Water Treatment Facility Demolition

14498 River Bend Road
Mount Vernon, WA 98273

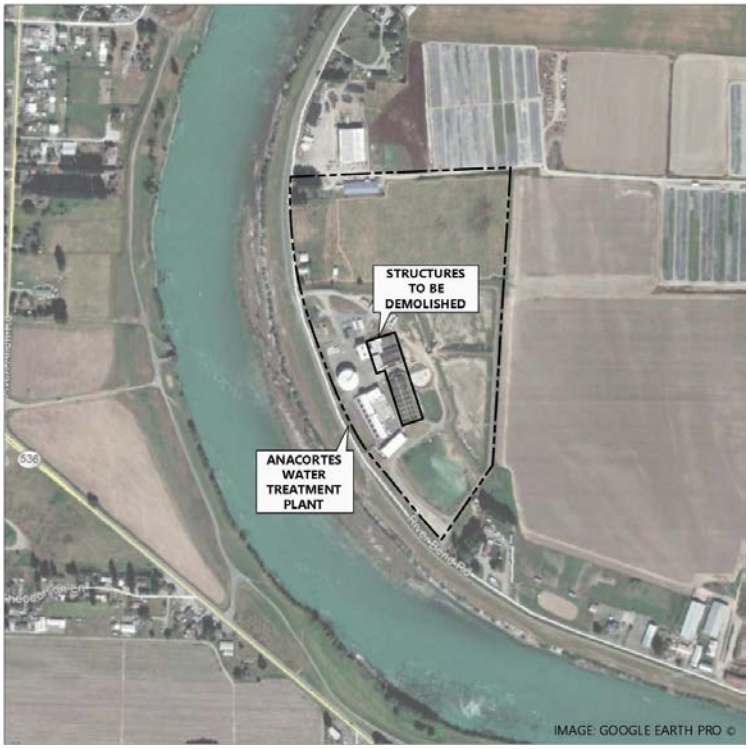


TABLE OF CONTENTS

1.0 PROJECT AND SITE DESCRIPTION 2

2.0 GENERAL WORK ACTIVITY OVERVIEW 2

2.1 WORK HOURS AND SCHEDULE 3
2.2 EQUIPMENT /MATERIAL STAGING AND PARKING 3
2.3 DEBRIS/STOCKPILE STAGING 4
2.4 HAUL ROUTE / ESTIMATED VEHICULAR TRAFFIC 4

3.0 HEALTH AND SAFETY 4

3.1 ACTIVE FACILITY PROTECTION PLAN 4

4.0 PRE-STRUCTURAL DEMOLITION ACTIVITIES 5

4.1 PRE-DEMOLITION SURVEY AND HAZARDOUS MATERIAL ABATEMENT 5
4.2 REFRIGERANT AND HYDRAULIC FLUID 5
4.3 UTILTY DISCONNECTS AND PROTECTIONS 6

5.0 GENERAL DEMOLITION ACTIVITIES 6

6.0 MATERIAL RECYCLING AND DEMOLITION DEBRIS DISPOSAL 7

7.0 DUST CONTROL MEASURES 7

8.0 STORMWATER POLLUTION PREVENTION (SWPPP) AND EROSION CONTROL PLANS (ECP) 7

9.0 HOT WORK PERMIT 7

APPENDIX A: Hazardous Building Material Survey
APPENDIX B: Dust/FOD Control Plan
APPENDIX C: Staging Plan
APPENDIX D: Engineering Surveys
APPENDIX E: Landfills and Recycling Facilities / Waste Management Plan
APPENDIX F: Asbestos Abatement Plan
APPENDIX G: Decontamination Plan
APPENDIX H: Construction Quality Control Plan
APPENDIX I: Traffic Control Plan
APPENDIX J: Water Management Plan

Emergency Phone Numbers

Ambulance	911	911
Fire	911	911
Police	911	911
Hospital	Skagit Valley Hospital	360-424-4111
Urgent Care	Skagit Regional Clinics- Riverbend Urgent Care	(360) 814-6800
3 Kings Corporate Office	15001 NE 10th Ave., Vancouver, WA 98685	(360) 666-5464
3 Kings Puyallup Office	6319 112th St. E Puyallup, WA 98373	(253) 750-4143
Site Superintendent	Tom King	(360) 921-8702
Project Manager	Jason Hawks	(360) 949-5822
Onsite Contacts	Steve Crowe	(360) 869-8922
City of Anacortes Project Manager	Brian McDaniel	(360) 299-1971
City of Anacortes Project Engineer	Rebecca Desrosier	(360) 560-6696
~~**3 King Assistant Project Manager**~~	~~Olivia Merritt~~	~~(360) 784-2012~~
Site Safety Officer	Tom King	(360) 921-8702
Alt. Site Safety Manager	Jason Hawks	(360) 949-5822
Safety Manager	Randy Goecke	(360) 624-3834

Utility Contacts:

PSE Skagit County	Electrical	(888) 225-5773
PSE Natural Gas	Natural Gas	(800) 962-9498
Skagit County PUD	Sewer/Water	(360) 424-7104

location and permit information will be provided as they become available

CALL BEFORE YOU DIG – UTILITES UNDERGROUN LOCATION CENTER – 1-800-424-5555 or (811)

811 Know what's below. Call before you dig.

1.0 PROJECT AND SITE DESCRIPTION

3 Kings Environmental, Inc. has prepared this Site construction / Demolition and Removal Plan, hereafter referred to as the "Work Plan", for the purpose of providing a detailed description of demolition and removal procedures, which the demolition contractor (Contractor) will be implementing during the onsite activities at the Former Water Treatment Facility, located at 14489 River Bend Road, Mount Vernon WA, 98273.

The vacant structures to be demolished were previously used as a 2-story administrative building with an attached filtration basin and a sedimentation basin. The adjacent buildings are currently occupied.

The buildings are comprised of concrete, steel, and wood.

2.0 GENERAL WORK ACTIVITY OVERVIEW AND SCOPE OF WORK

The work covered under this work plan will be conducted in a sequential manner. Demolition work will be performed in accordance with L&I, WISHA, DOE, NWCAA, City of Mount Vernon, Skagit County and the requirements of the contract documents (including the Technical Specifications). Depending upon site and other unknown conditions, Contractor's general sequence of demolition activities may require alteration at any given time. No modifications will be made without prior review and acceptance by the engineer, unless to address imminent hazard/ threat to site occupants, personnel, or surrounding area. A summary of the general sequence for the work activities is outlined as follows:

WORK ACTIVITES OVERVIEW & SCOPE OF WORK	• Mobilization of personnel, equipment, and temp facilities to the project site. • Establish site security with barricades and fencing. • Installation of Erosion Control BMP's • Utility disconnects will be coordinated with the Authorities Having Jurisdiction (AHJ). • Implementation of traffic control measures for vehicles entering and leaving the project site as needed. • Excavate, haul and disposal of PCB impacted soils. • Asbestos abatement of regulated materials. • Removal and disposal of PCB coated metals and equipment. • Loose paint removal. • 3 Kings Site Supervisor to conduct demolition engineering survey on each building prior to demolition activities. To include completion and sign off of pre-demolition checklist with owner. • Conduct daily safety meetings. • Provide dust control with water, as needed. Direct application of water to the source of the dust and a dust control cannon to mist the entire work area. • Demolition and removal of sediment basin. • Demolition of administrative building. • We will start by demolishing each structure from the top towards the bottom keeping all debris falling towards the center of the building/structure. Work area will be misted and kept adequately wet to minimize any potential dusts or contaminates from going airborne. • Its is not anticipated that any shoring or bracing will be required for this project. • Building Protection – Safeway Scaffolding will construct a temporary scaffolding wall lined with plywood to project the HSP building from and debris or damage during the demolition of the administration building. • Non-recyclable (PCB contaminated) materials will be loaded into intermodals lined with 20 Mill polyethylene sheeting daily as materials accumulate and disposed of at an approved landfill. Any debris not live loaded will be stored within the structure

	footprint to prevent site contamination. Non-PCB Containing Ferrous and non-ferrous metals to be sorted, staged, and delivered to a metal scrap yard for recycling. • Water management – Excess water will be diverted and collected for filtration prior to discharge. Water will be pumped into tight lined 21,000-gallon tanks prior to being filtered, tested and then discharged into an onsite lagoon if test results are below 0.5 ug/L for PCBs, 15 ug/L for Lead and have Total Suspended Solids less than 30mg/L per the technical specs. • The water will also meet the parameters required by the Construction Stormwater General Permit, Administrative Order Docket #22062 and that all results will be shared with the Engineer prior to discharge. • Backfill and grading of each structure following demolition. • Final grading and site restoration per the plans. • Removal of TESC, temp fencing, barricades, and site security fencing. • Demobilize equipment.

EQUIPMENT	• (2) 330 size excavators • (1) 225 or 323 size excavators • 40 Ton Haul Truck. • D5 Dozer • Roller • Miscellaneous tools – Tooth and smooth buckets, hydraulic hammers, shears, and clam buckets. • Waste management provided tractor with intermodal for debris haul off

CREW INFO	• 1 – 3 Excavators Operators • 6 – 8 Laborers

2.1 WORK HOURS AND SCHEDULE

Our expected work hours are:

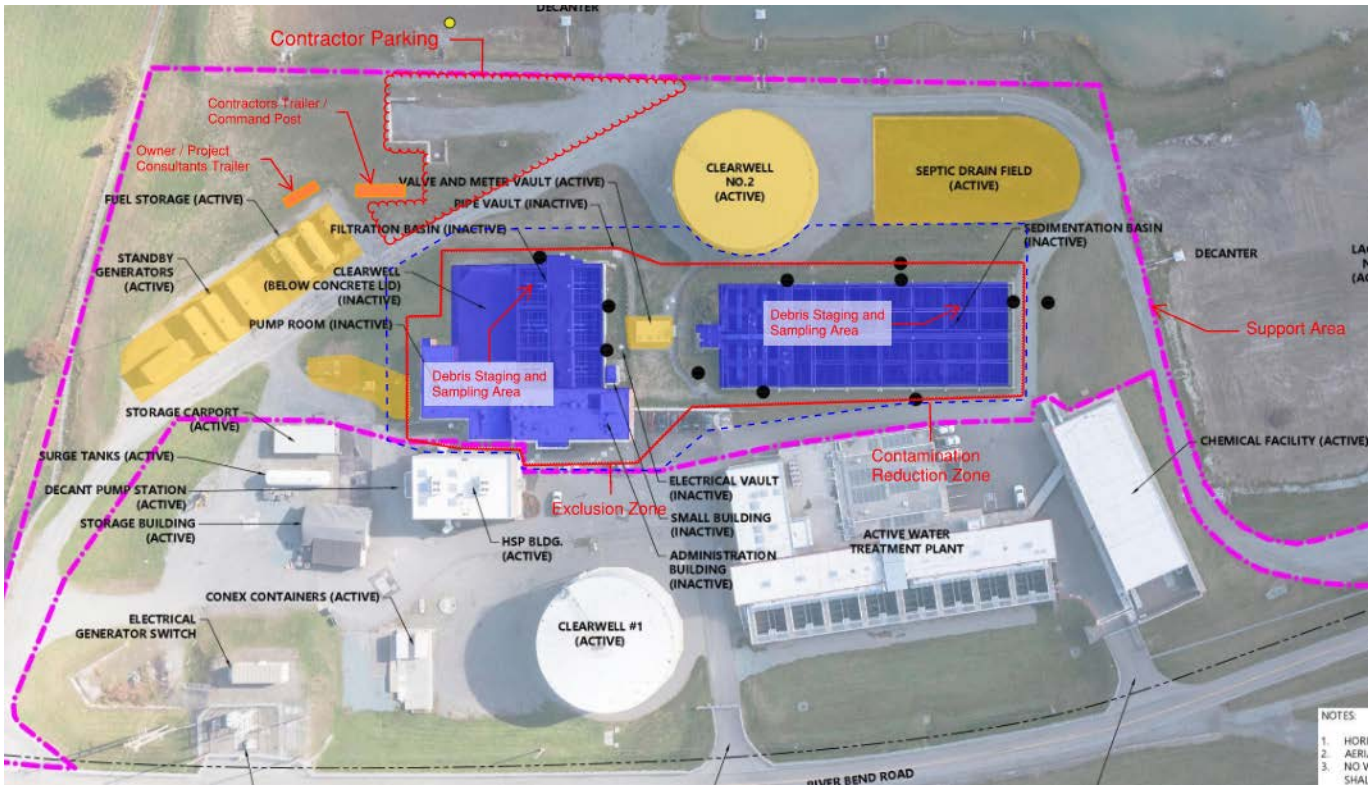
- Monday through Thursday, from 7:00 am to 5:30 pm. See attached Project Schedule

  Work outside of the hours is not anticipated but may change as needed, Subject to pre-approval by owner.
  Work during the fall and winter seasons will be completed with temporary lighting if necessary.
  If working an early or later shift where work lighting will be diminished 3 Kings will utilize temp lighting to provide a safe work area.

2.2 EQUIPMENT / MATERIAL STAGING AND PARKING

Vehicles, materials, and equipment parking will be located inside the work area boundary. Vehicles parking outside this area is not anticipated and prior approval will be needed by the Water Treatment Facility.

3 Kings employees will park within the project boundaries/staging area. In effort to prevent Foreign Object Debris (FOD), trashcans will be placed on-site, and crews will be informed of the importance of preventing FOD and how to reduce its presence on the jobsite.



2.3 DEBRIS/STOCKPILE STAGING

Demolition debris will be hauled offsite as generated to a landfill or stored within the footprint of the structure being demolished until loading can occur. Contaminated materials (anything painted) is considered a PCB Bulk Product Waste (BPW). This material will be stored on the East wall of the sediment Basin and the clean materials will be stored on the West wall of the sediment basin. The filtration basin and clearwell materials will be stored in the building footprint, after all PCB Contaminated building materials are hauled away to the landfill the area will be cleaned and tested prior to any fill being placed and compacted in the structure. Clean concrete will be processed down to specified sizes needed for backfill materials.
Non-paint (clean) Ferrous and Non-ferrous metals to be sorted and recycled, any cleaning or rinsing will occur within the building footprint. Painted Ferrous and Non-ferrous metals to be treated as bulk product waste and loaded out with the painted concrete (BPW).

2.4 HAUL ROUTE / ESTIMATED VEHICULAR TRAFFIC

The specific number of daily truck trips will vary; however, it is estimated that transport truck traffic leaving the site will be less than 12 truck trips per day.

The Haul route onto the site will be from River Bend Road. Trucks will come from the South and exit to the South on River Bend Rd through the access gates on the far North and Far South of the project site. The haul route out of the project site will be leaving through the site access gate and turn left onto River Bend Rd towards Freeway Dr, turn Left onto Freeway Drive then right onto W College Way before getting on I-5.

3.0 HEALTH AND SAFETY

The Contractor considers safety and the prevention of accidents an integral part of its operation. Under Federal, State, and local laws, Contractor is responsible to provide a safe working environment, and to protect life, health and safety of its employees and subcontractor's personnel. All site employees that come in to contact with contaminated materials will be Hazwoper 40-hour training. Although providing safe working conditions is primarily a management responsibility, safety and accident prevention can be accomplished only through coordinated efforts of all employees and subcontractor personnel. If the task or service being undertaken cannot be done safely, the Contractor shall discontinue work until proper controls can be established.

In addition to 3 Kings holding daily tailgate meetings prior to commencement to work, 3 Kings will require that subcontractors, if any, hold similar daily tailgate meetings covering their respective portion of the work. These meetings are designed to discuss the projected work schedule and prepare each worker for any potential hazards associated with the work activities.

A copy of the daily or weekly safety meeting logs will be maintained onsite at all times. All personnel attending the safety meeting will be required to sign the safety-meeting log upon completion of the tailgate safety meeting. During the tailgate meetings, personnel will be reminded of site conditions and are encouraged to participate with health and safety concerns.

At the conclusion of the project, copies of all daily activities will be presented in a final report to the City of Anacortes for distribution to relevant parties, if required.

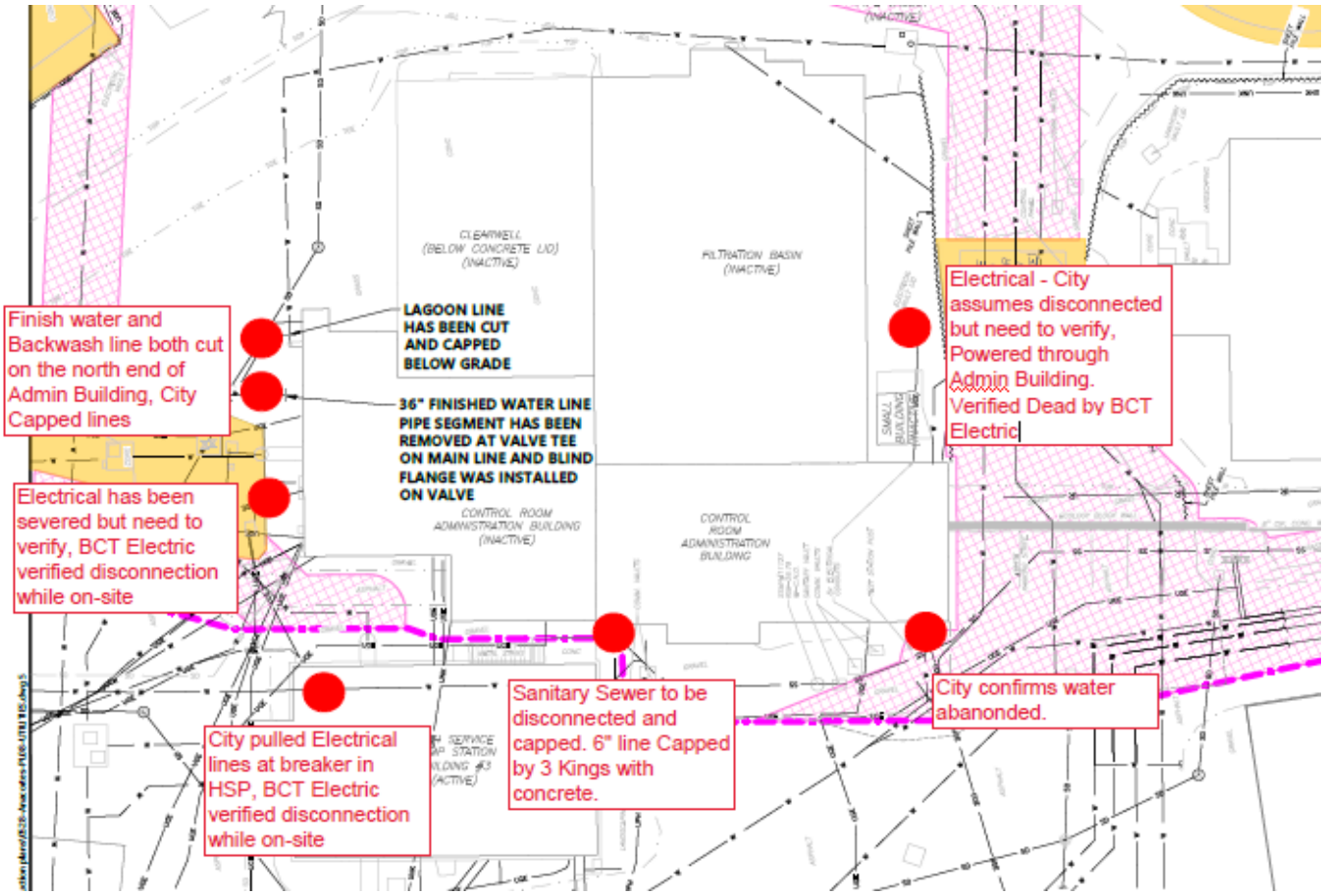
Additional Information: See Site Specific Health and Safety Plan

3.1 ACTIVE FACILITY PROTECTION PLAN

In order to protect the active facility and roadways, 3 Kings will install visible barriers and protection as needed during demolition activities. Protection will include 6’ tall temporary cyclone fencing. Heavy equipment will be limited to the exclusion zone and the contamination reduction zone for the entirety of the project. Gates will be kept closed to prevent unauthorized personnel from entering the work area. Steel plates and warning ropes and signs will be utilized in utility protection zones as laid out in the plans. Dust and debris protections will be installed at the currently operating water treatment facility. All grates and vents will be covered with nonwoven geotextile as outlined on sheet 8 of the plan set.

4.0 PRE-STRUCTURAL DEMOLITION ACTIVITIES

Prior to demolition, 3 Kings will ensure all utilities called out for disconnection have been disconnected. Private utilities will be disconnected by 3 Kings or their subcontractors. Electrical disconnection was verified by BCT Electric. Water and Septic will be disconnected or verified to be disconnected by 3 Kings. All disconnects will be by cut and cap. Drains to remain will be plugged with non-shrink concrete grout. (A plan (figure) will be kept onsite and red lined with the utility disconnect locations and plug cap type listed for each location.



Please see job trailer for updated plan for locations of the disconnect as they are discovered. Existing monitoring wells will be decommissioned by Holt Services per DOE guidelines. Removal of residuals from the sediment basin and clearwells. Removal of the filter media from the filtration basin. Verify all regulated and miscellaneous items have been removed. Removal of all the equipment remaining in the sediment basin, filtration basin, clearwell and buildings. Removal of all metal rails and stairs will be done during demolition. Provide broom cleaning of the basins and clearwell during demolition. Dust protection will be installed on the currently operating water treatment facility as described above. Once all the items listed above are completed the structural demo can begin.

4.1 PRE-DEMOLITION SURVEY AND HAZARDOUS MATERIAL ABATEMENT

Asbestos Abatement to take place prior to commencement of building demolition, a thorough walkthrough and evaluation of the building will be conducted to confirm that all appropriate measures have been completed to ensure that the area is ready for commencement of demolition activities. Pre-Demolition Survey Reports have been completed for the Property, which are provided in Appendix A.

4.2 REFRIGERANT, HYDRAULIC FLUID AND LUBRICATING OILS

Refrigerants

If present 3 Kings will notify the owner immediately upon discovery and coordinate the proper recovery of such refrigerants.

Hydraulic Fluid

If present 3 Kings will notify the owner immediately upon discovery and collect samples for testing prior to disposal of said materials in a proper fashion.

Lubricating Oils
Oils will be drained from the pumps and motors found at the site. Collected oils will be tested for PCBs and disposed of properly upon receipt of results.

4.3 UTILTY DISCONNECTS AND PROTECTION

Prior to demolition, the abatement team will arrange to shut off county-owned utilities prior to abatement of the facilities. 3 Kings will arrange for private utilities to be shut off and capped and/or sealed as called out in plan page 5. The demolition work will not start until utility disconnects have been completed and verified in writing. 3 Kings will coordinate and schedule, with 5 days' notice or as conditions arise, all inspections required by the permitting agency and obtain permitting agency sign-off.

Ground and utilities protection will be done by placing large steel plates over the vital areas as shown on the plans as utility protection area (Sheet 5 of 19). These plates will further help disperse the already low ground pressure of the demolition equipment as the work near or over the protected utilities.

5.0 GENERAL DEMOLITION ACTIVITIES

In general, the tasks will include a variety of procedures. The most important aspect in the development of these procedures will be the safe conduct of the work. Contractor's procedures will limit the use of labor to the most controlled and safe conditions and rely upon mechanized means of removal wherever possible. Modern hydraulic demolition tools and attachments will be utilized. Wherever possible, large structures will be removed to ground level using mechanical means. Subsequent sizing of scrap materials such as steel and rebar and other material processing activities will take place at grade level. Where materials are to be hauled off the ground adjacent to the disposal containers will be lined with 20 Mil Polyethylene sheeting, debris loaded over the sheeting into lined trucks and hauled offsite and/ or recycled accordingly. Crews working directly with the PCB contaminated soils and building materials will wear Shieldtech 30 Microporous coveralls and ½ face respirators along with nitrile chemical gloves. Dust suppression will utilize direct application of water by hose at the source of the potential dust and will also include overall dust suppression by using a water cannon (HKD Blue V-400T) powered by a 70 KW generator.

General building/structure demolition and any site demolition to include asphalt pavement or concrete removal will be conducted in a manner that does not interfere with or encroach upon the existing surrounding pedestrian and vehicular traffic during normal activities. The 3 Kings will provide construction fencing around the project site and 3 Kings and its sub-contractors will work within the confines of the site fencing whenever possible, all active areas will be labeled and maintained throughout the project. However, depending upon site and structure conditions, alternative methods of demolition and alternative types of equipment may be used to ensure the safest and most efficient means of operation. This may involve modification of the site fencing from time to time in order to complete the demolition activities. This will always be coordinated with the owner's rep in advance.

Requests for Information (RFIs) will be issued as needed if questions or scope issues arise during the course of the demolition activities. Field activities related to any RFIs will not occur until an appropriate answer has been provided.

Detail of the demolition will be as follows:

Removal of PCB contaminated soils prior to demolition of the sediment basin, any known contaminated materials in the basin are to be removed prior to removing any clean materials, if for any reason staging needs to occur the East wall of the sediment basin will be utilized to store materials until loading and hauling can occur. The expansion joint and surrounding concrete will be removed and disposed of as PCB containing materials. Once the bulk of the interior work is complete the exterior perimeter soils will be cleaned of any paint chips that may have fallen during the course of the demolition. Remaining clean soils will be excavated to approx. 2' below the existing grade. Concrete perimeter walls will be demolished to 2' below existing grade and treated as PCB contaminated concrete. After removal of PCB painted materials are removed 3 Kings will broom clean the area prior to starting clean concrete demolition. Once all demolition is complete a washdown of any remaining materials will take place and engineer will collect wipe or concrete samples to ensure that all areas are clean and free of contamination. Once the area has passed testing and inspections 3 Kings will proceed with backfill. Per the drawings the slab on the sediment basin will remain in place, once the area is prepped for backfilling the slab will be fractured in 10' increments prior to placement of backfill material.

Removal of media on the filtration basin will take place after proper sampling and testing of the media to ensure materials removed will not be a concern for potential contamination, if all tests are clear the materials will be stored for reuse onsite, if materials show contamination the filtration media will be removed and hauled to the proper facility for disposal. The paints and contaminated concrete areas on the filtration basin and the inactive clearwell will be demolished and stockpiled in the building footprint if needed until it can be loaded and hauled to the specified disposal facility. As demolition continues the contaminated materials will be removed and the area will be cleaned and prepped for inspection and testing. Once complete, clean materials will be removed and prepared for reuse onsite.

Prior to demolition starting regulated and containerized materials will be removed and documented on the pre-demolition checklist. Construction of the protective barrier between the admin building and the HSP building. Barrier will be constructed by Safeway Scaffolding and be sheeted with plywood sheeting to protect the HSP building from debris and equipment. Scaffolding will be approximately 70 LF long and approximately 30' tall, Scaffold will be a 5' wide free-standing unit lined with a ¾" plywood. Installation date is the 3rd and 4th week in October 2023. Demolition will begin on the administration building beginning nearest to the filtration basin and progress to the north. Along the northwest side of the building adjacent to the existing building to remain, scaffolding with plywood will be erected to protect the adjacent building. Construction of the protective barrier between the admin building and the HSP building will be constructed by Safeway Scaffolding and be sheeted with plywood sheeting to protect the HSP building from debris and equipment. Materials will be demolished and hauled to an approved WM facility, all materials will be broken down into proper and manageable sizes and hauled away as contaminated materials PCB Bulk Product Waste, at this time the PCB coated metals and piping will be broken down with proper equipment and removed from the site as a bulk product waste with the concrete.

– Clean material management, materials will all be worked from within the building footprint. Moving clean materials from south side to north side, all done within the footprint, process down to 4" minus using excavator with a processor attachment. Making sure that the north side is cleaned and fractured first, if moving the pile back and forth a few times, work areas will be broom swept and approved, and the south side will be cleaned, sampled, and fractured before spreading it south of the trough. Spread out clean and processed materials over fractured and clean slab and roll with 60" roller. Lifts will be 12" and compaction testing with be performed in between lifts.

– Verification that oil reservoirs are empty and how the pumps will be handled during demolition. Visual verification that all free product has been removed from the pumps (Supervisor (Jose) will walk the building with Anchor and tag the pumps that have been drained). Drained pumps with then have an oil absorbent pad placed in the drain ports to absorb any remaining residual oils. Landfill just requires that all the free product is removed prior to shipment. Pumps will then be loaded out as bulk product waste. Pumps will remain intact and loaded into dumpsters with an excavator. WM confirmed the pumps can be loaded out whole without additional processing.

GENERAL SEQUENCE OF THE ADMIN BUILDING – General sequencing will be determined onsite by the site superintendent during the development of the engineering survey. Any changes to the sequence will be discussed with he engineer and approved prior to execution of the changes.

- Removal of non-painted materials and equipment. Removal of non-painted metal for scrap will also occur during demolition (rebar, piping, etc.)
- Removal of wood baffles in the clearwell
- Utility protections will be installed
- Utility connections – verified dead, capped and/or disconnected/ airgapped.
- Filter media staged on the south side of the filter basin will be moved via haul truck to the stockpile next to the clearwell roof.
- Saw cut or break with the excavator and processor the clearwell roof approx. 6" from contaminated wall so the wall is easily separated from the clean slab roof.
- Demolition of the clearwell roof. Remove and segregate as clean material.
- Clean filter tile material will be removed with the excavator. Long Reach excavator will be used to scrape filter tile off the clean slab where it will be segregated from the dirty materials. A spotter will be used to assist in the removal of the tile material.
- Contaminated demo will start at the SE corner of the filtration basin and working east to west. The contaminated walls will be removed down to the clean slab under the filter tile. The clean filter tile will have already been removed prior to the demolition.
- The north wall of the filtration basin will be left until the clearwell roof is saw cut (or other) and separated from the contaminated material.
- Machines will track along the outside of the building since the clearwell roof will not support it. A long reach excavator will be utilized to increase reach.
- After the contaminated material is removed to the clean slab under the filter basin bays the bays will be broom cleaned and inspected prior to demolition of the clean slab material. Similar to the demolition of the sedimentation basin, separate piles will be established and maintained for the PCB BPW material and the clean material for reuse.
- Loadout of material will be from the SE corner of the filtration basin.
- At some point the machine will not have reach to demo from the outside and a ramp down into the clearwell and a pad to loadout on will have to be established in the SE corner of the filtration basin.
- From that point the process will be to demo the contaminated material down and remove that before removing the clean material under.
- Clean slabs on grade will be left until all the dirty demolition debris has been removed.
- Demolition of the admin building will be from the top down, pulling debris in toward the center of the building.
- Specifications for the protective barrier installation have already been provided.
- As conditions change or the sequence is adjusted the Engineer will be informed and approve the new methods.

Work areas will be broom cleaned and inspected by the engineer prior to demolition of the clean concrete. Upon completion of all the demolition the remaining concrete materials will be washed down, all wastewater collected in the onsite storage tanks prior to being treated/ filtered. Surface sampling will be completed by the onsite engineer to ensure that the contaminates are gone, once all areas have been cleared of PCB and Asbestos containing material backfilling can occur allowing the grading and site restoration to begin. Once backfilling begins imported materials will begin arriving onsite, prior to importing materials 3 Kings will utilize recycled materials saved and provided by the owner. Fill material certifications meeting the contract specifications will be provided to the owner and owners consultant prior to use of such materials. Compaction and testing will occur throughout the process to ensure proper compaction is in place prior to any hydroseeding taking place.

6.0 MATERIAL RECYCLING AND DEMOLITION DEBRIS DISPOSAL

In accordance with the project specifications, all PCB contaminated demolition debris will be loaded into intermodals and hauled to Chemical Waste Management. Clean concrete will be reused onsite as fill and clean ferrous and non-ferrous metals will be taken to a metal recycler.

3 Kings will track the various waste streams and provide disposal receipts with quantities, as required by the contract documents. All waste manifests will be tracked and logged on a spreadsheet to ensure proper quantities and clarifications can be achieved.

Additional Information: See Waste Management Plan.

7.0 DUST CONTROL MEASURES

Dust control will be considered an important part of the overall project. Contractor will utilize a water truck and/or fire hose attached to a local hydrant with a water hydrant meter including an appropriate backflow preventer during demolition operations. Contractor will direct a localized fine water spray to the source of demolition activities, as required, thereby reducing airborne dust particles. In addition to a direct spray of water to the source of the dust, 3 Kings will utilize a dust control cannon to further remove any potential dust to the surrounding area. Dust control cannon is an HKD Blue V-400T, this unit is powered by a 70 KW generator, aerial misting cannon should keep the site clean and clear from tracking. To minimize the run-off of water, the water supply will be used only when necessary. Dust and debris protections will be installed at the currently operating water treatment facility. All grates and vents will be covered with nonwoven geotextile as outlined on sheet 8 of the plan set. A detailed Dust Control Plan is provided as Appendix B.

If needed water runoff will be controlled using wattle and/or sandbags in order to divert water from the movement area.

Additional Information: See Water Management Plan.

If visible fugitive dust emissions are observed or respirable crystalline silica or PCB concentrations exceed applicable PELs beyond the perimeter of work area, the water treatment facility is authorized to stop work. Necessary corrective actions will be taken before resuming work.

Particulate action level: See Table 2 of the Air Monitoring Plan

Table 2-2
PM_{10} Action Levels and Response Actions

Monitoring Location	Action Level Monitoring Period	PM_{10} Action Level[1]	PM_{10} Response Action
Site perimeter	Instantaneous	Visible dust (emanating from work operations) and migrating outside the work area or Site perimeter	• Stop work. • Identify source of visible dust and implement control measures. • Resume work after source of visible dust has been controlled (such that there is no visible dust documented at the Site perimeter).
	15-minute average	PM_{10} <100 µg/m³	• Perform normal operations
		PM_{10} ≥100 and <150 µg/m³	• Identify source of dust and implement control measures.
		PM_{10} ≥150 µg/m³	• Stop work. • Identify source of dust and implement control measures. • Resume work after source of PM_{10} has been controlled.

Note:
1. The PM_{10} action levels listed above may be adjusted by the Engineer based on the background (upwind) PM_{10} concentrations observed, as determined through real-time background (upwind) monitoring.
2. Specific control measures shall be proposed by the Contractor; however, potential control measures that may be employed are provided in Section 3.
3. Averaging procedures will be based on the specific equipment selected for the monitoring activities. For the PM_{10} monitoring, an estimated three readings per minute will be collected and averaged to generate the 15-minute average concentrations.

Additional Information: See Dust and Silica Control Plan.

8.0 STORMWATER POLLUTION PREVENTION (SWPPP) AND EROSION CONTROL PLANS (ECP)

Erosion control will follow the requirements for storm water management and erosion control as specified in the SWPPP and BMP's will be used. See drawings 6, 7 & 8 for locations of erosion control measures.

9.0 HOT WORK PERMIT

Although a Hot Work permit is not required (i.e., torch cutting, flame heating, brazing, grinding, welding), personnel shall follow safe work practices. While cutting operation is in progress a fire watch person shall be nearby with a fire extinguisher or a fire hose. After the cutting operation is complete, the fire watch shall be maintained for 1 hour after cutting has ceased. Hot work is anticipated on the Sheet pile wall located near the sediment basin and shall be completed to the specifications listed above. No hot work is to be performed on any coated materials onsite. 3 Kings will submit a request for use of flame emitting devices at least 14 days prior to the proposed use of the device, per the specifications.

All equipment, job trailers and company vehicles shall have fire extinguishers onboard.

APPENDIX A
Hazardous Materials Survey

ASBESTOS-CONTAINING MATERIAL INSPECTION FOR DEMOLITION

CITY OF ANACORTES
FORMER WATER TREATMENT PLANT
MOUNT VERNON, WASHINGTON

Prepared by EMB Consulting, LLC
June 20, 2022

EMB CONSULTING, LLC
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Project Title: Asbestos-Containing Material Inspection for Demolition

City of Anacortes
Former Water Treatment Plan
14489 River Bend Road
Mount Vernon, WA 98273

Prepared for: Anchor QEA
1605 Cornwall Avenue
Bellingham, WA 98225

EMB Consulting Project Number: 1511

Elisabeth Black
Certified Industrial Hygienist
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Issue date: June 20, 2022

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TABLE OF CONTENTS

1.0 EXECUTIVE SUMMARY 1

2.0 PROJECT BACKGROUND 2

2.1 Site Description 2
2.2 Report Organization 2

3.0 APPLICABLE REGULATIONS 3

4.0 INSPECTION METHODOLOGY 3

5.0 INSPECTION RESULTS 4

6.0 CONCLUSIONS AND RECOMMENDATIONS 14

7.0 LIMITATIONS 14

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ASBESTOS-CONTAINING MATERIAL INSPECTION
FOR DEMOLITION
CITY OF ANACORTES
FORMER WATER TREATMENT PLANT
MOUNT VERNON, WASHINGTON

1.0 EXECUTIVE SUMMARY

This asbestos-containing material (ACM) inspection report presents the results of the demolition-level inspection at the former City of Anacortes Water Treatment Plant (WTP) in Mount Vernon, Washington. This report was prepared for Anchor QEA in support of their client, the City of Anacortes.

The City of Anacortes recently constructed a new Water Treatment Plant on the same property as the former WTP. It is EMB Consulting's understanding that the former Water Treatment Plant facilities will be demolished. This inspection was conducted to identify ACM that will require removal or special handling and disposal during demolition.

The structures that are the subject of this inspection are limited to:

- the former Water Treatment Plant building (WTP);
- the former filtration bays attached to the east side of the former WTP; and
- the former sedimentation bays located separately and to the south of the WTP and filtration bays.

The clear well and interior basins of the sedimentation bay were not accessible for this inspection and are specifically excluded.

The following table summarizes the results of EMB Consulting's ACM inspection for the three structures based on field observations and analytical results of the samples collected during the inspection. ACM was only identified in the former WTP building.

Asbestos-Containing Material	Estimated Quantity for Demolition
Cement Asbestos Board	14 panels each (6' x 3')
Cove Base Mastic	70 lf
Electrical Insulator Blocks	80 each
Electric Wire Wrap Bundles	2,000 lf
Mastic (from former vinyl floor tiles)	3,000 ft^2
Roofing Caulk around Drains	20 ft^2
Sink Undercoat	1 sink
Vinyl Floor Covering	300 ft^2
Window Putty	1 window each

lf linear feet
ft^2 square feet

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2.0 PROJECT BACKGROUND

2.1 Site Description

The ACM inspection occurred at the decommissioned former Water Treatment Plant (Site) situated adjacent to a new, operating water treatment plant (WTP) that is owned and operated by the City of Anacortes. The Site is located in Mount Vernon, Skagit County, Washington. The Site is no longer in active use and is scheduled to be demolished.

The Site and current WTP are located on Skagit County Parcel #21669 at 14549 River Bend Road in Mt. Vernon, Washington (Property). The former WTP buildings were constructed between 1969 and 1970 and used for treatment of water from the Skagit River prior to transfer to the City of Anacortes municipal water storage and distribution network.

The Site was taken out of service in 2013, when a new WTP was completed in a directly adjacent location on the Property. The Administration Building, Sedimentation Basin, Filtration Basin, and Clear Well associated with the Site are not active.

The former WTP building is a two-story concrete and masonry structure on concrete over the subterranean clear well. The building has flat roofs with asphalt surfacing. There is a lower roof over the single-level Pump Room and a higher roof over the second story portion of the building. There is also a small third roof over the “cupola” section of the roof and a fourth roof over the building entry. All roofs appear to be of the same construction and age. Based on site inspection and confirmed by historic building plans, there are 17 roof drains across the four roof levels.

Interior finishes for the former WTP building include terrazzo flooring in the first floor entry, west stairs, and second floor landing. Remaining first floor areas have bare concrete floors. The second level has vinyl flooring over concrete. Several layers of recent and older flooring were identified and documented in this report. Walls throughout are bare concrete or covered with decorative tile (second floor). Ceilings are bare concrete or are covered by a suspended ceiling tile framework.

Heating was provided to the building by wall-mounted electrical units.

The filtration and sedimentation bays are simple concrete structures with metal equipment and piping in their interiors. There is a large cork and caulk expansion joint in the middle of the sedimentation bay. The only finishing materials identified are caulks, coatings, and leveling compounds.

2.2 Report Organization

This report is organized to provide an executive summary, this project background, regulations, inspection methods, results, and conclusions. Attachments provide building figures with sample locations, results tables, and laboratory results.

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Sample location plans were created using aerial imagery to document exterior sample locations. For documentation of interior sample locations, existing plans were used where available.

3.0 APPLICABLE REGULATIONS

The Washington State Division of Occupational Safety and Health (DOSH) and the Environmental Protection Agency (EPA) regulate building materials that contain more than one percent asbestos as ACM for protection of human health and the environment.

DOSH also regulates worker exposure to airborne asbestos fibers during general work activities and construction and demolition activities (WAC 296-62-077). Worker exposure to airborne asbestos fibers must be below the Permissible Exposure Level (PEL) of an 8-hour time-weighted average (8-hr TWA) of 0.1 fibers/cubic centimeter (cc) of air. DOSH regulations establish engineering controls and work practices that are designed to mitigate workers exposure to asbestos in the workplace.

The Northwest Clean Air Agency (NWCAA) regulates the release of airborne asbestos fibers in Skagit County and surrounding areas. Specifically, NWCAA under regulation NWCAA section 570 regulates emissions of asbestos during building renovation and demolition projects. This regulation requires that an asbestos inspection be conducted prior to demolition, that NWCAA be notified prior to commencing with demolition activities, that ACM be removed prior to demolition, and that asbestos-containing waste materials be properly removed and disposed of in a manner that prevents the release of airborne asbestos fibers.

In addition, the EPA requires asbestos abatement workers and supervisors be trained and certified in accordance with Appendix C to Subpart E of 40 CFR 763. The Washington Department of Labor and Industries (L&I) also has training requirements for abatement workers in WAC 296-65. The EPA and L&I training and certification requirements apply to abatement work for structures at the subject property.

4.0 INSPECTION METHODOLOGY

The inspection was conducted over three days: February 25 and 26 and March 28, 2019. Upon arrival at the site, EMB Consulting inspected the interior and exterior portions of the structures to identify suspect materials. Samples of suspect materials were collected by Asbestos Hazard and Emergency Responses Act (AHERA)-certified Building Inspector Elisabeth Black, CIH of EMB Consulting. The building inspector used the sampling procedures specified in EPA's AHERA regulations under 40 CFR 763.86.

The inspector collected samples of suspect materials and marked the sample locations on the building floor plans. Samples were placed in sample bags and each sample was assigned a unique sample number. The number of samples collected was based on

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materials identified as homogeneous and the best professional judgment of the inspector.

Table 1 provides a complete list of the samples of suspect ACM analyzed for this project. Samples were recorded on a chain of custody form for delivery to the analytical laboratory. Samples of suspect asbestos-containing materials were hand-delivered to NVL Laboratories, Incorporated, in Seattle, Washington, where the samples were analyzed by polarized light microscopy (PLM, EPA Method 600/R93/116). NVL is accredited by the National Institute of Standards and Technology (NIST) under the National Voluntary Laboratory Accreditation Program (NVLAP) to perform asbestos analysis.

For materials that were identified as or assumed to be ACM, EMB Consulting calculated estimated quantities of material that will require abatement prior to demolition. ACM quantity estimates are provided in Table 1 for each material.

5.0 INSPECTION RESULTS

The results of the ACM inspections are summarized in this section. All confirmed ACMs and a summary of quantities of ACM identified by EMB Consulting are presented in Table 1 in **bold** print. Confirmed ACM was only identified in the WTP building. Each ACM is presented below with a description, estimated extent, and photograph.

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- Cement Asbestos Board (CAB) ACM panels were identified above the west entrance to the WTP building, as illustrated below. There were two panels for each façade section, for a total of 14 CAB panels. The panels measure approximately 3-feet by 6-feet.

Sample ID WTP-1-CAB1-1

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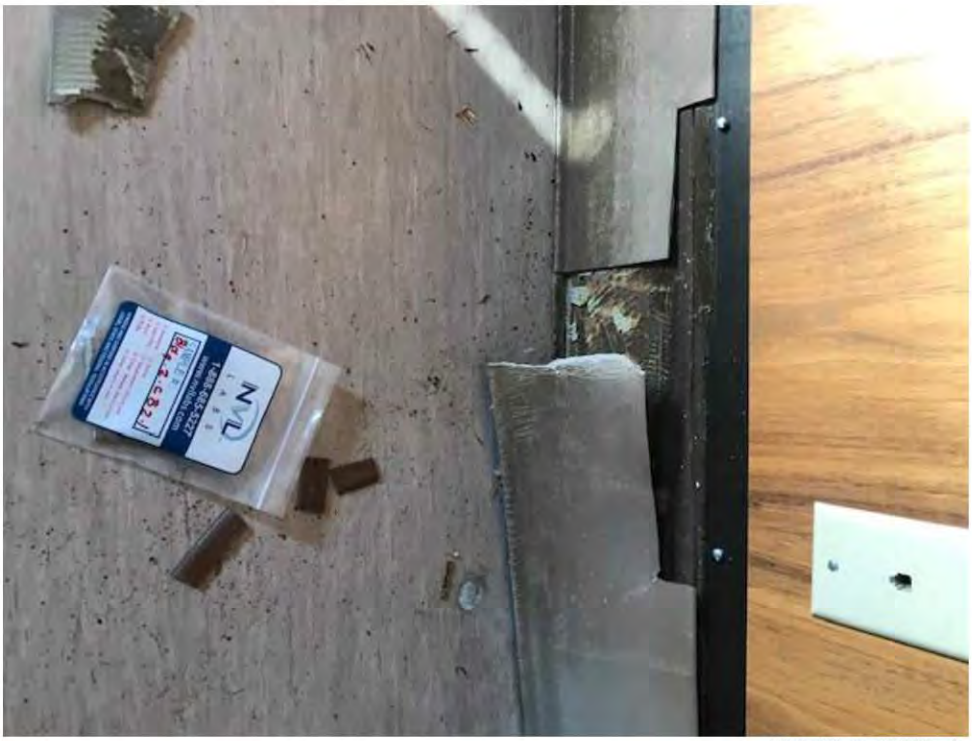
- The office located on the second floor of the WTP building had different finishing materials from the rest of the building, to include ACM cove base mastic. An estimated 70 linear feet of the material is present in the office.



WTP-2-CB2-1

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- ACM electrical insulator blocks are present in electrical cabinets in the Pump Room along the east wall, but may be present in other areas of the building that were not readily accessible (within locked electrical cabinets or behind panels). An estimated 80 ACM blocks are present in the building.

WTP-1-IB1-1

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- Electric wire wrap was confirmed as ACM in three of seven samples of electrical wire wrap identified in the Pump Room of the WTP building. Based on the sample results, it appears that only the brown fabric wrap is ACM, however, the wires are comingled in bundles with more than one color of wire wrap in each bundle. For the purpose of this report, all electrical wire fabric wrap is assumed ACM. Quantification of wire wrap is difficult as wires join, uncouple, and join again, often within cabinet or wall cavities. An estimated 2,000 linear feet of ACM bundled wires are present in the building.

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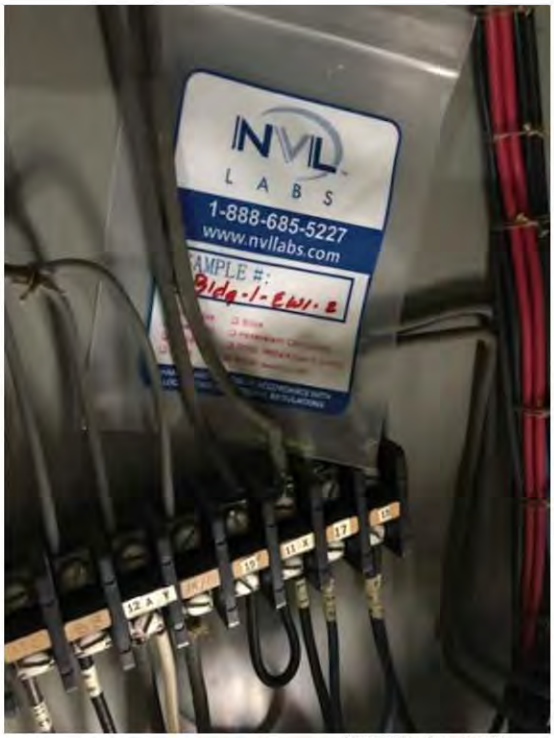

WTP-1-EW1 and EW2

- The sink in the second floor laboratory of the WTP building has an ACM undercoat. Only one sink with ACM undercoat was identified during the inspection.

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WTP-2-SU1-1

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- The office located on the second floor of the WTP building had different finishing materials from the rest of the building, to include a layer of ACM vinyl floor tile. An estimated 300 square feet of the material is present in the office.

  In addition, on the second floor, residual ACM black mastic from an early flooring system was identified in most rooms under newer flooring. For the purpose of this report it is assumed that the ACM black mastic is present in the laboratory, corridor, office, store room, and operations room.

  The photograph below shows a representative flooring scenario. There is newer non-ACM beige vinyl covering most areas of the second floor. In the office, there is a layer of orange ACM vinyl tile beneath that. Finally, across most of the second floor, residual black ACM mastic can be seen on the concrete subfloor, and in this photo, on the back of the ACM vinyl floor tile. This photograph also shows the non-ACM terrazzo flooring on the landing/reception area.

WTP-2-VFC1-4, WTP-2-TZ1-1

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- The WTP building roofs are not indicated as ACM, but patching material around roof drains is ACM. There are an estimated 17 roof drains on the roofs and entry canopy, and an approximate 20 square feet of ACM roof patch.

WTP-EXT-CK1-1

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- There was one window with ACM window putty located at the second floor level of the north building exterior (accessible from the low roof). The white material was not present on any other window on the structure and likely represents a replacement window.

WTP-EXT-WP1-1

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6.0 CONCLUSIONS AND RECOMMENDATIONS

EMB Consulting identified ACM only in the WTP building, which included asbestos cement board, cove base mastic, electrical wire wrap, electrical insulating equipment, window putty, roofing patch, sink undercoat, and flooring. The confirmed ACM must be removed prior to building demolition by Washington-certified asbestos abatement workers in compliance with applicable regulations.

7.0 LIMITATIONS

The ACM and conditions presented in this report represent those observed on the dates the environmental survey was conducted. Work for this project was performed, and this report prepared, in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of Anchor QEA, the City of Anacortes, and its contractors for specific application to the demolition of structures that EMB Consulting surveyed at the former City of Anacortes Water Treatment Plant in Mount Vernon, Washington. No other warranty, express or implied, is made.

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City of Anacortes
Water Treatment Plant
Asbestos-Containing Material Inspection
Exterior Sample Locations
2019

Sample ID - Not ACM
Sample ID - Confirmed ACM

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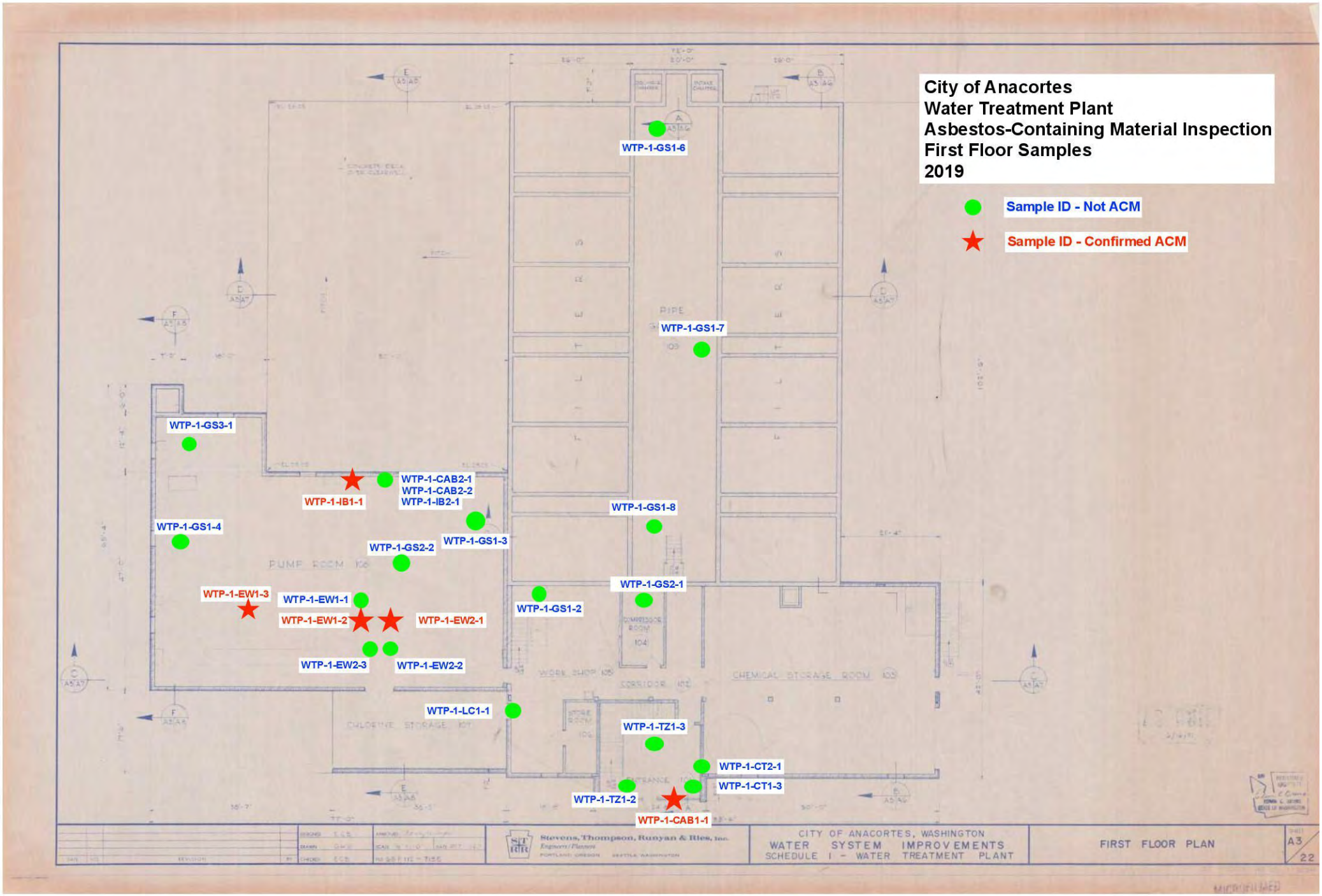

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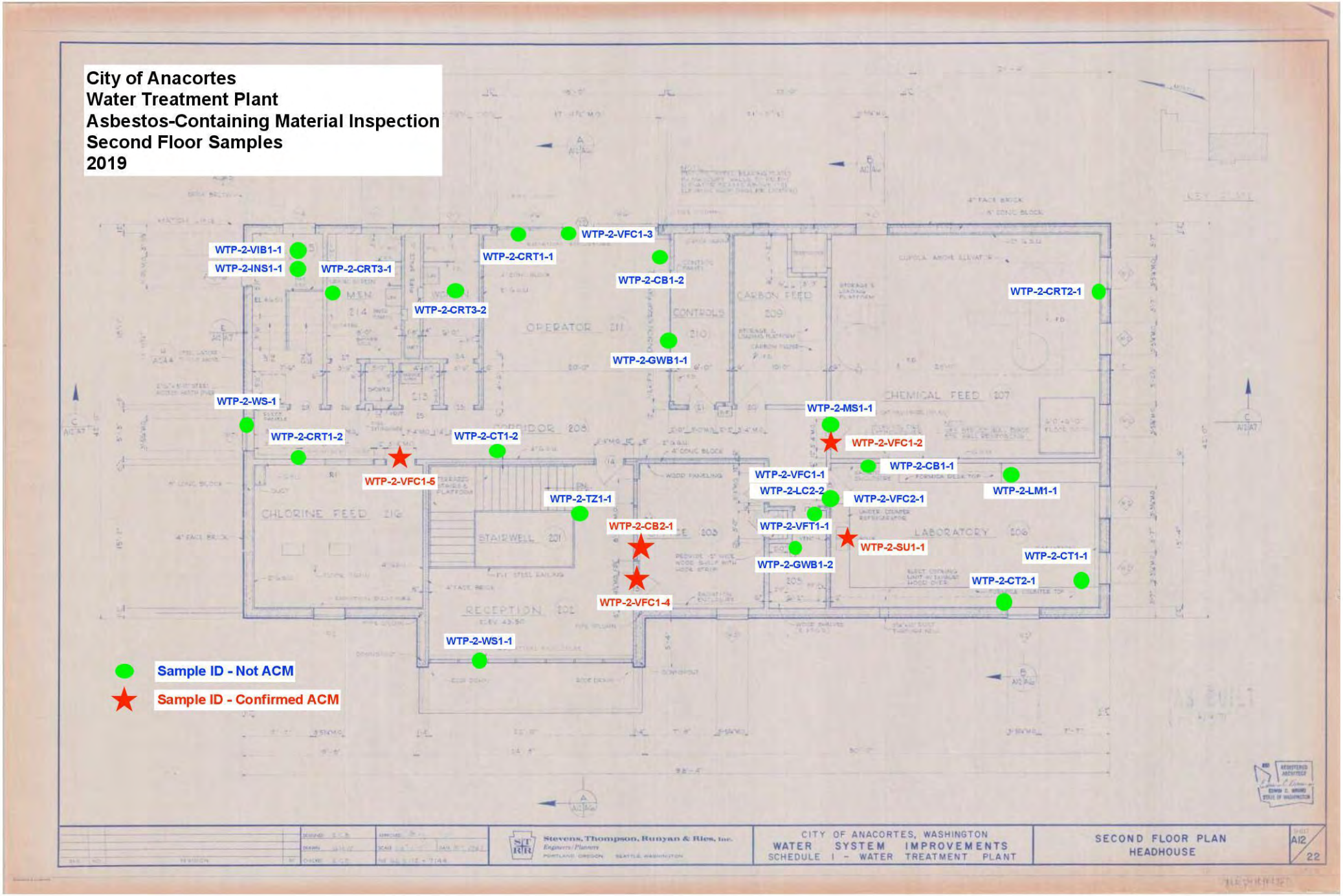

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Table 1: Bulk Asbestos Sample Results
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
FB-EXT-EJC1-1 02/26/2019	Expansion Joint Compound (white)	Filtration Basins Walkway between N and S	ND	
FB-EXT-GS1-5 03/28/2019	Gasket (red)	Filtration Basin N Side S Wall of W Basin	ND	
FB-EXT-GS2-3 03/28/2019	Gasket (black)	Filtration Basin N Side S Wall of W Basin	ND	
FB-EXT-SL1-1 02/26/2019	Sealant (brown)	Filtration Bay Exterior E Side at Ground	ND	
SB-EXT-CK2-1 03/28/2019	Caulk L1: Caulk (grey/black) L2: Concrete (light grey)	Sedimentation Bay Exterior At Expansion Joint W Wall/At Top	 L1: ND L2: ND	
SB-EXT-CK3-1 03/28/2019	Caulk L1: Caulk (white) L2: Cement (grey)	Sedimentation Bay Exterior At Expansion Joint W Wall/At Top	 L1: ND L2: ND	
SB-EXT-CK4-1 03/28/2019	Caulk L1: Caulk (white) L2: Cement (grey)	Sedimentation Bay Exterior N End, E Side In Trough	 L1: ND L2: ND	
SB-EXT-CORK1-1 03/28/2019	Cork L1: Adhesive (brown) L2: Cork (brown)	Sedimentation Bay Exterior At Expansion Joint W Wall/At Top	 L1: ND L2: ND	

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Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
SB-EXT-EJC2-1 02/26/2019	Expansion Joint Compound L1: Rubbery Material (black) L2: Soft Material (grey) L3: Asphaltic Material (black) L4: Asphaltic Material (black)	Sedimentation Bay Exterior At Expansion Joint On Center Walkway	 L1: ND L2: ND L3: ND L4: ND	
SB-EXT-EJC3-1 03/28/2019	Expansion Joint Compound L1: Adhesive (white) L2: Cement (grey) L3: Cork (beige) L4: Adhesive (beige)	Sedimentation Bay Exterior At Expansion Joint Center Walkway	 L1: ND L2: ND L3: ND L4: ND	
SB-EXT-LC4-1 03/28/2019	Leveling Compound L1: Cement (grey) L2: Adhesive (white)	Sedimentation Bay Exterior Center in troughs over regular concrete	 L1: ND L2: ND	
SB-EXT-SL1-2 02/26/2019	Sealant (black)	Sedimentation Bay Exterior W Side at Ground	ND	
SB-EXT-SL2-1 03/28/2019	Sealant L1: Sealant (black) L2: Cement (grey)	Sedimentation Bay Exterior NE End	 L1: ND L2: ND	
SB-EXT-SL3-1 03/28/2019	Sealant L1: sealant (black) L2: Cement (grey)	Sedimentation Bay Exterior In Troughs S Center	 L1: ND L2: ND	
WTP-1-CAB1-1 02/25/2019	**Cement Asbestos Board L1: Foam (white) L2: Adhesive (clear) L3: Cement Board (grey)**	**Water Treatment Plant First Floor W Side Wall Panels above Entry**	 **L1: ND L2: ND L3: Chrysotile 30%**	**14 panels (2-layers) 8' x 4'**
WTP-1-CAB2-1 02/26/2019	Insulation Cutouts (grey)	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	

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Table 1: Bulk Asbestos Sample Results
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-1-CAB2-2 03/28/2019	Insulation Cutouts (grey)	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	
WTP-1-CT1-3 02/25/2019	Ceiling Tile (beige)	Water Treatment Plant First Floor Entrance	ND	
WTP-1-CT2-2 02/25/2019	Ceiling Tile (white)	Water Treatment Plant First Floor Entrance	ND	

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Table 1: Bulk Asbestos Sample Results
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-1-EW1-1 02/26/2019	Electrical Wire Wrap L1: Fibrous Material (grey) L2: Fibrous Material (white)	Water Treatment Plant First Floor Pump Room Electrical Panel - Center W Cabinet 2	L1: ND L2: ND	**Based on the results, it appears that the brown fabric wire wrap is ACM. The brown wrap is consistently comingled with whit and grey fabric wraps that do not appear to be ACM. For the purpose of this project, all electrical wire fabric wrap is assumed ACM. The quantity estimate is 2,000 lf of ACM wire-wrapped bundles.**
WTP-1-EW1-2 02/26/2019	**Electrical Wire Wrap (brown)**	**Water Treatment Plant First Floor Pump Room Electrical Panel - Center W Cabinet 2**	**Chrysotile 30%**	
WTP-1-EW1-3 02/26/2019	**Electrical Wire Wrap (brown)**	**Water Treatment Plant First Floor Pump Room Electrical Panel - Center W Cabinet 1**	**Chrysotile 25%**	
WTP-1-EW2-1 02/26/2019	**Electrical Wire Wrap L1: Fibrous Material (white) L2: Fibrous Material (brown)**	**Water Treatment Plant First Floor Pump Room Electrical Panel - Center W Cabinet 10**	**L1: ND L2: Chrysotile 30%**	
WTP-1-EW2-2 02/26/2019	Electrical Wire Wrap (grey)	Water Treatment Plant First Floor Pump Room Electrical Panel - Center W Cabinet 10	ND	
WTP-1-EW2-3 02/26/2019	Electrical Wire Wrap (grey)	Water Treatment Plant First Floor Pump Room Electrical Panel - Center W Cabinet 10	ND	

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Table 1: Bulk Asbestos Sample Results
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-1-GS1-2 02/26/2019	Gasket (red)	Water Treatment Plant First Floor Work Shop Along E Wall	ND	
WTP-1-GS1-3 02/26/2019	Gasket (black)	Water Treatment Plant First Floor Pump Room S Pumps	ND	
WTP-1-GS1-4 02/26/2019	Gasket (red)	Water Treatment Plant First Floor Pump Room Center Pumps N End	ND	
WTP-1-GS1-6 03/28/2019	Gasket (red)	Water Treatment Plant First Floor Pipe Gallery - E End	ND	
WTP-1-GS1-7 03/28/2019	Gasket (red)	Water Treatment Plant First Floor Pipe Gallery - Center	ND	
WTP-1-GS1-8 03/28/2019	Gasket (red)	Water Treatment Plant First Floor Pipe Gallery - W End	ND	
WTP-1-GS2-1 02/26/2019	Gasket (black)	Water Treatment Plant First Floor Compressor Room E Wall	ND	
WTP-1-GS2-2 02/26/2019	Gasket (black)	Water Treatment Plant First Floor Pump Room Center Pumps N End	ND	

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Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-1-GS3-1 02/26/2019	Gasket L1: Adhesive (grey) L2: Gasket (white)	Water Treatment Plant First Floor Pump Room NE Pumps	 L1: ND L2: ND	
WTP-1-IB1-1 03/28/2019	**Insulation Block (black)**	**Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall**	**Crocidolite 35% Chrysotile 5%**	**50 each**
WTP-1-IB2-1 03/28/2019	Insulation Block (black)	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	
WTP-1-LC1-1 02/26/2019	Leveling Compound (grey)	Water Treatment Plant First Floor Chlorine Storage Threshold to Work Shop	ND	
WTP-1-TZ1-2 02/26/2019	Terrazzo Floor (white/red)	Water Treatment Plant First Floor Entry - N	ND	
WTP-1-TZ1-3 02/26/2019	Terrazzo Floor (white/red)	Water Treatment Plant First Floor Entry - Center	ND	
WTP-2-CB1-1 02/25/2019	Covebase/Mastic L1: Adhesive (clear) L2: Rubber (beige) L3: Adhesive (white)	Water Treatment Plant Second Floor Laboratory E Wall	 L1: ND L2: ND L3: ND	
WTP-2-CB1-2 02/25/2019	Covebase/Mastic L1: Adhesive (clear) L2: Rubber (beige) L3: Adhesive (white)	Water Treatment Plant Second Floor Operator Room S Wall	 L1: ND L2: ND L3: ND	

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Former Anacortes Water Treatment Plant and Sedimentation Basins
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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-2-CB2-1 **02/25/2019**	**Covebase/Mastic** **L1: Adhesive (clear)** **L2: Rubber (beige)** **L3: Adhesive (white)** **L4: Adhesive (brown)**	**Water Treatment Plant** **Second Floor** **Office** **N Wall**	**L1: ND** **L2: ND** **L3: ND** **L4: Chrysotile 4%**	**70 lf**
WTP-2-CRT1-1 02/25/2019	Ceramic Tile/Grout L1: Ceramic Tile (tan) L2: Grout (white)	Water Treatment Plant Second Floor Operator E Wall	L1: ND L2: ND	
WTP-2-CRT1-2 02/25/2019	Ceramic Tile/Grout L1: Ceramic Tile (tan) L2: Grout (white) L3: Adhesive (off-white)	Water Treatment Plant Second Floor Corridor N End	L1: ND L2: ND L3: ND	
WTP-2-CRT2-1 02/25/2019	Ceramic Tile/Grout L1: Ceramic Tile (tan) L2: Grout (grey)	Water Treatment Plant Second Floor Chemical Feed Room S Wall	L1: ND L2: ND	
WTP-2-CRT3-1 02/25/2019	Ceramic Tile/Grout L1: Ceramic Tile (light grey) L2: Grout (grey) L3: Adhesive (brown)	Water Treatment Plant Second Floor Men's Room N Wall	L1: ND L2: ND L3: ND	
WTP-2-CRT3-2 02/25/2019	Ceramic Tile (tan)	Water Treatment Plant Second Floor Women's Room Center of Floor	ND	
WTP-2-CT1-1 02/25/2019	Ceiling Tile (beige)	Water Treatment Plant Second Floor Laboratory S Ceiling	ND	

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Former Anacortes Water Treatment Plant and Sedimentation Basins
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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-2-CT1-2 02/25/2019	Ceiling Tile (beige)	Water Treatment Plant Second Floor Corridor N End	ND	
WTP-2-CT2-1 02/25/2019	Ceiling Tile (white)	Water Treatment Plant Second Floor Laboratory S Ceiling	ND	
WTP-2-GWB1-1 02/25/2019	Gypsum Wallboard L1: Gypsum (white) L2: Paper (white)	Water Treatment Plant Second Floor Operator S Wall	 L1: ND L2: ND	
WTP-2-GWB1-2 02/25/2019	Gypsum Wallboard (white)	Water Treatment Plant Second Floor Store Room Ceiling	ND	
WTP-2-INS1-1 02/25/2019	Insulation L1: Fibrous Material (off-white) L2: Fibrous Material (yellow)	Water Treatment Plant Second Floor N Stairwell HVAC Equipment	 L1: ND L2: ND	
WTP-2-LC2-2 02/25/2019	Leveling Compound L1: Vinyl (off-white) L2: Adhesive (clear) L3: Brittle Material (white)	Water Treatment Plant Second Floor Laboratory Threshold to Corridor	 L1: ND L2: ND L3: ND	
WTP-2-LM1-1 02/25/2019	Laminate L1: Vinyl (brown) L2: Adhesive (light brown) L3: Brittle Material (brown)	Water Treatment Plant Second Floor Laboratory E Counter	 L1: ND L2: ND L3: ND	

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Table 1: Bulk Asbestos Sample Results
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-2-MS1-1 02/25/2019	Mastic L1: Mastic (brown) L2: Adhesive (clear) L3: Brittle Material (grey)	Water Treatment Plant Second Floor Chemical Feed Room Floor at Threshold	 L1: ND L2: ND L3: ND	
WTP-2-SU-1 **02/25/2019**	**Sink Undercoat (light grey)**	**Water Treatment Plant** **Second Floor** **Laboratory** **N Counter**	**Chrysotile 50%**	**1 sink**
WTP-2-TZ1-1 02/25/2019	Terrazzo (white/red)	Water Treatment Plant Second Floor Landing - Center	ND	
WTP-2-VFC1-1 02/25/2019	Vinyl Floor Covering L1: Mastic (clear) L2: Rubber Material (beige) L3: Adhesive (tan)	Water Treatment Plant Second Floor Corridor Store Room Threshold	 L1: ND L2: ND L3: ND	
WTP-2-VFC1-2 **02/25/2019**	Vinyl Floor Covering L1: Mastic (clear) L2: Rubber Material (beige) L3: Adhesive (tan) L4: Vinyl Tile (tan) L5: Mastic (black)	Water Treatment Plant Second Floor Corridor Chemical Feed Threshold	 L1: ND L2: ND L3: ND L4: ND ***L5: Chrysotile 4%***	**Only black mastic on concrete is ACM** **Mastic (black) = 3,000 ft^2**
WTP-2-VFC1-3 02/25/2019	Vinyl Floor Covering L1: Mastic (clear) L2: Rubber Material (beige) L3: Adhesive (tan) L4: Vinyl (blue)	Water Treatment Plant Second Floor Operator E Side At Threshold to Exterior	 L1: ND L2: ND L3: ND L4: ND	
WTP-2-VFC1-4 **02/25/2019**	**Vinyl Floor Covering** **L1: Rubber Material (beige)** **L2: Adhesive (tan)** **L3: Vinyl (orange)** **L4: Mastic (black)**	**Water Treatment Plant** **Second Floor** **Office 103** **At threshold to Reception**	 **L1: ND** **L2: ND** **L3: Chrysotile 5%** **L4: Chrysotile 6%**	**Vinyl (orange) = 300 ft^2** **Mastic (black) = 3,000 ft^2**

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Former Anacortes Water Treatment Plant and Sedimentation Basins
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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-2-VFC1-5 **02/25/2019**	Vinyl Floor Covering L1: Rubber Material (beige) L2: Adhesive (tan) L3: Vinyl (tan) L4: Mastic (black)	Water Treatment Plant Second Floor Corridor Chemical Feed Threshold	L1: ND L2: ND L3: ND ***L4: Chrysotile 6%***	**Only black mastic on concrete is ACM** **Mastic (black) = 3,000 ft^2**
WTP-2-VFC2-1 02/25/2019	Vinyl Floor Covering L1: Rubber Material (beige) L2: Adhesive (tan) L3: Vinyl (tan)	Water Treatment Plant Second Floor Laboratory Threshold	L1: ND L2: ND L3: ND	
WTP-2-VFT1-1 **02/25/2019**	Vinyl Floor Tile L1: Rubber Material (beige) L2: Adhesive (tan) L3: Vinyl (tan) L4: Mastic (black)	Water Treatment Plant Second Floor Store Room At Threshold to Corridor	L1: ND L2: ND L3: ND ***L4: Chrysotile 5%***	**Only black mastic on concrete is ACM** **Mastic (black) = 3,000 ft^2**
WTP-2-VIB1-1 02/25/2019	Vibration Isolator (dark grey)	Water Treatment Plant Second Floor N Stairwell HVAC Equipment	ND	
WTP-2-WS-1 02/25/2019	Window Sealant (black)	Water Treatment Plant Second Floor Window at N end of center hallway	ND	
WTP-EXT-CK1-1 **02/26/2019**	**Caulk-Roof** **L1: Paint (silver)** **L2: Asphaltic Roofing (black)**	**Water Treatment Plant** **Roof** **Penetration Caulking** **Drain Penetration - NW**	**L1: ND** **L2: Chrysotile 5%**	**20 ft^2**
WTP-EXT-EJC2-1 03/28/2019	Expansion Joint Compound L1: Foam (black) L2: Foam (green) L3: Rubber (grey)	Water Treatment Plant Exterior N Wall Chlorine Room Ext Wall	L1: ND L2: ND L3: ND	

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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-EXT-EJC3-1 03/28/2019	Expansion Joint Compound (grey)	Water Treatment Plant Exterior E Side Between Pump Room and Filtration Basin	ND	
WTP-EXT-FL1-1 03/28/2019	Flashing L1: Foil (black/silver) L2: Mastic (black) L3: Foil (copper)	Water Treatment Plant Exterior E Side On brick wall above filtration basins	L1: ND L2: ND L3: ND	
WTP-EXT-GS1-1 02/25/2019	Gasket (red)	Water Treatment Plant Exterior N Side Large Pipe Adjacent to Pump Room	ND	
WTP-EXT-INS2-1 02/25/2019	Insulation (black)	Water Treatment Plant Exterior N Wall	ND	
WTP-EXT-PC1-1 02/26/2019	Penetration Compound L1: Vinyl (off-white) L2: Rubbery Material (grey)	Water Treatment Plant Exterior N Wall	L1: ND L2: ND	
WTP-EXT-PC2-1 03/28/2019	Penetration Compound (white)	Water Treatment Plant Exterior W Wall, S of Entry Around Pipes	ND	
WTP-EXT-PC4-1 03/28/2019	Penetration Compound (white)	Water Treatment Plant Exterior West Wall, N of Entry Around Vent	ND	

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Former Anacortes Water Treatment Plant and Sedimentation Basins
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Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-EXT-RM1-1 02/26/2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black) L4: Fibrous Material (brown)	Water Treatment Plant Exterior Roof Cupola	 L1: ND L2: ND L3: ND L4: ND	
WTP-EXT-RM2-1 02/26/2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black)	Water Treatment Plant Exterior Roof High Roof - NE Corner	 L1: ND L2: ND L3: ND	
WTP-EXT-RM2-2 02/26//2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black) L4: Fibrous Material (brown)	Water Treatment Plant Exterior Roof High Roof - Center	 L1: ND L2: ND L3: ND L4: ND	
WTP-EXT-RM2-3 02/26/2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black) L4: Fibrous Material (brown)	Water Treatment Plant Exterior Roof High Roof - S End	 L1: ND L2: ND L3: ND L4: ND	
WTP-EXT-RM3-1 02/26/2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black) L4: Fibrous Material (brown)	Water Treatment Plant Exterior Roof Low Roof - NE Corner	 L1: ND L2: ND L3: ND L4: ND	
WTP-EXT-RM3-2 02/26/2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black) L4: Fibrous Material (brown)	Water Treatment Plant Exterior Roof Low Roof - West Center	 L1: ND L2: ND L3: ND L4: ND	

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Table 1: Bulk Asbestos Sample Results
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-EXT-RM3-3 02/26/2019	Roofing Material L1: Paint (silver) L2: Asphaltic Material (black) L3: Asphaltic Material (black) L4: Fibrous Material (brown)	Water Treatment Plant Exterior Roof and Parapet Low Roof - S End	 L1: ND L2: ND L3: ND L4: ND	
WTP-EXT-SL1-1 02/26/2019	Sealant (black)	Water Treatment Plant Exterior N Wall	ND	
WTP-EXT-WP1-1 02/26/2019	**Window Putty (white)**	**Water Treatment Plant Exterior N Wall Window at N Stairwell**	**Chrysotile 6%**	**1 window**
WTP-EXT-WP2-1 03/28/2019	Window Putty (white)	Water Treatment Plant Exterior E Side On windows above filtration basins	ND	

ACM = Asbestos-Containing Material

L: = Layer

ND = Non-Detect

ft^2 = square feet

lf = linear feet

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April 19, 2019

Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1903896.01

Client Project: Elisabeth Black
Location: Anacortes - WTP

Dear Ms. Black,

Enclosed please find test results for the 32 sample(s) submitted to our laboratory for analysis on 2/28/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor

Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19020174 **Client Sample #: WTP-1-CAB1-1**

Layer 1 of 3	**Description:** White foamy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic foam	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Clear soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Gray cementitious fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Cement/Binder, Fine grains, Fine particles	Synthetic fibers	3%	**Chrysotile 30%**

Lab ID: 19020175 **Client Sample #: WTP-1-CAB2-1**

Location: Anacortes - WTP

Layer 1 of 1	**Description:** Gray compressed fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	20%	**None Detected ND**
		Synthetic fibers	70%	

Lab ID: 19020176 **Client Sample #: WTP-2-CB1-1**

Location: Anacortes - WTP

Layer 1 of 3	**Description:** Clear brittle adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris	Synthetic fibers	5%	**None Detected ND**
Layer 2 of 3	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 3 of 3	**Description:** White soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	Synthetic fibers	3%	**None Detected ND**

Lab ID: 19020177 **Client Sample #: WTP-2-CB1-2**
Location: Anacortes - WTP

Layer 1 of 3	**Description:** Light brown brittle adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** White soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	Synthetic fibers	2%	**None Detected ND**

Lab ID: 19020178 **Client Sample #: WTP-2-CB2-1**
Location: Anacortes - WTP

Layer 1 of 4	**Description:** Clear brittle adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris	Synthetic fibers	2%	**None Detected ND**
Layer 2 of 4	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder	Synthetic fibers	3%	**None Detected ND**
Layer 3 of 4	**Description:** White soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	Synthetic fibers	2%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 4 of 4 **Description:** Brown brittle mastic

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Mastic/Binder, Fine particles, Debris	Wood fibers 20%	**Chrysotile 4%**
	Wollastonite 8%	

Lab ID: 19020179 **Client Sample #: WTP-Ext-CK1-1**
Location: Anacortes - WTP

Layer 1 of 2 **Description:** Silver paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Metallic paint, Fine particles	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Black asphaltic material with debris

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Asphalt/Binder, Debris, Fine particles	None Detected ND	**Chrysotile 5%**

Lab ID: 19020180 **Client Sample #: WTP-2-CRT1-1**
Location: Anacortes - WTP

Layer 1 of 2 **Description:** Tan crumbly material with glaze

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine grains	Synthetic fibers <1%	**None Detected ND**

Layer 2 of 2 **Description:** White crumbly material with debris

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Debris, Fine grains	Wood fibers 2%	**None Detected ND**

Lab ID: 19020181 **Client Sample #: WTP-2-CRT1-2**
Location: Anacortes - WTP

Comments: Unsure of correct layer sequence.

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 3	**Description:** Tan crumbly material with glaze			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** White crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Off-white crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19020182 **Client Sample #: WTP-2-CRT2-1**
Location: Anacortes - WTP

Layer 1 of 2	**Description:** Tan crumbly material with glaze and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains, Debris	Spider silk	3%	**None Detected ND**
Layer 2 of 2	**Description:** Dark gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19020183 **Client Sample #: WTP-2-CRT3-1**
Location: Anacortes - WTP

Layer 1 of 3	**Description:** Light gray brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Ceramic/Binder	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Gray cementitious material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Cement/Binder, Fine grains	Cellulose	2%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 3 of 3 **Description:** Brown soft adhesive

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Adhesive/Binder, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 19020184 **Client Sample #: WTP-2-CRT3-2**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Tan patterned ceramic

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Ceramic/Binder	None Detected ND	**None Detected ND**

Lab ID: 19020185 **Client Sample #: WTP-2-CT1-1**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Beige compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Paint, Binder/Filler, Perlite	Cellulose 50%	**None Detected ND**
Fine particles	Glass fibers 20%	

Lab ID: 19020186 **Client Sample #: WTP-2-CT1-2**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Beige compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Paint, Binder/Filler, Perlite	Cellulose 55%	**None Detected ND**
Fine particles	Glass fibers 18%	

Lab ID: 19020187 **Client Sample #: WTP-1-CT1-3**
Location: Anacortes - WTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Beige compressed fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Paint, Binder/Filler, Perlite	Cellulose 52%	**None Detected ND**
Fine particles	Glass fibers 18%	

Lab ID: 19020188 **Client Sample #: WTP-2-CT2-1**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** White brittle foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Paint, Binder/Filler, Foamed glass	Cellulose 3%	**None Detected ND**

Lab ID: 19020189 **Client Sample #: WTP-1-CT2-2**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** White brittle foamy material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Paint, Binder/Filler, Foamed glass	Cellulose 2%	**None Detected ND**

Lab ID: 19020190 **Client Sample #: FB-EXT-EJC1-1**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** White soft/elastic material with debris

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Caulking compound, Debris, Fine grains	Cellulose 3%	**None Detected ND**

Lab ID: 19020191 **Client Sample #: WTP-1-EW1-1**
Location: Anacortes - WTP

Layer 1 of 2 **Description:** Gray soft fibrous material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 50%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 2 **Description:** White fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Cellulose 98%	**None Detected ND**

Lab ID: 19020192 **Client Sample #: WTP-1-EW1-2**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Light brown fibrous material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	Cellulose 50%	**Chrysotile 30%**

Lab ID: 19020193 **Client Sample #: WTP-1-EW1-3**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Light brown fibrous material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Debris, Fine particles	Cellulose 55%	**Chrysotile 25%**

Lab ID: 19020194 **Client Sample #: WTP-1-EW2-1**
Location: Anacortes - WTP

Layer 1 of 2 **Description:** White fibrous material with gray soft material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 98%	**None Detected ND**

Layer 2 of 2 **Description:** Light brown fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 60%	**Chrysotile 30%**

Lab ID: 19020195 **Client Sample #: WTP-1-EW2-2**
Location: Anacortes - WTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Gray soft fibrous material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 30%	**None Detected ND**
	Synthetic fibers 60%	

Lab ID: 19020196 **Client Sample #: WTP-1-EW2-3**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Off-white fibrous material with gray soft material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 40%	**None Detected ND**
	Synthetic fibers 50%	

Lab ID: 19020197 **Client Sample #: WTP-Ext-GS1-1**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Red rubbery material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Paint, Debris	None Detected ND	**None Detected ND**

Lab ID: 19020198 **Client Sample #: WTP-1-GS1-2**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Red rubbery material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Paint, Debris	Synthetic fibers 2%	**None Detected ND**

Lab ID: 19020199 **Client Sample #: WTP-1-GS1-3**
Location: Anacortes - WTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Black rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Debris, Fine particles	Synthetic fibers 3%	**None Detected ND**

Lab ID: 19020200 **Client Sample #: WTP-1-GS1-4**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Red rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Paint, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 19020201 **Client Sample #: WTP-1-GS2-1**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Black rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 19020202 **Client Sample #: WTP-1-GS2-2**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Black soft fibrous material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 60%	**None Detected ND**
	Synthetic fibers 20%	

Lab ID: 19020203 **Client Sample #: WTP-1-GS3-1**
Location: Anacortes - WTP

Layer 1 of 2 **Description:** Dark gray soft adhesive

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Adhesive/Binder	Cellulose 2%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903896.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 2 **Description:** White soft/elastic material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Paint	None Detected	ND	**None Detected ND**

Lab ID: 19020204 **Client Sample #: WTP-2-GWB1-1**

Location: Anacortes - WTP

Layer 1 of 2 **Description:** White compacted powdery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Calcareous binder, Fine grains	Cellulose	8%	**None Detected ND**

Layer 2 of 2 **Description:** White chalky material with paper

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Gypsum/Binder, Fine particles	Cellulose	32%	**None Detected ND**

Lab ID: 19020205 **Client Sample #: WTP-2-GWB1-2**

Location: Anacortes - WTP

Layer 1 of 1 **Description:** White chalky material with paper and paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Gypsum/Binder, Fine particles	Cellulose	35%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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ASBESTOS LABORATORY SERVICES

NVL

Company EMB Consulting, LLC
Address 22725 44th Ave W. #203
Mountlake Terrace, WA 98043
Project Manager Ms. Elisabeth Black
Phone (206) 915-2395

NVL Batch Number 1903896.00
TAT 5 Days **AH** No
Rush TAT
Due Date 3/7/2019 **Time** 2:30 PM
Email emblackconsult@gmail.com
Fax

Project Name/Number: Elisabeth Black **Project Location:** Anacortes - WTP

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 32 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	19020174	WTP-1-CAB1-1		A
2	19020175	WTP-1-CAB2-1		A
3	19020176	WTP-2-CB1-1		A
4	19020177	WTP-2-CB1-2		A
5	19020178	WTP-2-CB2-1		A
6	19020179	WTP-Ext-CK1-1		A
7	19020180	WTP-2-CRT1-1		A
8	19020181	WTP-2-CRT1-2		A
9	19020182	WTP-2-CRT2-1		A
10	19020183	WTP-2-CRT3-1		A
11	19020184	WTP-2-CRT3-2		A
12	19020185	WTP-2-CT1-1		A
13	19020186	WTP-2-CT1-2		A
14	19020187	WTP-1-CT1-3		A
15	19020188	WTP-2-CT2-1		A
16	19020189	WTP-1-CT2-2		A
17	19020190	FB-EXT-EJC1-1		A
18	19020191	WTP-1-EW1-1		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Matthew McCallum		NVL	2/28/19	1430
Analyzed by	Michael Jenkins		NVL	3/4/19	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions: Batch split 1903914

Date: 3/1/2019
Time: 8:50 AM
Entered By: Michael Jenkins

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ASBESTOS LABORATORY SERVICES

NVL

Company EMB Consulting, LLC
Address 22725 44th Ave W. #203
Mountlake Terrace, WA 98043
Project Manager Ms. Elisabeth Black
Phone (206) 915-2395

NVL Batch Number 1903896.00
TAT 5 Days **AH** No
Rush TAT
Due Date 3/7/2019 **Time** 2:30 PM
Email emblackconsult@gmail.com
Fax

Project Name/Number: Elisabeth Black **Project Location:** Anacortes - WTP

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 32 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	19020192	WTP-1-EW1-2		A
20	19020193	WTP-1-EW1-3		A
21	19020194	WTP-1-EW2-1		A
22	19020195	WTP-1-EW2-2		A
23	19020196	WTP-1-EW2-3		A
24	19020197	WTP-Ext-GS1-1		A
25	19020198	WTP-1-GS1-2		A
26	19020199	WTP-1-GS1-3		A
27	19020200	WTP-1-GS1-4		A
28	19020201	WTP-1-GS2-1		A
29	19020202	WTP-1-GS2-2		A
30	19020203	WTP-1-GS3-1		A
31	19020204	WTP-2-GWB1-1		A
32	19020205	WTP-2-GWB1-2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Matthew McCallum		NVL	2/28/19	1430
Analyzed by	Michael Jenkins		NVL	3/4/19	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions: Batch split 1903914

Date: 3/1/2019
Time: 8:50 AM
Entered By: Michael Jenkins

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April 19, 2019

Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1903914.01

Client Project: Elisabeth Black
Location: Anacortes - WTP

Dear Ms. Black,

Enclosed please find test results for the 32 sample(s) submitted to our laboratory for analysis on 2/28/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor

Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19020335 **Client Sample #: WTP-2-INS1-1**

Layer 1 of 2 **Description:** Off-white interwoven fibrous material with paint

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Paint, Fine particles	Synthetic fibers 90%	**None Detected ND**

Layer 2 of 2 **Description:** Yellow fibrous material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine particles	Glass fibers 98%	**None Detected ND**

Lab ID: 19020336 **Client Sample #: WTP-Ext-INS2-1**

Location: Anacortes - WTP

Layer 1 of 1 **Description:** Black brittle fibrous material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine particles	Glass fibers 60%	**None Detected ND**
	Cellulose 3%	

Lab ID: 19020337 **Client Sample #: WTP-1-LC1-1**

Location: Anacortes - WTP

Layer 1 of 1 **Description:** Gray cementitious material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Cement/Binder, Fine grains, Adhesive/Binder	Cellulose 2%	**None Detected ND**
	Synthetic fibers 4%	

Lab ID: 19020338 **Client Sample #: WTP-2-LC2-2**

Location: Anacortes - WTP

Layer 1 of 3 **Description:** Off-white vinyl

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Vinyl/Binder, Debris	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 3	**Description:** Clear soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** White brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19020339 **Client Sample #: WTP-2-LM1-1**
Location: Anacortes - WTP

Layer 1 of 3	**Description:** Brown vinyl with white laminate			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Laminate/binder	Cellulose	60%	**None Detected ND**
Layer 2 of 3	**Description:** Light brown soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Brown compressed fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler	Wood fibers	98%	**None Detected ND**

Lab ID: 19020340 **Client Sample #: WTP-2-MS1-1**
Location: Anacortes - WTP

Layer 1 of 3	**Description:** Brown brittle mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Mastic/Binder	Wollastonite	4%	**None Detected ND**
Layer 2 of 3	**Description:** Clear soft adhesive with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Cement/Binder	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 3 of 3 **Description:** Gray brittle material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose	4%	**None Detected ND**

Lab ID: 19020341 **Client Sample #: WTP-Ext-PC1-1**

Location: Anacortes - WTP

Layer 1 of 2 **Description:** Off-white vinyl with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Vinyl/Binder, Debris, Fine grains	Cellulose	5%	**None Detected ND**
	Spider silk	3%	

Layer 2 of 2 **Description:** Gray rubbery material with fibrous debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Rubber/Binder, Debris, Fine particles	Glass fibers	12%	**None Detected ND**
	Cellulose	4%	

Lab ID: 19020342 **Client Sample #: WTP-Ext-RM1-1**

Location: Anacortes - WTP

Layer 1 of 4 **Description:** Silver paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Metallic paint	None Detected	ND	**None Detected ND**

Layer 2 of 4 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Fine particles	Synthetic fibers	15%	**None Detected ND**

Layer 3 of 4 **Description:** Black asphaltic fibrous material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Metallic paint, Debris	Glass fibers	30%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 4 of 4 **Description:** Brown compressed fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Perlite, Fine particles	Cellulose 50%	**None Detected ND**

Lab ID: 19020343 **Client Sample #: WTP-Ext-RM2-1**

Location: Anacortes - WTP

Layer 1 of 3 **Description:** Silver paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Metallic paint	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Fine particles	Synthetic fibers 30%	**None Detected ND**

Layer 3 of 3 **Description:** Black asphaltic fibrous material with paint and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Metallic paint, Debris	Glass fibers 50%	**None Detected ND**
Perlite	Cellulose 10%	

Lab ID: 19020344 **Client Sample #: WTP-Ext-RM2-2**

Location: Anacortes - WTP

Comments: Unsure of correct layer sequence.

Layer 1 of 4 **Description:** Silver paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Metallic paint	None Detected ND	**None Detected ND**

Layer 2 of 4 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Fine particles	Synthetic fibers 30%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 3 of 4	**Description:** Black asphaltic fibrous material with paint and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Paint, Debris	Glass fibers	55%	**None Detected ND**
Layer 4 of 4	**Description:** Loose brown compressed fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Perlite, Fine particles	Cellulose	60%	**None Detected ND**

Lab ID: 19020345 **Client Sample #: WTP-Ext-RM2-3**

Location: Anacortes - WTP

Layer 1 of 5	**Description:** Silver paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Metallic paint	None Detected	ND	**None Detected ND**
Layer 2 of 5	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Synthetic fibers	40%	**None Detected ND**
Layer 3 of 5	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Synthetic fibers	42%	**None Detected ND**
Layer 4 of 5	**Description:** Silver paint with asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Metallic paint, Asphalt/Binder, Fine grains	Wollastonite	8%	**None Detected ND**
Layer 5 of 5	**Description:** Black asphaltic fibrous material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Debris, Fine particles	Synthetic fibers	38%	**None Detected ND**
		Glass fibers	10%	

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19020346 **Client Sample #: WTP-Ext-RM3-1**

Location: Anacortes - WTP

Layer 1 of 4	**Description:** Silver paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Metallic paint	None Detected	ND	**None Detected ND**
Layer 2 of 4	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Synthetic fibers	45%	**None Detected ND**
Layer 3 of 4	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles, Debris	Synthetic fibers	42%	**None Detected ND**
Layer 4 of 4	**Description:** Loose black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine grains, Metallic paint	Glass fibers	30%	**None Detected ND**

Lab ID: 19020347 **Client Sample #: WTP-Ext-RM3-2**

Location: Anacortes - WTP

Layer 1 of 4	**Description:** Silver paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Metallic paint	None Detected	ND	**None Detected ND**
Layer 2 of 4	**Description:** Black asphaltic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Synthetic fibers	40%	**None Detected ND**
Layer 3 of 4	**Description:** Black asphaltic material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles, Paint	Glass fibers	35%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Metallic paint, Debris

Layer 4 of 4 **Description:** Brown compressed fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Perlite, Fine particles	Cellulose 55%	**None Detected ND**

Lab ID: 19020348 **Client Sample #: WTP-Ext-RM3-3**

Location: Anacortes - WTP

Comments: Unsure of correct layer sequence.

Layer 1 of 6 **Description:** Silver paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Metallic paint	None Detected ND	**None Detected ND**

Layer 2 of 6 **Description:** Black asphaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Fine particles	Synthetic fibers 38%	**None Detected ND**

Layer 3 of 6 **Description:** Silver paint with ashpaltic material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Metallic paint, Asphalt/Binder, Fine grains	Wollastonite 6%	**None Detected ND**

Layer 4 of 6 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Fine grains, Fine particles	Glass fibers 40%	**None Detected ND**

Layer 5 of 6 **Description:** Black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	None Detected ND	**None Detected ND**

Layer 6 of 6 **Description:** Black asphaltic fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Fine grains	Glass fibers 60%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Bulk Asbestos Fibers Analysis

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Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19020349 **Client Sample #: WTP-Ext-SL1-1**
Location: Anacortes - WTP
Layer 1 of 1 **Description:** Black asphaltic crumbly mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder	None Detected	ND	**None Detected ND**

Lab ID: 19020350 **Client Sample #: WTP-2-SU-1**
Location: Anacortes - WTP
Layer 1 of 1 **Description:** Light gray fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose	4%	**Chrysotile 50%**

Lab ID: 19020351 **Client Sample #: WTP-2-TZ1-1**
Location: Anacortes - WTP
Layer 1 of 1 **Description:** Loose white and red brittle material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Quartz, Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19020352 **Client Sample #: WTP-1-TZ1-2**
Location: Anacortes - WTP
Layer 1 of 1 **Description:** Loose white and red brittle material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Quartz, Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**
Debris			

Lab ID: 19020353 **Client Sample #: WTP-1-TZ1-3**
Location: Anacortes - WTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** White, red and gray brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Quartz, Binder/Filler, Fine grains	Cellulose 3%	**None Detected ND**

Lab ID: 19020354 **Client Sample #: WTP-2-Vib1-1**
Location: Anacortes - WTP

Layer 1 of 1 **Description:** Dark gray rubbery material with fibrous mesh and paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Paint, Fine particles	Glass fibers 60%	**None Detected ND**

Lab ID: 19020355 **Client Sample #: WTP-2-VFC1-1**
Location: Anacortes - WTP

Layer 1 of 3 **Description:** Clear material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Beige rubbery material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Fine grains	None Detected ND	**None Detected ND**

Layer 3 of 3 **Description:** Tan soft adhesive

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Adhesive/Binder, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 19020356 **Client Sample #: WTP-2-VFC1-2**
Location: Anacortes - WTP

Layer 1 of 5 **Description:** Clear material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler	Synthetic fibers 2%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 5	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Fine grains	None Detected	ND	**None Detected ND**
Layer 3 of 5	**Description:** Tan soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Fine particles	None Detected	ND	**None Detected ND**
Layer 4 of 5	**Description:** Tan vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine grains	None Detected	ND	**None Detected ND**
Layer 5 of 5	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	None Detected	ND	**Chrysotile 4%**

Lab ID: 19020357 **Client Sample #: WTP-2-VFC1-3**
Location: Anacortes - WTP

Layer 1 of 4	**Description:** Gray sandy debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Sand, Debris, Fine particles	Cellulose	8%	**None Detected ND**
		Spider silk	10%	
Layer 2 of 4	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Fine grains	None Detected	ND	**None Detected ND**
Layer 3 of 4	**Description:** Off-white soft adhesive with sandy debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Sand, Debris	Cellulose	5%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 4 of 4 **Description:** Light blue vinyl

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Vinyl/Binder, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19020358 **Client Sample #: WTP-2-VFC1-4**

Location: Anacortes - WTP

Layer 1 of 4 **Description:** Beige rubbery material with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Rubber/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Layer 2 of 4 **Description:** Tan soft adhesive with gray brittle debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Adhesive/Binder, Binder/Filler, Debris	Cellulose	8%	**None Detected ND**
	Synthetic fibers	5%	

Layer 3 of 4 **Description:** Orange vinyl

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Vinyl/Binder, Fine grains	None Detected	ND	**Chrysotile 5%**

Layer 4 of 4 **Description:** Black asphaltic mastic

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Asphalt/Binder, Fine particles	Cellulose	5%	**Chrysotile 6%**

Lab ID: 19020359 **Client Sample #: WTP-2-VFC1-5**

Location: Anacortes - WTP

Layer 1 of 4 **Description:** Beige rubbery material with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Rubber/Binder, Debris, Fine particles	Cellulose	3%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 2 of 4	**Description:** Tan soft material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Debris, Fine particles	Cellulose	4%	**None Detected ND**
		Synthetic fibers	3%	
Layer 3 of 4	**Description:** Tan vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine grains	None Detected	ND	**None Detected ND**
Layer 4 of 4	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Cellulose	2%	**Chrysotile 6%**

Lab ID: 19020360 **Client Sample #: WTP-2-VFC2-1**
Location: Anacortes - WTP

Layer 1 of 3	**Description:** Beige rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Fine grains	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Tan soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Fine particles	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Tan vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19020361 **Client Sample #: WTP-2-VFT1-1**
Location: Anacortes - WTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 4	**Description:** Gray fibrous material with adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Fine particles	Cellulose	30%	**None Detected ND**
		Synthetic fibers	20%	
Layer 2 of 4	**Description:** Tan vinyl			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Vinyl/Binder, Fine grains	None Detected	ND	**None Detected ND**
Layer 3 of 4	**Description:** Clear soft adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder	None Detected	ND	**None Detected ND**
Layer 4 of 4	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Cellulose	3%	**Chrysotile 5%**

Lab ID: 19020362 **Client Sample #: WTP-Ext-WP1-1**
Location: Anacortes - WTP

Layer 1 of 1	**Description:** Gray brittle material with paint and debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Paint, Debris	Cellulose	3%	**Chrysotile 6%**

Lab ID: 19020363 **Client Sample #: WTP-2-WS-1**
Location: Anacortes - WTP

Layer 1 of 1	**Description:** Black rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19020364 **Client Sample #: SB-EXT-EJC2-1**

Location: Anacortes - WTP

Comments: Unsure of correct layer sequence.

Layer 1 of 4	**Description:** Black rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 4	**Description:** Light gray soft material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Debris, Fine particles	Cellulose	10%	**None Detected ND**
Layer 3 of 4	**Description:** Black asphaltic fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Fine particles	Cellulose	30%	**None Detected ND**
		Synthetic fibers	20%	
Layer 4 of 4	**Description:** Black asphaltic material with foamy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder, Synthetic foam	None Detected	ND	**None Detected ND**

Lab ID: 19020365 **Client Sample #: FB-EXT-SL1-1**

Location: Anacortes - WTP

Layer 1 of 1	**Description:** Light brown foamy material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic foam, Paint, Fine particles	Synthetic fibers	8%	**None Detected ND**
		Spider silk	5%	

Lab ID: 19020366 **Client Sample #: SB-EXT-SL1-2**

Location: Anacortes - WTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

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Mountlake Terrace, WA 98043

Attention: **Ms. Elisabeth Black**
Project Location: Anacortes - WTP

Batch #: 1903914.01
Client Project #: Elisabeth Black
Date Received: 2/28/2019
Samples Received: 32
Samples Analyzed: 32
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Black asphaltic brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 03/05/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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ASBESTOS LABORATORY SERVICES

NVL

Company EMB Consulting, LLC
Address 22725 44th Ave W. #203
Mountlake Terrace, WA 98043
Project Manager Ms. Elisabeth Black
Phone (206) 915-2395

NVL Batch Number 1903914.00
TAT 5 Days **AH** No
Rush TAT
Due Date 3/7/2019 **Time** 2:30 PM
Email emblackconsult@gmail.com
Fax

Project Name/Number: Elisabeth Black **Project Location:** Anacortes - WTP

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 32 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	19020335	WTP-2-INS1-1		A
2	19020336	WTP-Ext-INS2-1		A
3	19020337	WTP-1-LC1-1		A
4	19020338	WTP-2-LC2-2		A
5	19020339	WTP-2-LM1-1		A
6	19020340	WTP-2-MS1-1		A
7	19020341	WTP-Ext-PC1-1		A
8	19020342	WTP-Ext-RM1-1		A
9	19020343	WTP-Ext-RM2-1		A
10	19020344	WTP-Ext-RM2-2		A
11	19020345	WTP-Ext-RM2-3		A
12	19020346	WTP-Ext-RM3-1		A
13	19020347	WTP-Ext-RM3-2		A
14	19020348	WTP-Ext-RM3-3		A
15	19020349	WTP-Ext-SL1-1	Black material only	A
16	19020350	WTP-2-SU-1		A
17	19020351	WTP-2-TZ1-1		A
18	19020352	WTP-1-TZ1-2		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Matthew McCallum		NVL	2/28/19	1430
Analyzed by	Michael Jenkins		NVL	3/5/19	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions: Batch split 1903896. $50 admin fee approved for changes.

Date: 3/1/2019
Time: 10:00 AM
Entered By: Michael Jenkins

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ASBESTOS LABORATORY SERVICES

NVL

Company EMB Consulting, LLC
Address 22725 44th Ave W. #203
Mountlake Terrace, WA 98043
Project Manager Ms. Elisabeth Black
Phone (206) 915-2395

NVL Batch Number 1903914.00
TAT 5 Days **AH** No
Rush TAT
Due Date 3/7/2019 **Time** 2:30 PM
Email emblackconsult@gmail.com
Fax

Project Name/Number: Elisabeth Black **Project Location:** Anacortes - WTP

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 32 Rush Samples

	Lab ID	Sample ID	Description	A/R
19	19020353	WTP-1-TZ1-3		A
20	19020354	WTP-2-Vib1-1		A
21	19020355	WTP-2-VFC1-1		A
22	19020356	WTP-2-VFC1-2		A
23	19020357	WTP-2-VFC1-3		A
24	19020358	WTP-2-VFC1-4		A
25	19020359	WTP-2-VFC1-5		A
26	19020360	WTP-2-VFC2-1		A
27	19020361	WTP-2-VFT1-1		A
28	19020362	WTP-Ext-WP1-1		A
29	19020363	WTP-2-WS-1		A
30	19020364	SB-EXT-EJC2-1		A
31	19020365	FB-EXT-SL1-1		A
32	19020366	SB-EXT-SL1-2	Black material only	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Matthew McCallum		NVL	2/28/19	1430
Analyzed by	Michael Jenkins		NVL	3/5/19	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions: Batch split 1903896. $50 admin fee approved for changes.

Date: 3/1/2019
Time: 10:00 AM
Entered By: Michael Jenkins

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April 19, 2019

Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Bulk Asbestos Fiber Analysis; NVL Batch # 1906222.01

Client Project: 1511
Location: AWTP

Dear Ms. Black,

Enclosed please find test results for the 22 sample(s) submitted to our laboratory for analysis on 3/29/2019.

Examination of these samples was conducted for the presence of identifiable asbestos fibers using polarized light microscopy (PLM) with dispersion staining in accordance with both **EPA 600/M4-82-020**, Interim Method for the Determination of Asbestos in Bulk Insulation Samples and **EPA 600/R-93/116** Method for the Determination of Asbestos in Bulk Building Materials.

For samples containing more than one separable layer of materials, the report will include findings for each layer (labeled Layer 1 and Layer 2, etc. for each individual layer). The asbestos concentration in the sample is determined by calibrated visual estimation.

For those samples with asbestos concentrations between 1 and 10 percent based on visual estimation, the EPA recommends a procedure known as point counting (NESHAPS, 40 CFR Part 61). Point counting is a statistically more accurate means of quantification for samples with low concentrations of asbestos.

The detection limit for the calibrated visual estimation is <1%, 400 point counts is 0.25% and 1000 point counts is 0.1%

Samples are archived for two weeks following analysis. Samples that are not retrieved by the client are discarded after two weeks.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Matt Macfarlane, Asbestos Lab Supervisor

Lab Code: 102063-0

Enc.: Sample Results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19032085 **Client Sample #: SB-EXT-CK4-1**
Location: AWTP

Layer 1 of 2 **Description:** White brittle material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Paint, Fine particles	Synthetic fibers	5%	**None Detected ND**

Layer 2 of 2 **Description:** Light gray crumbly material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Binder/Filler, Fine grains	Cellulose	2%	**None Detected ND**

Lab ID: 19032086 **Client Sample #: SB-EXT-CORK1-1**
Location: AWTP

Layer 1 of 2 **Description:** Light brown soft adhesive with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Adhesive/Binder, Debris, Fine particles	Cellulose	3%	**None Detected ND**

Layer 2 of 2 **Description:** Brown soft spongy material

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Cork	None Detected	ND	**None Detected ND**

Lab ID: 19032087 **Client Sample #: SB_EXT-EJC3-1**
Location: AWTP

Layer 1 of 4 **Description:** White brittle adhesive

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Adhesive/Binder	None Detected	ND	**None Detected ND**

Layer 2 of 4 **Description:** Gray cementitious material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Cement/Binder, Fine grains	Talc fibers	18%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 3 of 4	**Description:** Beige crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**
Layer 4 of 4	**Description:** Beige brittle adhesive			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Adhesive/Binder, Fine particles	Cellulose	2%	**None Detected ND**

Lab ID: 19032088 **Client Sample #: SB-EXT-SL3-1**
Location: AWTP

Layer 1 of 2	**Description:** Black brittle material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Paint, Fine grains	Cellulose	3%	**None Detected ND**
Layer 2 of 2	**Description:** Gray crumbly material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19032089 **Client Sample #: WTP-1-CAB2-2**
Location: AWTP

Layer 1 of 1	**Description:** Gray compressed fibrous material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Cellulose	80%	**None Detected ND**
		Synthetic fibers	10%	

Lab ID: 19032090 **Client Sample #: WTP-1-GS1-6**
Location: AWTP

Layer 1 of 1	**Description:** Red rubbery material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Paint, Fine particles	Synthetic fibers	2%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19032091 **Client Sample #: WTP-1-GS1-7**
Location: AWTP
Layer 1 of 1 **Description:** Red rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Paint, Fine particles	Synthetic fibers 2%	**None Detected ND**

Lab ID: 19032092 **Client Sample #: WTP-1-GS1-8**
Location: AWTP
Layer 1 of 1 **Description:** Red rubbery material with paint

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Rubber/Binder, Paint, Fine particles	Synthetic fibers 2%	**None Detected ND**

Lab ID: 19032093 **Client Sample #: WTP-1-IB1-1**
Location: AWTP
Layer 1 of 1 **Description:** Black brittle fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 2%	**Crocidolite 35%**
		Chrysotile 5%

Lab ID: 19032094 **Client Sample #: WTP-1-IB2-1**
Location: AWTP
Layer 1 of 1 **Description:** Black brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 15%	**None Detected ND**

Lab ID: 19032095 **Client Sample #: SB-EXT-LC4-1**
Location: AWTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 2	**Description:** Light gray brittle material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Paint, Fine grains	None Detected	ND	**None Detected ND**
	Metal wire			
Layer 2 of 2	**Description:** White soft/elastic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Fine particles	Synthetic fibers	2%	**None Detected ND**

Lab ID: 19032096 **Client Sample #: SB-EXT-SL2-1**
Location: AWTP
Comments: Unsure of correct layer sequence.

Layer 1 of 2	**Description:** Light gray soft/elastic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Synthetic Binder, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Brown foamy material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Synthetic foam	None Detected	ND	**None Detected ND**

Lab ID: 19032097 **Client Sample #: SB-EXT-CK2-1**
Location: AWTP

Layer 1 of 2	**Description:** Gray and black soft/elastic material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Synthetic Binder, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 2	**Description:** Light gray brittle material with paint			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Binder/Filler, Paint, Fine grains	None Detected	ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19032098 **Client Sample #: SB-EXT-CK3-1**
Location: AWTP

Layer 1 of 2 **Description:** White soft/elastic material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Synthetic Binder	None Detected ND	**None Detected ND**

Layer 2 of 2 **Description:** Light gray brittle material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Binder/Filler, Fine grains	None Detected ND	**None Detected ND**

Lab ID: 19032099 **Client Sample #: WTP-EXT-EJC2-1**
Location: AWTP

Layer 1 of 3 **Description:** Black foamy material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Synthetic foam	None Detected ND	**None Detected ND**

Layer 2 of 3 **Description:** Green foamy material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Synthetic foam	Synthetic fibers 10%	**None Detected ND**

Layer 3 of 3 **Description:** Light gray rubbery material

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Fine particles	None Detected ND	**None Detected ND**

Lab ID: 19032100 **Client Sample #: WTP-EXT-EJC3-1**
Location: AWTP

Layer 1 of 1 **Description:** Gray rubbery material with debris

Non-Fibrous Materials:	Other Fibrous Materials: %	**Asbestos Type: %**
Rubber/Binder, Cement/Binder, Debris Fine particles, Fine grains	None Detected ND	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Lab ID: 19032101 **Client Sample #: WTP-EXT-FL1-1**
Location: AWTP

Layer 1 of 3	**Description:** Black brittle material with silver foil			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Metal foil, Binder/Filler, Fine particles	None Detected	ND	**None Detected ND**
Layer 2 of 3	**Description:** Black asphaltic mastic			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Asphalt/Binder	None Detected	ND	**None Detected ND**
Layer 3 of 3	**Description:** Black brittle material with copper foil			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Metal foil, Binder/Filler, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 19032102 **Client Sample #: FB-EXT-GS1-5**
Location: AWTP

Layer 1 of 1	**Description:** Red rubbery material			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19032103 **Client Sample #: FB-EXT-GS2-3**
Location: AWTP

Layer 1 of 1	**Description:** Black rubbery material with debris			
	Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
	Rubber/Binder, Debris, Fine particles	None Detected	ND	**None Detected ND**

Lab ID: 19032104 **Client Sample #: WTP-EXT-PC2-1**
Location: AWTP

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: AWTP

Batch #: 1906222.01
Client Project #: 1511
Date Received: 3/29/2019
Samples Received: 22
Samples Analyzed: 22
Method: EPA/600/R-93/116 & EPA/600/M4-82-020

Layer 1 of 1 **Description:** Light gray crumbly material with paint

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Paint, Binder/Filler, Fine grains	None Detected	ND	**None Detected ND**

Lab ID: 19032105 **Client Sample #: WTP-EXT-PC4-1**
Location: AWTP

Layer 1 of 1 **Description:** White soft material with sandy debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Caulking compound, Sand, Debris	None Detected	ND	**None Detected ND**

Lab ID: 19032106 **Client Sample #: WTP-EXT-WP2-1**
Location: AWTP

Layer 1 of 1 **Description:** Gray soft rubbery material with debris

Non-Fibrous Materials:	Other Fibrous Materials:	%	**Asbestos Type: %**
Rubber/Binder, Debris, Fine particles	Cellulose	4%	**None Detected ND**

Sampled by: Client
Analyzed by: Michael Jenkins **Date:** 04/04/2019
Reviewed by: Matt Macfarlane **Date:** 04/19/2019

Matt Macfarlane, Asbestos Lab Supervisor

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and 600/M4-82-020 Methods with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government

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1605 Cornwall Avenue
Bellingham, Washington 98225
360.733.4311

ANCHOR QEA

Memorandum

January 24, 2023

To: File

From: Tanner Kamila, Anchor QEA, LLC

cc: Julia Fitts, LG, Anchor QEA

Re: Anacortes Former Water Treatment Plant Demolition Design: Summary of Pre-Design Characterization Results

Overview

Attached to this memorandum are sampling figures and data tables detailing the results of the various building material sampling events completed to inform the demolition design of the Anacortes Former Water Treatment Plant. The demolition includes the Former Administration Building, Former Filtration Basin, and Former Flocculation and Sedimentation Basins. Table A highlights the various sampling efforts conducted at the site to inform demolition design.

Table A
Demolition Design Sampling Events

Program Name	Date	Sampling Summary
Initial Investigation	2019	Building material and concrete sampling of all structures for demolition
Pre-Design Investigation	2021	Additional building material and concrete sampling of all structures for demolition
Pilot Study	2021–2022	Additional concrete sampling within the Former Administration Building
Supplemental Design Sampling	2022	Collection of supplemental concrete samples to refine extent of contamination

Figures

Two sets of figures are appended to this memorandum. Figures 1a through 1c depict the locations and concentrations of building material samples throughout the buildings included in the design. Figures 2a through 2c depict the locations and concentrations of concrete samples throughout the buildings included in the design. On all figures, the total polychlorinated biphenyl (PCB) results are presented parenthetically with the sample ID.

"Step-out" samples were collected to determine the lateral extent of PCB contamination from painted surfaces. Various concrete samples collected from a given location as "step-out" samples (i.e., collected at an initial point, 3 inches from the initial point, and 6 inches from the initial point) are noted as sequential samples associated with the same sample location. For example,

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PS-ADMIN-CO-FL-03-03 indicates a concrete floor sample at location 03 collected 3 inches from the wall, and PS-ADMIN-CO-FL-03-06 indicates a concrete floor sample at location 03 collected 6 inches from the wall.

Depth-integrated samples were collected to understand the impact of PCBs vertically within concrete. For these samples, material was collected at increasing depths from the same sample location, and the sample depth is included in the sample ID. For example, SEDT-CO-FL-02-0-1 is representative of the concrete floor sample collected at location 02 from 0 to 1 centimeter in depth, and SEDT-CO-FL-02-1-2 is representative of the concrete floor sample collected at the same location from 1 to 2 centimeters in depth.

Tables

The results for all samples from the sampling events listed in Table A are presented in the appended tables. PCB results are presented in Table 1 for all samples. Results are presented for each Aroclor, in addition to the Total PCB value shown on the figures. Table 2 presents the toxicity characteristic leaching procedure (TCLP) results for the subset of samples submitted for TCLP analysis. Table 3 presents the results for additional testing run on a subset of samples including total metals, volatile organic compounds, and semivolatile organic compounds to inform waste characterization and material disposal.

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Tables

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Table 1
PCB Results

Sample ID	Sample Date	Sample Type	Result Units	Sample Detail	Analyte Result									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Administration Building														
ADMIN-W-PUMP-01	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	1.13	0.18	ND	ND	1.3
ADMIN-W-PUMP-02	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	1.03	0.2	ND	ND	1.2
ADMIN-W-PUMP-03	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	40.9	8.33	ND	ND	49.2
ADMIN-PC-PUMP-01	4/3/2019	Paint chip	mg/kg		ND	ND	ND	ND	ND	77	ND	ND	ND	77.0
ADMIN-PC-PUMP-02	4/3/2019	Paint chip	mg/kg		ND	ND	ND	ND	ND	8,300	ND	ND	ND	8,300
ADMIN-W-PIPE-01	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	33.8	6.48	ND	ND	40.3
ADMIN-W-WIRE-01	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	12.1	11.8	ND	ND	23.9
ADMIN-W-CABINET-01	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	9.1	37.9	ND	ND	47.0
ADMIN-WIRE-CABINET-01	3/1/2019	Wire	mg/kg		ND	ND	ND	ND	ND	852	3740	ND	ND	4,592
ADMIN-CO-BA-01-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	2.46	5.8	0.663	ND	ND	8.9
ADMIN-CO-FL-01-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	0.48	0.917	ND	ND	ND	1.4
ADMIN-CO-FL-02-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	389	ND	ND	ND	389
ADMIN-CO-FL-03-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	0.367	ND	ND	ND	0.40
ADMIN-CO-FL-04-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	1.11	0.129	ND	ND	1.2
T0-ADMIN-CO-WA-01	9/21/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T0-ADMIN-CO-WA-02	9/21/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T0-ADMIN-CO-WA-03	9/21/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	0.32	ND	ND	ND	0.32
PDI-ADMIN-CK-EXP-01	5/13/2021	Caulk	mg/kg	Filter basin expansion joint	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CK-WIN-01	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	170	ND	ND	ND	170
PDI-ADMIN-CK-WIN-02	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	3.6	ND	ND	ND	3.6
PDI-ADMIN-CK-WIN-03	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	ND	170.0	ND	ND	170
PDI-ADMIN-CK-WIN-04	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	11	ND	ND	ND	11.0
PDI-ADMIN-CK-WIN-05	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	22	ND	ND	ND	22.0
PDI-ADMIN-CK-WIN-06	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	5,300	ND	ND	ND	5,300
PDI-ADMIN-CK-WIN-07	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	68	ND	ND	ND	68.0
PDI-ADMIN-CK-WIN-08	5/13/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	170	ND	ND	ND	170
PDI-ADMIN-CO-FL-01	5/12/2021	Concrete	mg/kg	Carbon feed room floor	ND	ND	ND	ND	ND	1.6	ND	ND	ND	1.6
PDI-ADMIN-CO-FL-02-COMP	5/12/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-FL-03-COMP	5/12/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-FL-04-COMP	5/12/2021	Concrete	mg/kg	Main floor composite (excluding pump room)	ND	ND	ND	ND	ND	0.3	ND	ND	ND	0.32
PDI-ADMIN-CO-FL-05	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	18	ND	ND	ND	18.0
PDI-ADMIN-CO-FL-06	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-FL-07	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	2.5	ND	ND	ND	2.5
PDI-ADMIN-CO-FL-08	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.44
PDI-ADMIN-CO-WA-01-COMP	5/12/2021	Concrete	mg/kg	Composite including cinder block, brick, and ceramic tile	ND	ND	ND	ND	ND	300	ND	ND	ND	300
PDI-ADMIN-CO-WA-02	5/12/2021	Concrete	mg/kg	North stairwell wall (2nd floor)	ND	ND	ND	ND	ND	460	ND	ND	ND	460
PDI-ADMIN-CO-WA-03	5/12/2021	Concrete	mg/kg	Operator room (2nd floor)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-WA-04-COMP	5/12/2021	Concrete	mg/kg	Pump room wall composite	ND	ND	ND	ND	ND	180	ND	ND	ND	180
PDI-ADMIN-CO-WA-05-COMP	5/12/2021	Concrete	mg/kg	Main floor wall composite (excluding pump room)	ND	ND	ND	ND	ND	150	ND	ND	ND	150
PDI-ADMIN-CO-WA-06	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	1,200	ND	ND	ND	1,200
PDI-ADMIN-CO-WA-07	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	1,800	ND	ND	ND	1,800
PDI-ADMIN-CO-WA-08	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	470	ND	ND	ND	470
PDI-ADMIN-PC-EQUIP-01	5/12/2021	Paint chip	mg/kg	Green paint in chemical feed room (2nd floor)	ND	ND	ND	ND	ND	450	ND	ND	ND	450
PDI-ADMIN-PC-EQUIP-02	5/12/2021	Paint chip	mg/kg	Grey paint on control panel in operator room	ND	ND	ND	ND	ND	130	ND	ND	ND	130
PDI-ADMIN-PC-EQUIP-03	5/12/2021	Paint chip	mg/kg	Pump room, gray paint from electrical cabinet	ND	ND	ND	ND	ND	82	ND	ND	ND	82.0
PDI-ADMIN-PC-EQUIP-04	5/13/2021	Paint chip	mg/kg	Yellow paint	ND	ND	ND	ND	ND	310	ND	ND	ND	310
PDI-ADMIN-PC-WALL-01	5/12/2021	Paint chip	mg/kg	Dark blue paint on door frames, doors, and window frames (2nd floor)	ND	ND	ND	ND	ND	6,800	ND	ND	ND	6,800
PDI-ADMIN-W-EQUIP-01	5/12/2021	Wipe	µg/wipe	Aluminum equipment under hoppers in chemical feed room	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
PDI-ADMIN-W-PIPE-01	5/13/2021	Wipe	µg/wipe		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CK-ROOF-01	5/17/2021	Caulk	mg/kg	Pump room roof deck	ND	ND	ND	ND	ND	34	ND	ND	ND	33.0
PDI-ADMIN-CK-WIN-09	5/17/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	3.5	ND	ND	ND	3.4
PDI-ADMIN-MA-FL-01	5/17/2021	Mastic	mg/kg		ND	ND	ND	ND	ND	29	ND	ND	ND	29.0
PDI-ADMIN-MA-FL-02	5/17/2021	Mastic	mg/kg		ND	ND	ND	ND	ND	5.0	ND	ND	ND	5.1
PDI-ADMIN-LC-FL-01	5/17/2021	Leveling compound	mg/kg		ND	ND	ND	ND	ND	1.0	ND	ND	ND	1.0
PDI-ADMIN-CO-FL-09-COMP	5/17/2021	Concrete	mg/kg	2nd floor composite	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-FL-10	5/17/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CK-DR-01	5/14/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	680	ND	ND	ND	680
PDI-ADMIN-CK-DR-02	5/14/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	120	ND	ND	ND	120
PDI-ADMIN-CK-DR-03	5/14/2021	Caulk	mg/kg		ND	ND	ND	ND	ND	150	ND	ND	ND	150
PDI-ADMIN-CO-ROOF-01	5/14/2021	Concrete	mg/kg	Blue painted concrete on roof (not on figures, on upper roof of administration building)	ND	ND	ND	ND	ND	ND	870	ND	ND	870
PDI-ADMIN-CO-ROOF-02	5/14/2021	Concrete	mg/kg	Brick 6 inches below blue concrete (not on figures, on upper roof of administration building)	ND	ND	ND	ND	ND	ND	0.5	ND	ND	0.48
PDI-ADMIN-CO-ROOF-03	5/14/2021	Concrete	mg/kg	Brick 12 inches below blue concrete (not on figures, on upper roof of administration building)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-ROOF-04-COMP	5/17/2021	Concrete	mg/kg	Not on figures, on upper roof of administration building	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-ADMIN-CO-ROOF-05-COMP	5/17/2021	Concrete	mg/kg	Pump room roof deck	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PS-ADMIN-CO-FL-01-03	1/11/2022	Concrete	mg/kg	3 inches from wall, pump room	ND	ND	ND	ND	ND	2.2	ND	--	--	2.2
PS-ADMIN-CO-FL-01-06	1/11/2022	Concrete	mg/kg	6 inches from wall, pump room	ND	ND	ND	ND	ND	1.3	ND	--	--	1.3
PS-ADMIN-CO-FL-01-12	1/11/2022	Concrete	mg/kg	12 inches from wall, pump room	ND	ND	ND	ND	ND	2.3	ND	--	--	2.3
PS-ADMIN-CO-FL-02-03	1/11/2022	Concrete	mg/kg	3 inches from wall, pump room	ND	ND	ND	ND	ND	1,400	ND	--	--	1,400
PS-ADMIN-CO-FL-02-06	1/11/2022	Concrete	mg/kg	6 inches from wall, pump room	ND	ND	ND	ND	ND	1.4	ND	--	--	1.4
PS-ADMIN-CO-FL-02-12	1/11/2022	Concrete	mg/kg	12 inches from wall, pump room	ND	ND	ND	ND	ND	1.6	ND	--	--	1.6
PS-ADMIN-CO-FL-03-03	1/11/2022	Concrete	mg/kg	3 inches from wall, work shop	ND	ND	ND	ND	ND	6.8	ND	--	--	6.8
PS-ADMIN-CO-FL-03-06	1/11/2022	Concrete	mg/kg	6 inches from wall, work shop	ND	ND	ND	ND	ND	1.8	ND	--	--	1.8
PS-ADMIN-CO-FL-03-12	1/11/2022	Concrete	mg/kg	12 inches from wall, work shop	ND	ND	ND	ND	ND	ND	ND	--	--	ND
PS-ADMIN-CO-FL-04-03	1/11/2022	Concrete	mg/kg	3 inches from wall, work shop	ND	ND	ND	ND	ND	6.7	ND	--	--	6.7
PS-ADMIN-CO-FL-04-06	1/11/2022	Concrete	mg/kg	6 inches from wall, work shop	ND	ND	ND	ND	ND	1.6	ND	--	--	1.6
PS-ADMIN-CO-FL-04-12	1/11/2022	Concrete	mg/kg	12 inches from wall, work shop	ND	ND	ND	ND	ND	ND	ND	--	--	ND
PS-ADMIN-CO-FL-05-03	1/11/2022	Concrete	mg/kg	3 inches from wall, chemical storage room	ND	ND	ND	ND	ND	ND	ND	--	--	ND
PS-ADMIN-CO-FL-05-06	1/11/2022	Concrete	mg/kg	6 inches from wall, chemical storage room	ND	ND	ND	ND	ND	ND	ND	--	--	ND
PS-ADMIN-CO-FL-05-12	1/11/2022	Concrete	mg/kg	12 inches from wall, chemical storage room	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-01A-0-0.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	1300	ND	--	--	1300
DE-ADMIN-CO-FL-01A-0.5-1	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	28	ND	--	--	28
DE-ADMIN-CO-FL-01A-1-1.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	31	ND	--	--	31
DE-ADMIN-CO-FL-01B-FD	6/1/2022	Concrete	mg/kg	6 inches from wall, 0–3-inch full-depth sample	ND	ND	ND	ND	ND	1.8	ND	--	--	1.8
DE-ADMIN-CO-FL-01C-FD	6/1/2022	Concrete	mg/kg	12 inches from wall, 0–3-inch full-depth sample	ND	ND	ND	ND	ND	6.8	ND	--	--	6.8
DE-ADMIN-CO-FL-02A-0-0.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	120	ND	--	--	120
DE-ADMIN-CO-FL-02A-0.5-1	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	11	ND	--	--	11
DE-ADMIN-CO-FL-02A-1-1.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	8.6	ND	--	--	8.6
DE-ADMIN-CO-FL-02B-FD	6/1/2022	Concrete	mg/kg	6 inches from wall,0–3-inch full-depth sample	ND	ND	ND	ND	ND	4.0	ND	--	--	4.0
DE-ADMIN-CO-FL-02C-FD	6/1/2022	Concrete	mg/kg	12 inches from wall, 0–3-inch full-depth sample	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-03A-0-0.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	19	ND	--	--	19
DE-ADMIN-CO-FL-03A-0.5-1	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	2.0	ND	--	--	2.0
DE-ADMIN-CO-FL-03A-1-1.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-03B-FD	6/1/2022	Concrete	mg/kg	6 inches from wall, 0–3-inch full-depth sample	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-03C-FD	6/1/2022	Concrete	mg/kg	12 inches from wall, 0–3-inch full-depth sample	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-04A-0-0.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	6.7	ND	--	--	6.7

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DE-ADMIN-CO-FL-04A-0.5-1	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	0.99	ND	--	--	0.99
DE-ADMIN-CO-FL-04A-1-1.5	6/1/2022	Concrete	mg/kg	3 inches from wall	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-04B-FD	6/1/2022	Concrete	mg/kg	6 inches from wall,0–3-inch full-depth sample	ND	ND	ND	ND	ND	3.3	ND	--	--	3.3
DE-ADMIN-CO-FL-04C-FD	6/1/2022	Concrete	mg/kg	12 inches from wall, 0–3-inch full-depth sample	ND	ND	ND	ND	ND	ND	ND	--	--	ND
DE-ADMIN-CO-FL-05-FD	6/1/2022	Concrete	mg/kg	Colocated with PDI-ADMIN-CO-FL-05,0–3-inch full-depth sample	ND	ND	ND	ND	ND	17	ND	--	--	17
Filtration Basin														
FIL-CO-WA-01-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	438	762	ND	ND	ND	1,200
FIL-CO-WA-01-1-2	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	3.02	4.56	ND	ND	ND	7.6
FIL-CO-WA-01-2-3	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	0.159	0.202	ND	ND	ND	0.40
FIL-CO-WA-02-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	638	1140	ND	ND	ND	1,778
FIL-CO-WA-02-1-2	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	1.1	1.77	ND	ND	ND	2.9
FIL-CO-WA-02-2-3	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	5.46	11.5	ND	ND	ND	12.6
FIL-CO-WA-03-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	697	715	ND	ND	1,412
FIL-CO-WA-03-1-2	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	43	44.8	ND	ND	87.8
FIL-CO-WA-03-2-3	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	2.41	1.75	ND	ND	4.2
FIL-CO-WA-04-FD	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	20.7	21.3	ND	ND	42.0
FIL-CO-WA-05-FD	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	1.7	ND	1.5	ND	3.3
PDI-FIL-CO-WA-01	5/12/2021	Concrete	mg/kg	Interior basin wall sample	ND	ND	ND	ND	ND	200	ND	ND	ND	200
PDI-FIL-CO-WA-02-FD	5/12/2021	Concrete	mg/kg	Exterior basin wall sample	ND	ND	ND	ND	ND	ND	94	ND	ND	94.0
PDI-FIL-FG-TR-01	5/11/2021	Fiberglass trough	mg/kg	Trough in filtration basin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MA-WA-01-06	5/10/2021	Mastic	mg/kg	Mastic sampled 6 inches below ground surface	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.39
PDI-FIL-MA-WA-01-12	5/10/2021	Mastic	mg/kg	Mastic sampled 12 inches below ground surface	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.41
PDI-FIL-MA-WA-01-18	5/10/2021	Mastic	mg/kg	Mastic sampled 18 inches below ground surface	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.13
PDI-FIL-MA-WA-01-24	5/10/2021	Mastic	mg/kg	Mastic sampled 24 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MA-WA-01-30	5/10/2021	Mastic	mg/kg	Mastic sampled 30 inches below ground surface	ND	ND	ND	ND	ND	4.4	ND	ND	ND	4.4
PDI-FIL-MA-WA-01-36	5/10/2021	Mastic	mg/kg	Mastic sampled 36 inches below ground surface	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.14
PDI-FIL-MA-WA-01-42	5/10/2021	Mastic	mg/kg	Mastic sampled 42 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MA-WA-01-48	5/10/2021	Mastic	mg/kg	Mastic sampled 48 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MA-WA-01-54	5/10/2021	Mastic	mg/kg	Mastic sampled 54 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MA-WA-01-60	5/10/2021	Mastic	mg/kg	Mastic sampled 60 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MED-FL-01	5/11/2021	Filter media	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-W-PIPE-01	5/12/2021	Wipe	µg/wipe		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-CO-ROOF-01	5/18/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-FIL-MA-WA-01-30-R1	5/18/2021	Mastic	mg/kg	Resampled mastic at 30 inches below ground surface	ND	ND	ND	ND	ND	ND	0.7	ND	ND	0.68
Pipe Gallery														
PG-W-PIPE-01	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	31.2	ND	ND	ND	31.2 µg/wipe
PG-W-PIPE-02	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	13.2	ND	ND	ND	13.2 µg/wipe
PG-W-PIPE-03	3/1/2019	Wipe	µg/wipe		ND	ND	ND	ND	ND	7.98	ND	ND	ND	8 µg/wipe
PG-PC-PIPE-01	4/3/2019	Paint chip	mg/kg		ND	ND	ND	ND	ND	6100	ND	ND	ND	6100
PG-PC-PIPE-02	4/3/2019	Paint chip	mg/kg		ND	ND	ND	ND	ND	2100	ND	ND	ND	2100
PG-PC-PIPE-03	4/3/2019	Paint chip	mg/kg		ND	ND	ND	ND	ND	3000	ND	ND	ND	3000
T0-PG-CO-FL-01	9/21/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	3.3	ND	ND	ND	3.3
T0-PG-CO-FL-02	9/21/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	2.5	ND	ND	ND	2.5
T0-PG-W-01	9/21/2021	Wipe	µg/wipe		ND	ND	ND	ND	ND	1.7	ND	ND	ND	1700 µg/wipe
T0-PG-W-02	9/21/2021	Wipe	µg/wipe		ND	ND	ND	ND	ND	0.36	ND	ND	ND	360 µg/wipe
PDI-PG-CO-FL-01	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	12	ND	ND	ND	12.0
PDI-PG-CO-FL-02	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	5.4	ND	ND	ND	5.4
PDI-PG-CO-FL-03-FD	5/13/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	0.6	ND	ND	ND	0.57
PDI-PG-PC-EQUIP-01	5/13/2021	Paint chip	mg/kg	Gray paint	ND	ND	ND	ND	ND	460	ND	ND	ND	460

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Table 1
PCB Results

Sample ID	Sample Date	Sample Type	Result Units	Sample Detail	Analyte Result									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
PDI-PG-PC-EQUIP-02	5/13/2021	Paint chip	mg/kg	Gray paint	ND	ND	ND	ND	ND	370	ND	ND	ND	370
PDI-PG-PC-PIPE-01	5/13/2021	Paint chip	mg/kg	Green paint	ND	ND	ND	ND	ND	40,000	ND	ND	ND	40,000
PDI-PG-PC-PUMP-01	5/13/2021	Paint chip	mg/kg	Gray paint	ND	ND	ND	ND	ND	300	ND	ND	ND	300
PDI-PG-W-HVAC-01	5/13/2021	Wipe	µg/wipe	HVAC pipe	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.09 µg/wipe
Sedimentation Basin														
SEDEX-CO-WA-03-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	410	472	ND	ND	882
SEDEX-CO-WA-03-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	4.8	3.4	ND	ND	8.2
SEDEX-CO-WA-03-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	0.66	0.28	ND	ND	0.90
SEDEX-CO-WA-04-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	7.59	2.01	ND	ND	9.6
SEDEX-CO-WA-04-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	0.27	0.08	ND	ND	0.40
SEDEX-CO-WA-04-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	0.22	0.07	ND	ND	0.30
SEDEX-CO-WA-05-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	9.48	1.72	ND	ND	11.2
SEDEX-CO-WA-05-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	0.56	0.18	ND	ND	0.70
SEDEX-CO-WA-05-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	0.19	ND	ND	ND	0.20
SEDEX-CO-WA-07-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	1,360	1,010	ND	ND	2,370
SEDEX-CO-WA-07-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	6.6	2.8	ND	ND	9.4
SEDEX-CO-WA-07-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	8.1	5.9	ND	ND	13.9
SEDEX-CO-WA-09-FD	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	10.0	ND	7.4	ND	18.0
SEDEX-CO-WA-10-0-1	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	400	ND	330	ND	730
SEDEX-CO-WA-10-1-2	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	9.3	ND	7.4	ND	17.0
SEDEX-MA-WA-11	4/4/2019	Mastic	mg/kg		ND	ND	ND	ND	ND	450.0	ND	ND	ND	450
SEDEX-MA-WA-12	4/4/2019	Mastic	mg/kg		ND	ND	ND	ND	ND	140.0	ND	ND	ND	140
SEDT-PC-RAIL-01	2/27/2019	Paint chip	mg/kg		ND	ND	ND	ND	10,200	16,200	ND	ND	ND	26,400
SEDT-CK-FL-01	2/27/2019	Caulk	mg/kg		ND	ND	ND	ND	542	944	ND	ND	ND	1,554
SEDT-CO-FL-01-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	302	680	ND	ND	ND	982
SEDT-CO-FL-01-1-2	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	44	96	ND	ND	ND	140
SEDT-CO-FL-01-2-3	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	19.9	44.8	ND	ND	ND	64.7
SEDT-CO-FL-02-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	474.0	855.0	ND	ND	ND	1,329
SEDT-CO-FL-02-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	30.2	56.3	ND	ND	ND	86.5
SEDT-CO-FL-02-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	6.8	11.8	ND	ND	ND	18.6
SEDT-CO-FL-03-0-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	252.0	542.0	209.0	ND	ND	1,003
SEDT-CO-FL-04-0-9	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	837.0	2,300.0	1,040.0	ND	ND	4,117
SEDT-CO-FL-05-0-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	47.6	106.0	14.7	ND	ND	168
SEDT-CO-FL-06-0-9	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	7.9	16.6	2.1	ND	ND	26.5
SEDT-CO-FL-07-3-4	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	22.0	ND	ND	ND	22.0
SEDT-CO-FL-07-4-5	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	4.3	ND	ND	ND	4.3
SEDT-CO-FL-07-5-6	4/4/2019	Concrete	mg/kg		ND	ND	ND	ND	ND	2.0	ND	ND	ND	2.0
SEDT-CO-WA-01-0-1	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	95.3	228.0	ND	ND	ND	323
SEDT-CO-WA-01-1-2	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	10.4	23.0	ND	ND	ND	33.4
SEDT-CO-WA-01-2-3	2/27/2019	Concrete	mg/kg		ND	ND	ND	ND	1.5	3.1	ND	ND	ND	4.6
SEDT-CO-WA-06-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	340	644	ND	ND	ND	984
SEDT-CO-WA-06-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	0.81	1.2	ND	ND	ND	2.0
SEDT-CO-WA-06-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	0.50	0.68	ND	ND	ND	1.2
SEDT-CO-WA-08-0-1	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	239	570	ND	ND	ND	809
SEDT-CO-WA-08-1-2	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	0.82	1.46	ND	ND	ND	2.3
SEDT-CO-WA-08-2-3	2/28/2019	Concrete	mg/kg		ND	ND	ND	ND	0.197	0.33	ND	ND	ND	0.50
PDI-SED-CO-FL-01	5/11/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-FL-02	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-FL-03	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-FL-04	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table 1
PCB Results

Sample ID	Sample Date	Sample Type	Result Units	Sample Detail	Analyte Result									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
PDI-SED-CO-FL-05	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-WA-01	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	0.66	ND	ND	0.66
PDI-SED-CO-WA-02	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	1.3	ND	ND	1.3
PDI-SED-CO-WA-03	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.10
PDI-SED-CO-WA-04	5/11/2021	Concrete	mg/kg	Step out samples along expansion joint	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-WA-05	5/11/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-EJ-FL-01	5/13/2021	Expansion joint	mg/kg	Sedimentation basin expansion joint material	ND	ND	ND	ND	ND	9.5	ND	ND	ND	9.5
PDI-SEDEX-CO-WA-01-FD	5/11/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	190	ND	ND	190
PDI-SEDEX-CO-WA-02-FD	5/11/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	52	ND	ND	52.0
PDI-SEDEX-MA-WA-01-06	5/10/2021	Mastic	mg/kg	Mastic sampled 6 inches below ground surface	ND	ND	ND	ND	ND	2.8	ND	ND	ND	2.8
PDI-SEDEX-MA-WA-01-12	5/10/2021	Mastic	mg/kg	Mastic sampled 12 inches below ground surface	ND	ND	ND	ND	ND	5.4	ND	ND	ND	5.4
PDI-SEDEX-MA-WA-01-18	5/10/2021	Mastic	mg/kg	Mastic sampled 18 inches below ground surface	ND	ND	ND	ND	ND	2.9	ND	ND	ND	2.9
PDI-SEDEX-MA-WA-01-24	5/10/2021	Mastic	mg/kg	Mastic sampled 24 inches below ground surface	ND	ND	ND	ND	ND	0.8	ND	ND	ND	0.79
PDI-SEDEX-MA-WA-01-30	5/10/2021	Mastic	mg/kg	Mastic sampled 30 inches below ground surface	ND	ND	ND	ND	ND	0.5	ND	ND	ND	0.49
PDI-SEDEX-MA-WA-01-36	5/10/2021	Mastic	mg/kg	Mastic sampled 36 inches below ground surface	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.35
PDI-SEDEX-MA-WA-01-42	5/10/2021	Mastic	mg/kg	Mastic sampled 42 inches below ground surface	ND	ND	ND	ND	ND	0.3	ND	ND	ND	0.27
PDI-SEDEX-MA-WA-01-48	5/10/2021	Mastic	mg/kg	Mastic sampled 48 inches below ground surface	ND	ND	ND	ND	ND	0.2	ND	ND	ND	0.16
PDI-SEDEX-MA-WA-01-54	5/10/2021	Mastic	mg/kg	Mastic sampled 54 inches below ground surface	ND	ND	ND	ND	ND	0.2	ND	ND	ND	0.19
PDI-SEDEX-MA-WA-01-60	5/10/2021	Mastic	mg/kg	Mastic sampled 60 inches below ground surface	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.43
PDI-SEDEX-MA-WA-02-06	5/10/2021	Mastic	mg/kg	Mastic sampled 6 inches below ground surface	ND	ND	ND	ND	ND	15	ND	ND	ND	15.0
PDI-SEDEX-MA-WA-02-12	5/10/2021	Mastic	mg/kg	Mastic sampled 12 inches below ground surface	ND	ND	ND	ND	ND	3.4	ND	ND	ND	3.4
PDI-SEDEX-MA-WA-02-18	5/10/2021	Mastic	mg/kg	Mastic sampled 18 inches below ground surface	ND	ND	ND	ND	ND	1.4	ND	ND	ND	1.4
PDI-SEDEX-MA-WA-02-24	5/10/2021	Mastic	mg/kg	Mastic sampled 24 inches below ground surface	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.36
PDI-SEDEX-MA-WA-02-30	5/10/2021	Mastic	mg/kg	Mastic sampled 30 inches below ground surface	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.12
PDI-SEDEX-MA-WA-02-36	5/10/2021	Mastic	mg/kg	Mastic sampled 36 inches below ground surface	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.08
PDI-SEDEX-MA-WA-02-42	5/10/2021	Mastic	mg/kg	Mastic sampled 42 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SEDEX-MA-WA-02-48	5/10/2021	Mastic	mg/kg	Mastic sampled 48 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SEDEX-MA-WA-02-54	5/10/2021	Mastic	mg/kg	Mastic sampled 54 inches below ground surface	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SEDEX-MA-WA-02-60	5/10/2021	Mastic	mg/kg	Mastic sampled 60 inches below ground surface	ND	ND	ND	ND	ND	0.4	ND	ND	ND	0.35
PDI-SED-PC-BLADE-01	5/11/2021	Paint chip	mg/kg	From mixing blade within Sedimentation Basin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-SE-FL-01	5/11/2021	Sediment	mg/kg	4-point sediment composite sample	ND	ND	ND	ND	ND	9.1	ND	ND	ND	9.1
PDI-SED-SE-FL-02	5/11/2021	Sediment	mg/kg	4-point sediment composite sample	ND	ND	ND	ND	ND	4.4	ND	ND	ND	4.4
PDI-SED-CO-WA-06	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-WA-07	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-FL-06	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-FL-07	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-SUP-01	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-SUP-02	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	0.2	ND	ND	ND	0.18
PDI-SED-CO-SUP-03	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-WA-08	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.11
PDI-SED-CO-FL-08	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	0.2	ND	ND	ND	0.20
PDI-SED-CO-WA-09	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-WA-10	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PDI-SED-CO-FL-09	5/15/2021	Concrete	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Clear Well														
PDI-CW-CO-ROOF-01	5/17/2021	Concrete	mg/kg	2 inches from wall of filter basin	ND	ND	ND	ND	ND	ND	1.9	ND	ND	1.9
PDI-CW-CO-ROOF-02	5/17/2021	Concrete	mg/kg	6 inches from wall of filter basin	ND	ND	ND	ND	ND	ND	17	ND	ND	17.0
PDI-CW-CO-ROOF-03	5/17/2021	Concrete	mg/kg	12 inches from wall of filter basin	ND	ND	ND	ND	ND	ND	0.2	ND	ND	0.23
DE-CW-CO-ROOF-01-FD	6/1/2022	Concrete	mg/kg	6 inches from wall of filter basin	ND	ND	ND	ND	ND	ND	ND	--	--	ND

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Table 1
PCB Results

Notes:

1. Sample nomenclature includes the program code, building code, sample media type, sample location, and location number. PROGRAM-BUILDING-MEDIA-LOCATION-LOCATION NUMBER, i.e., PDI-SED-CO-WA-01 for a Pre-Design Investigation study sample collected from the Sedimentation Basin that is a concrete wall sample from location 01.
2. Concrete samples are surficial material (0–0.5-inch interval) unless otherwise noted. A "-FD" at the end of the sample ID represents a 0–3-inch full-depth sample.

Program Codes:

No prefix: 2019 Initial Investigation

DE: 2022 Supplemental Design Sampling

PDI: 2021 Pre-Design Investigation

PS: 2021–2022 Pilot Study

Building Codes:

ADMIN: former Administration Building

FIL: Filtration Building sample

PG: Pipe Gallery

SED: Sedimentation Basin

SEDEX: exterior Sedimentation Building sample

SEDT: Sedimentation Building trough sample

Media Types:

CK: caulk

CO: concrete

EJ: expansion joint

MA: mastic

PC: paint chip

SE: sediment

W: wipe

Location:

--: analyte not tested for given sample

FL: floor sample

SUP: support beam (sample type, similar to floor or wall)

WA: wall sample

Abbreviations:

µg/wipe: microgram per wipe

mg/kg: milligram per kilogram

ND: non-detect result

PCB: plychlorinated biphenyl

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Table 2
TCLP Analyte Results

Sample Location	Filtration Basin Samples						Administration Building Samples		
Sample ID	**FIL-CO-WA-02-0-1**	**FIL-CO-WA-02-1-2**	**FIL-CO-WA-02-2-3**	**FIL-CO-WA-04-FD**	**PDI-FIL-CO-WA-02-FD**	**PDI-FIL-MED-FL-01**	**T0-SED-PC-RAIL-01**	**PDI-ADMIN-CO-FL-09-COMP**	**PDI-ADMIN-CO-WA-01-COMP**
Sample Date	**2/27/2019**	**2/27/2019**	**2/27/2019**	**2/27/2019**	**5/12/2021**	**5/11/2021**	**9/21/2021**	**5/17/2021**	**5/12/2021**
Sample Type	**Concrete**	**Concrete**	**Concrete**	**Concrete**	**Concrete**	**Filter Media**	**Paint Chip**	**Concrete**	**Concrete**
TCLP Mercury by CVAA (mg/L)									
Mercury	ND	ND	ND	ND	ND	ND	--	ND	0.0033
TCLP Metals Analysis by ICP-MS (mg/L)									
Arsenic	ND	0.0359	0.0423	0.0362	0.0084	ND	--	0.0095	0.004
Barium	0.573	0.097	0.654	0.725	0.49	0.16	--	0.47	0.4
Cadmium	0.0022	0.0022	0.0019	0.0019	ND	ND	--	ND	0.0016
Chromium	0.0886	0.0825	0.095	0.105	0.15	ND	--	0.12	0.036
Lead	ND	ND	ND	ND	ND	0.026	--	ND	ND
Selenium	0.111	0.129	0.104	0.119	ND	ND	--	ND	ND
Silver	ND	ND	0.0025	ND	ND	ND	--	ND	ND
TCLP Semivolatile Organics (µg/L)									
1,4-dichlorobenzene	--	--	--	ND	--	--	--	ND	ND
2,4,5-trichlorophenol	--	--	--	ND	--	--	--	ND	ND
2,4,6-trichlorophenol	--	--	--	ND	--	--	--	ND	ND
2,4-dinitrotoluene	--	--	--	ND	--	--	--	ND	ND
Hexachloro-1,3-butadiene	--	--	--	ND	--	--	--	ND	ND
Hexachlorobenzene	--	--	--	ND	--	--	--	ND	ND
Hexachloroethane	--	--	--	ND	--	--	--	ND	ND
m-cresol	--	--	--	ND	--	--	--	ND	ND
Nitrobenzene	--	--	--	ND	--	--	--	ND	ND
o-cresol	--	--	--	ND	--	--	--	ND	ND
p-cresol	--	--	--	ND	--	--	--	ND	ND
Pentachlorophenol	--	--	--	ND	--	--	--	ND	ND
Pyridine	--	--	--	ND	--	--	--	ND	ND
TCLP Volatile Organics (ug/L)									
1,1-dichloroethene	--	--	--	ND	--	--	--	ND	ND
1,2-dichloroethane	--	--	--	ND	--	--	--	ND	ND
2-butanone	--	--	--	ND	--	--	--	ND	ND
Benzene	--	--	--	ND	--	--	--	ND	ND
Carbon tetrachloride	--	--	--	ND	--	--	--	ND	ND
Chlorobenzene	--	--	--	ND	--	--	--	ND	ND
Chloroform	--	--	--	ND	--	--	--	ND	ND
Tetrachloroethene	--	--	--	ND	--	--	--	ND	ND
Trichloroethene	--	--	--	ND	--	--	--	ND	ND
Vinyl chloride	--	--	--	ND	--	--	--	ND	ND

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Table 2
TCLP Analyte Results

Sample Location	Administration Building Samples			Pipe Gallery Sample		Sedimentation Basin		
Sample ID	**PDI-ADMIN-CO-WA-04-COMP**	**PDI-ADMIN-CO-WA-05-COMP**	**PDI-ADMIN-CO-FL-04-COMP**	**T0-PG-PC-PIPE-01**	**PDI-PG-CO-FL-03-FD**	**SEDT-CO-FL-03-0-3**	**SEDT-CO-WA-08-0-1**	**PDI-SEDEX-CO-WA-01-FD**
Sample Date	**5/12/2021**	**5/12/2021**	**5/12/2021**	**9/21/2021**	**5/13/2021**	**2/28/2019**	**2/28/2019**	**5/11/2021**
Sample Type	**Concrete**	**Concrete**	**Concrete**	**Paint Chip**	**Concrete**	**Concrete**	**Concrete**	**Concrete**
TCLP Mercury by CVAA (mg/L)								
Mercury	0.0023	0.0061	ND	--	ND	0.000053	ND	ND
TCLP Metals Analysis by ICP-MS (mg/L)								
Arsenic	0.058	0.048	0.013	--	ND	0.0323	0.0386	0.014
Barium	0.32	0.49	0.54	--	0.59	0.312	0.577	0.48
Cadmium	ND	ND	ND	--	ND	0.015	0.0026	ND
Chromium	0.056	ND	0.12	--	0.071	0.006	0.0414	0.11
Lead	0.025	ND	ND	--	ND	ND	ND	ND
Selenium	ND	ND	ND	--	ND	0.0983	0.0787	ND
Silver	ND	ND	ND	--	ND	0.0024	ND	ND
TCLP Semivolatile Organics (µg/L)								
1,4-dichlorobenzene	ND	ND	ND	--	ND	--	--	ND
2,4,5-trichlorophenol	ND	ND	ND	--	ND	--	--	ND
2,4,6-trichlorophenol	ND	ND	ND	--	ND	--	--	ND
2,4-dinitrotoluene	ND	ND	ND	--	ND	--	--	ND
Hexachloro-1,3-butadiene	ND	ND	ND	--	ND	--	--	ND
Hexachlorobenzene	ND	ND	ND	--	ND	--	--	ND
Hexachloroethane	ND	ND	ND	--	ND	--	--	ND
m-cresol	ND	ND	ND	--	ND	--	--	ND
Nitrobenzene	ND	ND	ND	--	ND	--	--	ND
o-cresol	ND	ND	ND	--	ND	--	--	ND
p-cresol	ND	ND	ND	--	ND	--	--	ND
Pentachlorophenol	ND	ND	ND	--	ND	--	--	ND
Pyridine	ND	ND	ND	--	ND	--	--	ND
TCLP Volatile Organics (ug/L)								
1,1-dichloroethene	ND	ND	ND	--	ND	--	--	ND
1,2-dichloroethane	ND	ND	ND	--	ND	--	--	ND
2-butanone	ND	ND	ND	--	ND	--	--	ND
Benzene	ND	ND	ND	--	ND	--	--	ND
Carbon tetrachloride	ND	ND	ND	--	ND	--	--	ND
Chlorobenzene	ND	ND	ND	--	ND	--	--	ND
Chloroform	ND	ND	ND	--	ND	--	--	9.4
Tetrachloroethene	ND	ND	ND	--	ND	--	--	ND
Trichloroethene	ND	ND	ND	--	ND	--	--	ND
Vinyl chloride	ND	ND	ND	--	ND	--	--	ND

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Table 2
TCLP Analyte Results

Sample Location	Sedimentation Basin			
Sample ID	**PDI-SEDEX-CO-WA-02-FD**	**PDI-SED-CO-WA-05**	**PDI-SED-CO-FL-01**	**PS-SED-PC-RAIL-02**
Sample Date	**5/11/2021**	**5/11/2021**	**5/11/2021**	**5/11/2021**
Sample Type	**Concrete**	**Concrete**	**Concrete**	**Concrete**
TCLP Mercury by CVAA (mg/L)				
Mercury	ND	--	--	ND
TCLP Metals Analysis by ICP-MS (mg/L)				
Arsenic	0.056	--	--	ND
Barium	0.41	--	--	2.2
Cadmium	ND	--	--	ND
Chromium	0.24	--	--	0.037
Lead	ND	--	--	0.33
Selenium	ND	--	--	ND
Silver	ND	--	--	ND
TCLP Semivolatile Organics (µg/L)				
1,4-dichlorobenzene	ND	--	--	--
2,4,5-trichlorophenol	ND	--	--	--
2,4,6-trichlorophenol	ND	--	--	--
2,4-dinitrotoluene	ND	--	--	--
Hexachloro-1,3-butadiene	ND	--	--	--
Hexachlorobenzene	ND	--	--	--
Hexachloroethane	ND	--	--	--
m-cresol	ND	--	--	--
Nitrobenzene	ND	--	--	--
o-cresol	ND	--	--	--
p-cresol	ND	--	--	--
Pentachlorophenol	ND	--	--	--
Pyridine	ND	--	--	--
TCLP Volatile Organics (ug/L)				
1,1-dichloroethene	ND	--	--	--
1,2-dichloroethane	ND	--	--	--
2-butanone	ND	--	--	--
Benzene	ND	--	--	--
Carbon tetrachloride	ND	--	--	--
Chlorobenzene	ND	--	--	--
Chloroform	ND	--	--	--
Tetrachloroethene	ND	--	--	--
Trichloroethene	ND	--	--	--
Vinyl chloride	ND	--	--	--

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Table 2
TCLP Analyte Results

Notes:
1. Sample nomenclature includes the program code, building code, sample media type, sample location, and location number. PROGRAM-BUILDING-MEDIA-LOCATION-LOCATION NUMBER, i.e., PDI-SED-CO-WA-01 for a Pre-Design Investigation study sample collected from the Sedimentation Basin that is a concrete wall sample from location 01.
2. Concrete samples are surficial material (0–0.5-inch interval) unless otherwise noted. A "-FD" at the end of the sample ID represents a 0–3-inch full-depth sample.

Program Codes:
DE: 2022 Supplemental Design Sampling
No prefix: 2019 Initial Investigation
PDI: 2021 Pre-Design Investigation
PS: 2021–2022 Pilot Study

Building Codes:
ADMIN: former Administration Building
FIL: Filtration Building sample
PG: Pipe Gallery
SED: Sedimentation Basin
SEDEX: exterior Sedimentation Building sample
SEDT: Sedimentation Building trough sample

Media Types:
CK: caulk
CO: concrete
EJ: expansion joint
MA: mastic
PC: paint chip
SE: sediment
W: wipe

Location:
FL: floor sample
SUP: support beam (sample type, similar to floor or wall)
WA: wall sample

Abbreviations:
µg/L: microgram per liter
CVAA: cold vapor atomicabsorption
ICP-MS: inductively coupled plasma mass spectrometry
mg/L: milligram per liter
ND: non-detect result
TCLP: toxicity characteristic leaching procedure

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Table 3
Additional Analyte Results

Sample Location	Administration Building Samples	Pipe Gallery Sample	Sedimentation Basin Samples	
Sample ID	**T0-SED-PC-RAIL-01**	**T0-PG-PC-PIPE-01**	**PDI-SED-CO-WA-05**	**PDI-SED-CO-FL-01**
Sample Date	**9/21/2021**	**9/21/2021**	**5/11/2021**	**5/11/2021**
Sample Type	**Paint Chip**	**Paint Chip**	**Concrete**	**Concrete**
Total Metals (mg/kg)				
Arsenic	ND	ND	23	24
Barium	7700	900	170	110
Cadmium	ND	ND	0	0
Chromium	1900	130	32	23
Lead	15000	12000	12	12
Selenium	ND	ND	0	0
Silver	ND	ND	1.7	1.9
Total Mercury (mg/kg)				
Mercury	ND	1.4	0.054	0.032
Volatile Organic Compounds (ug/kg)				
1,1-dichloroethene	--	--	0	0
1,2-dichloroethane	--	--	0	0
1,4-dichlorobenzene	--	--	0	0
2-butanone	--	--	0	0
Benzene	--	--	0	0
Carbon tetrachloride	--	--	0	0
Chlorobenzene	--	--	0	0
Chloroform	--	--	0	0
Tetrachloroethene	--	--	0	0
Trichloroethene	--	--	0	0
Vinyl chloride	--	--	0	0
1,1,1-trichloroethane	--	--	0	0
1,1,2,2-tetrachloroethane	--	--	0	0
1,1,2-trichloroethane	--	--	0	0
1,1,2-trichlorotrifluoroethane	--	--	0	0
1,1-dichloroethane	--	--	0	0
1,2,3-trichlorobenzene	--	--	0	0
1,2,4-trichlorobenzene	--	--	0	0
1,2-dibromo-3-chloropropane	--	--	0	0
1,2-dibromoethane	--	--	0	0
1,2-dichlorobenzene	--	--	0	0
1,2-dichloropropane	--	--	0	0
1,3-dichlorobenzene	--	--	0	0
2-hexanone	--	--	0	0
4-methyl-2-pentanone	--	--	0	0
Acetone	--	--	0	0
Bromochloromethane	--	--	0	0
Bromodichloromethane	--	--	0	0
Bromoform	--	--	0	0
Bromomethane	--	--	0	0
Carbon disulfide	--	--	0	0
Chloroethane	--	--	0	0
Chloromethane	--	--	0	0
cis-1,2-dichloroethene	--	--	0	0
cis-1,3-dichloropropene	--	--	0	0
Cyclohexane	--	--	0	0
Dibromochloromethane	--	--	0	0
Dichlorodifluoromethane	--	--	0	0
Ethylbenzene	--	--	0	0
Isopropylbenzene	--	--	0	0
m,p-xylene	--	--	0	0
Methyl acetate	--	--	0	0
Methyl tert-butyl ether	--	--	0	0
Methylcyclohexane	--	--	0	0
Methylene chloride	--	--	0	0
o-xylene	--	--	0	0
Styrene	--	--	0	0
Toluene	--	--	0	33
trans-1,2-dichloroethene	--	--	0	0
trans-1,3-dichloropropene	--	--	0	0
Trichlorofluoromethane	--	--	0	0
Xylenes, total	--	--	0	0

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Table 3
Additional Analyte Results

Sample Location	Administration Building Samples	Pipe Gallery Sample	Sedimentation Basin Samples	
Sample ID	T0-SED-PC-RAIL-01	T0-PG-PC-PIPE-01	PDI-SED-CO-WA-05	PDI-SED-CO-FL-01
Sample Date	9/21/2021	9/21/2021	5/11/2021	5/11/2021
Sample Type	Paint Chip	Paint Chip	Concrete	Concrete
Semivolatile Organic Compounds (ug/kg)				
2,4,5-trichlorophenol	--	--	0	0
2,4,6-trichlorophenol	--	--	0	0
2,4-dinitrotoluene	--	--	0	0
Hexachlorobenzene	--	--	0	0
Hexachloroethane	--	--	0	0
Nitrobenzene	--	--	0	0
Pentachlorophenol	--	--	0	0
1,1`-biphenyl	--	--	0	0
1,2,4,5-tetrachlorobenzene	--	--	0	0
1,4-dioxane	--	--	0	0
2,2`-oxybis(1-chloropropane)	--	--	0	0
2,3,4,6-tetrachlorophenol	--	--	0	0
2,4-dichlorophenol	--	--	0	0
2,4-dimethylphenol	--	--	0	0
2,4-dinitrophenol	--	--	0	0
2,6-dinitrotoluene	--	--	0	0
2-chloronaphthalene	--	--	0	0
2-chlorophenol	--	--	0	0
2-methylnaphthalene	--	--	0	0
2-methylphenol	--	--	0	0
2-nitroaniline	--	--	0	0
2-nitrophenol	--	--	0	0
3&4-methylphenol	--	--	0	0
3,3´-dichlorobenzidine	--	--	0	0
3-nitroaniline	--	--	0	0
4,6-dinitro-2-methylphenol	--	--	0	0
4-bromophenyl phenyl ether	--	--	0	0
4-chloro-3-methylphenol	--	--	0	0
4-chloroaniline	--	--	0	0
4-chlorophenyl phenyl ether	--	--	0	0
4-nitroaniline	--	--	0	0
4-nitrophenol	--	--	0	0
Acenaphthene	--	--	0	0
Acenaphthylene	--	--	0	0
Acetophenone	--	--	0	0
Anthracene	--	--	0	0
Atrazine	--	--	0	0
Benzaldehyde	--	--	0	0
Benzo(a)anthracene	--	--	0	0
Benzo(a)pyrene	--	--	0	0
Benzo(b)fluoranthene	--	--	0	0
Benzo(g,h,i)perylene	--	--	0	0
Benzo(k)fluoranthene	--	--	0	0
Bis(2-chloroethoxy)methane	--	--	0	0
Bis(2-chloroethyl)ether	--	--	0	0
Bis(2-chloroisopropyl)ether	--	--	0	0
Bis(2-ethylhexyl)phthalate	--	--	0	0
Butyl benzyl phthalate	--	--	0	0
Caprolactam	--	--	0	0
Carbazole	--	--	0	0
Chrysene	--	--	0	0
Dibenzo(a,h)anthracene	--	--	0	0
Dibenzofuran	--	--	0	0
Dimethyl phthalate	--	--	0	0
Di-n-butyl phthalate	--	--	0	0
Di-n-octyl phthalate	--	--	0	0
Fluoranthene	--	--	0	0
Fluorene	--	--	0	0
Hexachlorobutadiene	--	--	0	0
Hexachlorocyclopentadiene	--	--	0	0
Indeno(1,2,3-cd)pyrene	--	--	0	0
Isophorone	--	--	0	0
Naphthalene	--	--	0	0
N-nitrosodi-n-propylamine	--	--	0	0
N-nitrosodiphenylamine	--	--	0	0
Phenanthrene	--	--	0	0
Phenol	--	--	1400	1000
Pyrene	--	--	0	0

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Table 3
PCB Results

Notes:

1. Sample nomenclature includes the program code, building code, sample media type, sample location, and location number. PROGRAM-BUILDING-MEDIA-LOCATION-LOCATION NUMBER, i.e., PDI-SED-CO-WA-01 for a Pre-Design Investigation study sample collected from the Sedimentation Basin that is a concrete wall sample from location 01.
2. Concrete samples are surficial material (0–0.5-inch interval) unless otherwise noted. A "-FD" at the end of the sample ID represents a 0–3-inch full-depth sample.

Program Codes:

No prefix: 2019 Initial Investigation

DE: 2022 Supplemental Design Sampling

PDI: 2021 Pre-Design Investigation

PS: 2021–2022 Pilot Study

Building Codes:

ADMIN: former Administration Building

FIL: Filtration Building sample

PG: Pipe Gallery

SED: Sedimentation Basin

SEDEX: exterior Sedimentation Building sample

SEDT: Sedimentation Building trough sample

Media Types:

CK: caulk

CO: concrete

EJ: expansion joint

MA: mastic

PC: paint chip

SE: sediment

W: wipe

Location:

FL: floor sample

SUP: support beam (sample type, similar to floor or wall)

WA: wall sample

Abbreviations:

µg/wipe: microgram per wipe

mg/kg: milligram per kilogram

ND: non-detect result

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Figures

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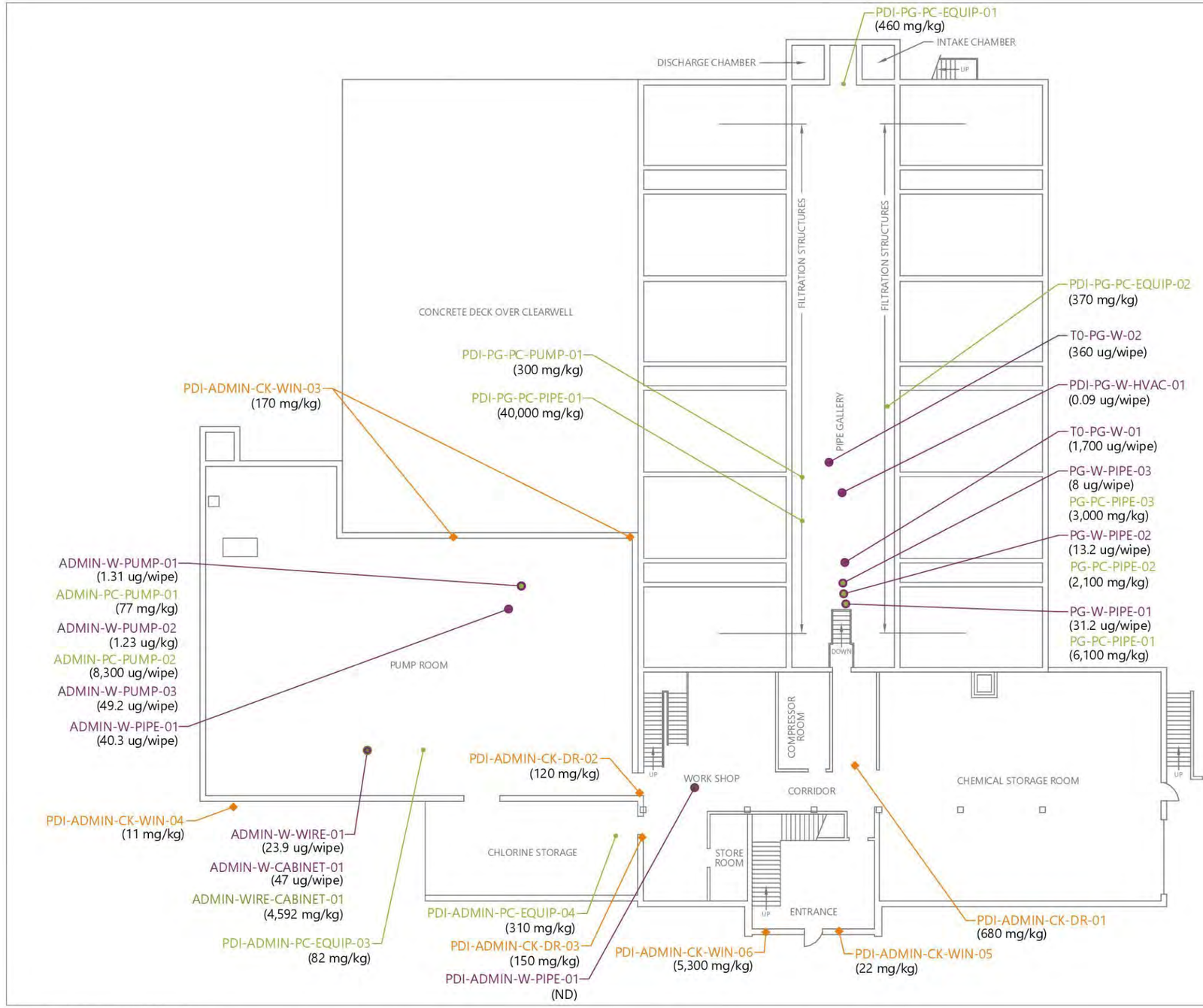
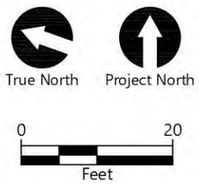


LEGEND:

- Wipe Sample
- Caulk/Expansion Joint Sample
- Bulk Debris Sample
- Paint Chip Sample
- (XX) Analyte Result
  mg/kg: milligrams per kilogram
  μg/wipe: micrograms PCBs (polychlorinated biphenyls) per wipe
  ND: non-detect result



SOURCE: Structural features obtained by digitizing as-built drawing E-7 from Stevens, Thompson, Runyan & Ries, Inc. titled "Water System Improvements," dated August 20, 1971.
HORIZONTAL DATUM: Washington State Plane North NAD83, U.S. Survey Feet
NOTES:

1. Structural features are approximate and may no longer be present.
2. All sample locations are approximate.
3. Additional subsurface and/or utilities may be present at the site but are not shown on existing mapping.

Publish Date: 2023/01/23 2:54 PM | User: hmerrick
Filepath: K:\Projects\0528-City of Anacortes\Former Anacortes Water Treatment Plant\Pre-Design Characterization Results\0528-RP-001 (Bid Sampling Plan - Mastic-Paint-Wipe-Caulk).dwg Figure 1a

ANCHOR QEA

Figure 1a
Building Material Samples – Former Administration Building First Floor

Summary of Pre-Design Characterization Results
Anacortes Former Water Treatment Plant

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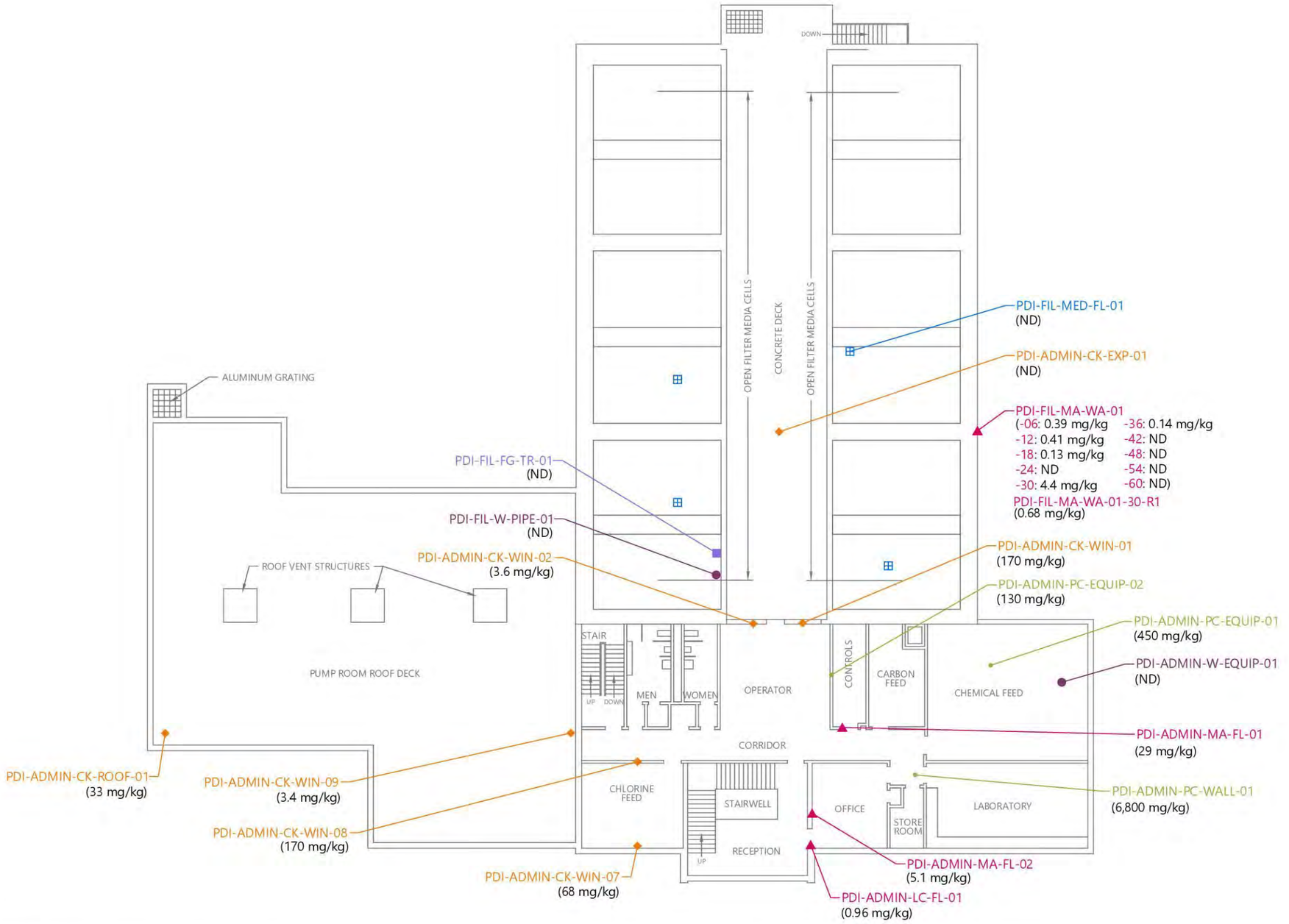

LEGEND:

- Wipe Sample
- Caulk/Expansion Joint Sample
- Paint Chip Sample
- Mastic Sample
- Filter Media Sample (4-point composite)
- Fiberglass Trough Sample
- (XX) Analyte Result
  mg/kg: milligrams per kilogram
  µg/wipe: micrograms PCBs (polychlorinated biphenyls) per wipe
  ND: non-detect result

True North Project North

0 20
Feet

SOURCE: Structural features obtained by digitizing as-built drawing E-7 from Stevens, Thompson, Runyan & Ries, Inc. titled "Water System Improvements," dated August 20, 1971.
HORIZONTAL DATUM: Washington State Plane North NAD83, U.S. Survey Feet
NOTES:
1. Structural features are approximate and may no longer be present.
2. All sample locations are approximate.
3. Additional subsurface and/or utilities may be present at the site but are not shown on existing mapping.

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Figure 1b
Building Material Samples – Former Administration Building Second Floor

Summary of Pre-Design Characterization Results
Anacortes Former Water Treatment Plant

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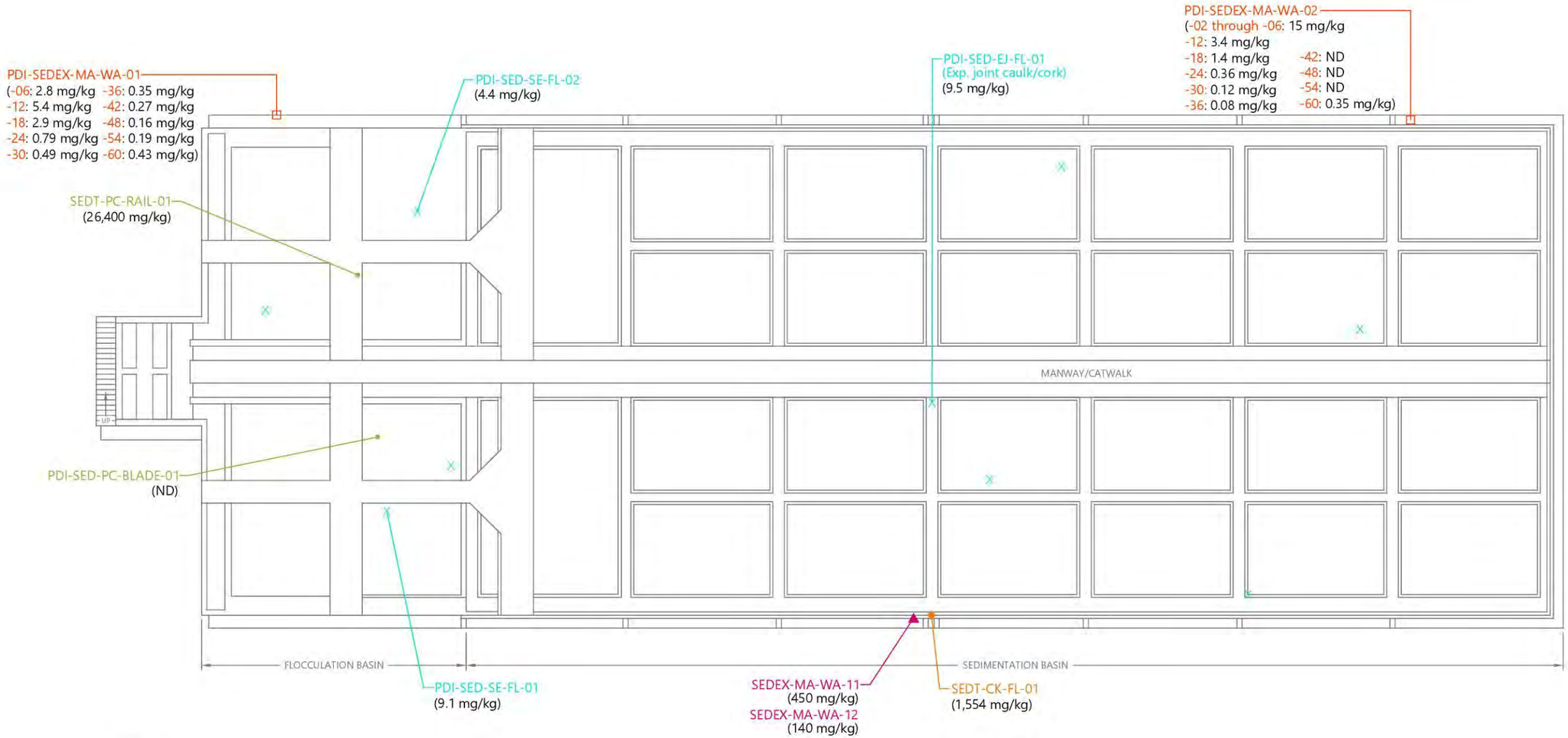

LEGEND:

- Wipe Sample
- Caulk/Expansion Joint Sample
- Paint Chip Sample (composite from paddle blades)
- Mastic Sample
- Trough Support Beam Sample
- Sediment Sample (4-point composite)

(XX) Analyte Result
mg/kg: milligrams per kilogram
μg/wipe: micrograms PCBs (polychlorinated biphenyls) per wipe
ND: non-detect result

True North Project North

0 20
Feet

SOURCE: Structural features obtained by digitizing as-built drawing E-7 from Stevens, Thompson, Runyan & Ries, Inc. titled "Water System Improvements," dated August 20, 1971.
HORIZONTAL DATUM: Washington State Plane North NAD83, U.S. Survey Feet
NOTES:
1. Structural features are approximate and may no longer be present.
2. All sample locations are approximate.
3. Additional subsurface and/or utilities may be present at the site but are not shown on existing mapping.

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Filepath: K:\Projects\0528-City of Anacortes\Former Anacortes Water Treatment Plant\Pre-Design Characterization Results\0528-RP-001 (Bid Sampling Plan - Mastic-Paint-Wipe-Caulk).dwg Figure 1c

ANCHOR QEA

Figure 1c
Building Material Samples – Former Flocculation and Sedimentation Basins

Summary of Pre-Design Characterization Results
Anacortes Former Water Treatment Plant

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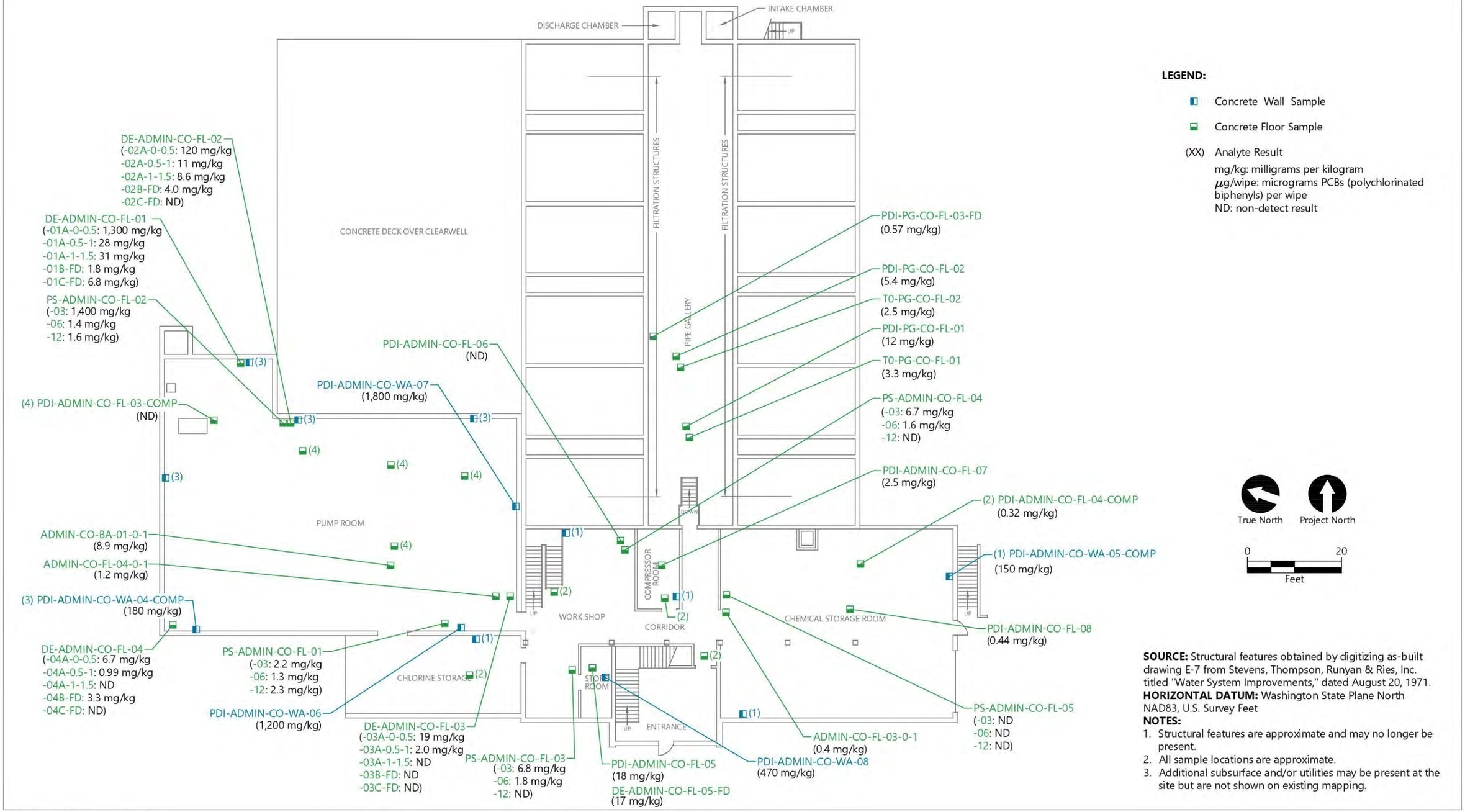

LEGEND:

- Concrete Wall Sample
- Concrete Floor Sample
- (XX) Analyte Result
  mg/kg: milligrams per kilogram
  µg/wipe: micrograms PCBs (polychlorinated biphenyls) per wipe
  ND: non-detect result

SOURCE: Structural features obtained by digitizing as-built drawing E-7 from Stevens, Thompson, Runyan & Ries, Inc. titled "Water System Improvements," dated August 20, 1971.
HORIZONTAL DATUM: Washington State Plane North NAD83, U.S. Survey Feet
NOTES:
1. Structural features are approximate and may no longer be present.
2. All sample locations are approximate.
3. Additional subsurface and/or utilities may be present at the site but are not shown on existing mapping.

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Figure 2a
Concrete Samples – Former Administration Building First Floor

Summary of Pre-Design Characterization Results
Anacortes Former Water Treatment Plant

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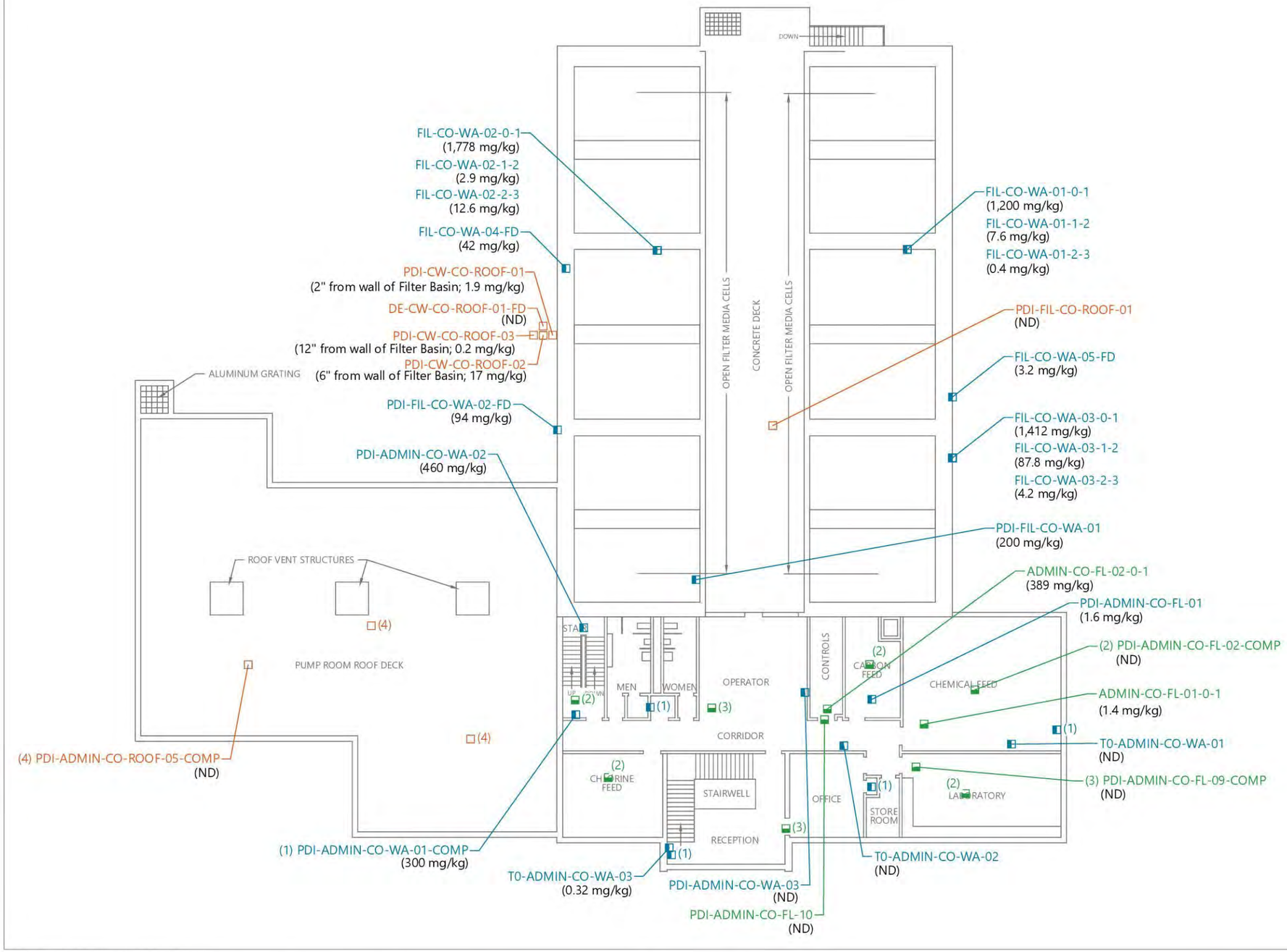

LEGEND:

- Concrete Wall Sample
- Concrete Floor Sample
- Concrete Roof Sample
- (XX) Analyte Result
  mg/kg: milligrams per kilogram
  µg/wipe: micrograms PCBs (polychlorinated biphenyls) per wipe
  ND: non-detect result

True North Project North

0 20
Feet

SOURCE: Structural features obtained by digitizing as-built drawing E-7 from Stevens, Thompson, Runyan & Ries, Inc. titled "Water System Improvements," dated August 20, 1971.
HORIZONTAL DATUM: Washington State Plane North NAD83, U.S. Survey Feet
NOTES:

1. Structural features are approximate and may no longer be present.
2. All sample locations are approximate.
3. Additional subsurface and/or utilities may be present at the site, but are not shown on existing mapping.
4. Roof samples collected from the former Administration Building are not depicted here. Samples include the following:
   PDI-ADMIN-CO-ROOF-01 (870 mg/kg)
   PDI-ADMIN-CO-ROOF-02 (0.48 mg/kg)
   PDI-ADMIN-CO-ROOF-03 (ND)
   PDI-ADMIN-CO-ROOF-04-COMP (ND)

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Filepath: K:\Projects\0528-City of Anacortes\Former Anacortes Water Treatment Plant\Pre-Design Characterization Results\0528-RP-002 (Bid Sampling Plan - Concrete).dwg Figure 2b

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Figure 2b
Concrete Samples – Former Administration Building Second Floor

Summary of Pre-Design Characterization Results
Anacortes Former Water Treatment Plant

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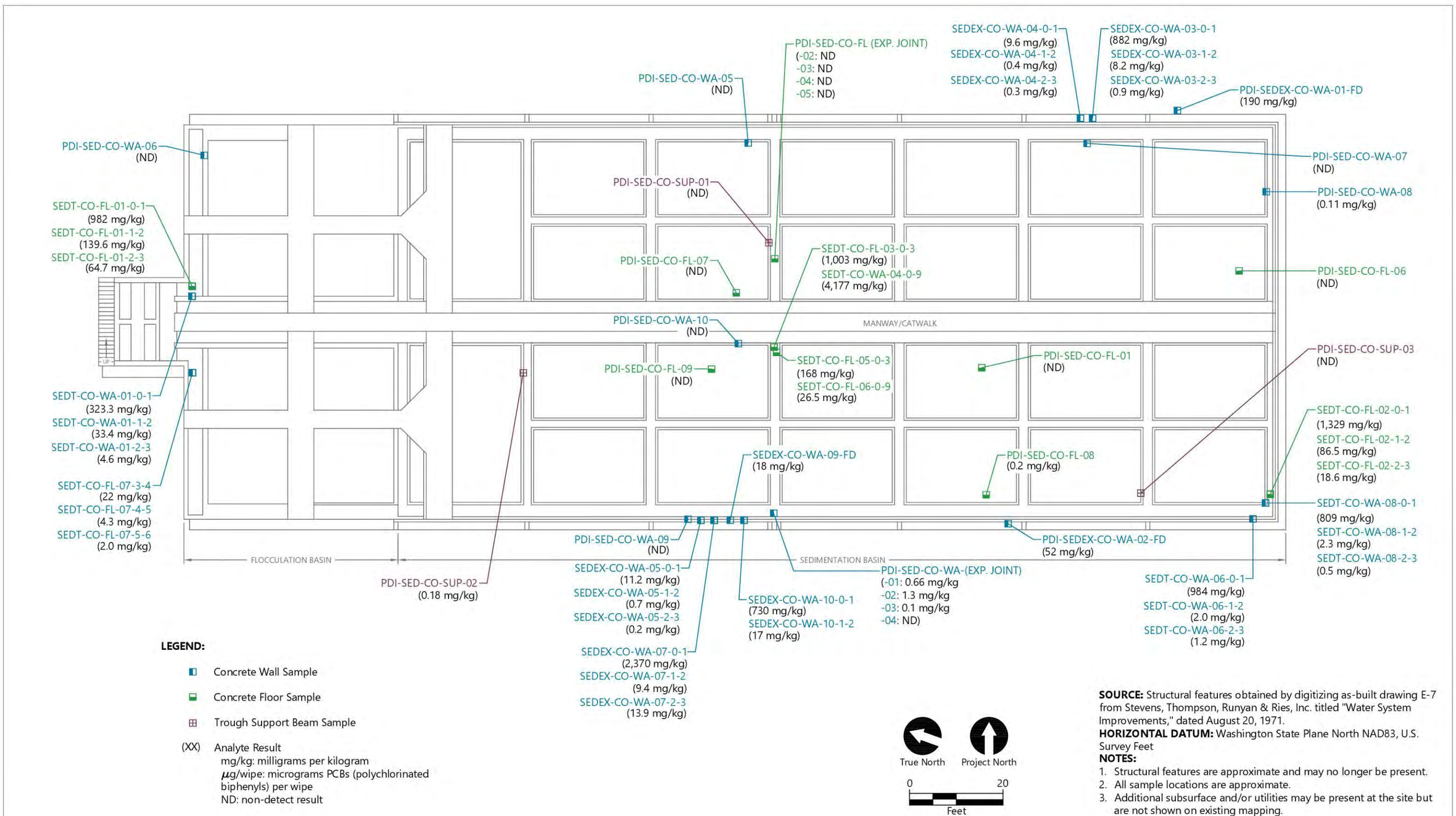

SOURCE: Structural features obtained by digitizing as-built drawing E-7 from Stevens, Thompson, Runyan & Ries, Inc. titled "Water System Improvements," dated August 20, 1971.
HORIZONTAL DATUM: Washington State Plane North NAD83, U.S. Survey Feet
NOTES:
1. Structural features are approximate and may no longer be present.
2. All sample locations are approximate.
3. Additional subsurface and/or utilities may be present at the site but are not shown on existing mapping.

Publish Date: 2023/01/23 2:54 PM | User: hmerrick
Filepath: K:\Projects\0528-City of Anacortes\Former Anacortes Water Treatment Plant\Pre-Design Characterization Results\0528-RP-002 (Bid Sampling Plan - Concrete).dwg Figure 2c

ANCHOR QEA

Figure 2c
Concrete Samples – Former Flocculation and Sedimentation Basins

Summary of Pre-Design Characterization Results
Anacortes Former Water Treatment Plant

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APPENDIX B

Dust/Silica Control Plan

1.0 DUST CONTROL PLAN

This section details potential dust control measures that the Contractor will implement to minimize dust emissions during demolition and grading activities. Dust emissions may result from activities during demolition and grading and from wind erosion. These sources are most effectively controlled using wet suppression. A high wind threshold will also be established to minimize wind erosion during extreme meteorological conditions. Stockpiles will be covered unless being loaded, and water will be sprayed on areas that have already been excavated and are subject to wind erosion. Dust and debris protections will be installed at the currently operating water treatment facility. All grates and vents will be covered with nonwoven geotextile as outlined on sheet 8 of the plan set.

2.0 DUST MITIGATION

The main mechanism for the control of fugitive dust emissions from construction activities and wind erosion are by watering, which leads to the formation of a surface crust to reduce the available reservoir of dust. The effectiveness of wet suppression is dependent on the type of activities occurring, the frequency of watering, and the meteorological conditions. The watering schedule will be determined by an evaluation of the air monitoring and meteorological data, site conditions, and site activities.

If visible fugitive dust emissions are observed or respirable crystalline silica concentrations exceed applicable PELs beyond the perimeter of work area, the Water Treatment Facility is authorized to stop work. Necessary corrective actions will be taken before resuming work.

Dust control measures may include, but may not be limited to:

- Water all active construction areas at least twice daily and more often during windy periods.
- Active areas adjacent to other buildings or residences should be kept damp at all times.
- Cover all hauling trucks or maintain at least 2 feet of freeboard. Apply water as needed around the site to control dust during vehicle movement.
- Sweeping daily (with water sweepers or push brooms) may be needed on all paved access roads, parking areas, and staging areas.
- Sweeping adjacent streets (with water sweepers or push brooms) may be needed if visible soil material is deposited onto the road surface.
- Limit traffic speeds on any unpaved roads to 10 mph.
- Install sandbags or other erosion control measures to prevent silt runoff to public roadways as needed.
- Suspend demolition, excavation, and grading activity when winds (instantaneous gusts) exceed 25 mph. Wind speeds will be measured onsite with a handheld anemometer.
- The Site Supervisor will respond to and remedy any complaints about dust, exhaust, or other air quality concerns. A log shall be kept of all complaints and how and when the problem was remedied.

3.0 STOCKPILE AND VEHICLE MANAGEMENT

As necessary, based on meteorological and Site conditions, crushed concrete, soil and/or debris piles will be covered with 6mil plastic tarps or equivalent when not actively being placed into, or removed from the work area. All vehicles onsite will be limited to a maximum speed of 10 mph. prior to departure from the Site to the surface streets, all vehicles will be checked for material residue and cleaned if necessary. The public paved roadways surrounding the Site will be checked for any material possibly tracked out, despite mitigation efforts. The Contractor will take all reasonable measures to clean the roadways of this material within an hour of observation.

4.0 METEOROLOGICAL MONITORING

A handheld meteorological Anemometer will be used onsite to monitor wind speed and direction. If the wind speed rises to greater than 25 miles per hour (mph), operations will cease.

5.0 DUST MONITORING

Visible dust emissions will be suppressed with water as required to limit any air borne dust emissions.

6.0 RECORD KEEPING

The removal action contractor will be responsible for maintaining a field logbook, which will serve to document meteorological conditions, visible dust emissions and dust mitigation measures implemented.

7.0 FOREIGN OBJECT DEBRIS (FOD) AWARENESS, DETECTION, REMOVAL, AND PREVENTION

(The below section applies to airport projects but can also be standard practice for all projects near rivers and other bodies of water)

FOD awareness training will be given to all on-site. This will consist of providing a description of what is considered FOD, ways to detect, and how to prevent the spread of FOD into movement areas.

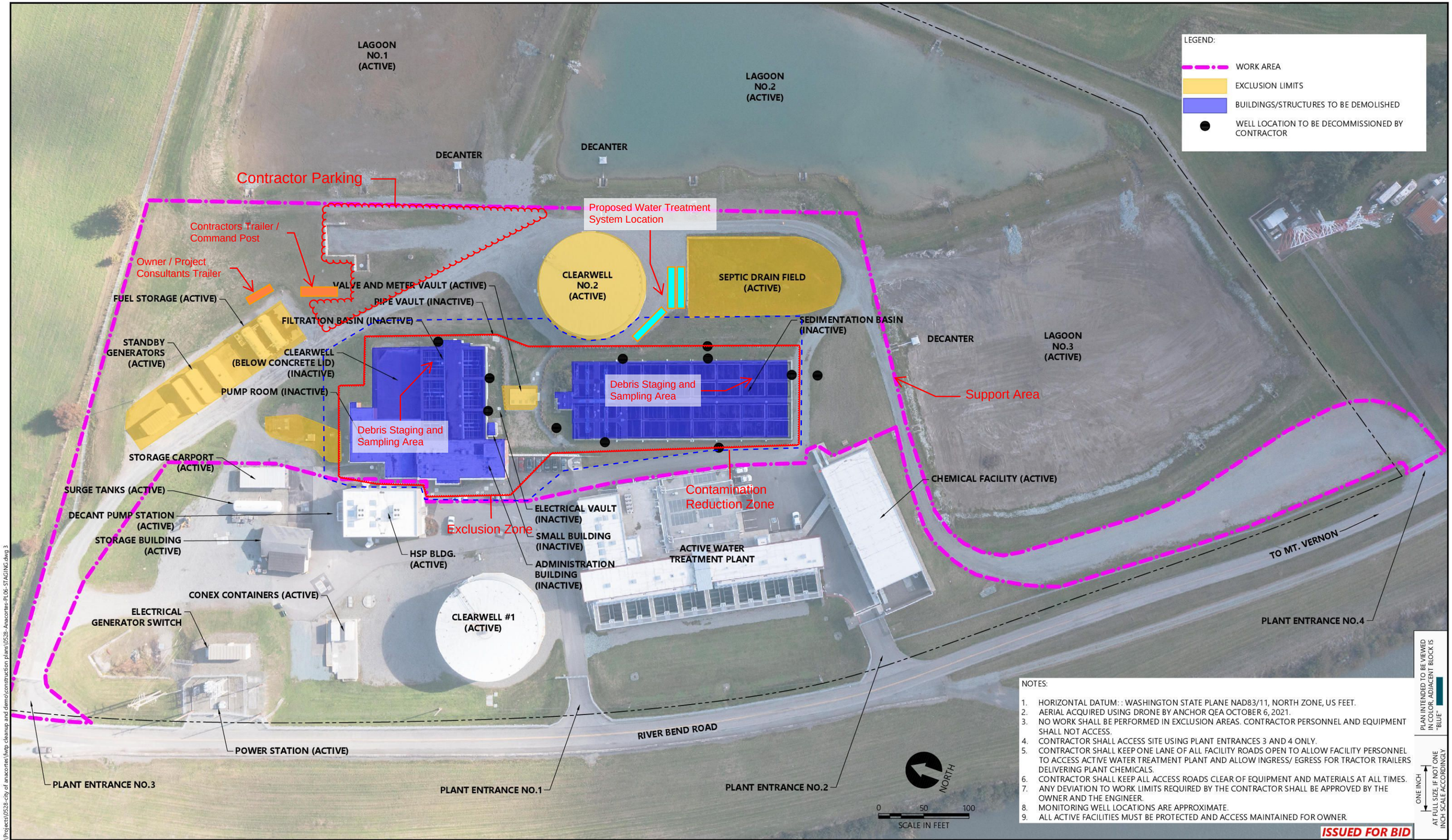
FOD Definition: Any object, live or not, located in an inappropriate location in the marine environment that has the capacity to injure airport or air carrier personnel and damage aircraft. Any object capable of being ingested into aircraft engines or penetrating aircraft tires. Examples are knives, forks, spoons, hand tools, bolts, nails, nuts, cable, polyurethane, vehicle parts, sand, gravel, paper, rocks, dirt, cans, glass, reflective glass beads, wood, et cetera.

Detection: Crew members will inspect work areas periodically or at least once in the morning prior to work commencement and once at the end of day.

Removal: If FOD is found, it will be removed immediately. Any FOD that leaves the worksite may potentially be a hazard.

Prevention: All loads will be covered and secure, trash bins will be secured, any loose items will be secured, all tires will be inspected prior to traversing areas where aircraft are located or onto public streets, work site debris will be cleaned as-we-go and will be contained within the temp fencing. A lidded Trash Can will be provided onsite for workers to dispose of personnel and lunch items. Lids must be secured after each use.

APPENDIX C
Staging Plan



NOTES:

1. HORIZONTAL DATUM: : WASHINGTON STATE PLANE NAD83/11, NORTH ZONE, US FEET.
2. AERIAL ACQUIRED USING DRONE BY ANCHOR QEA OCTOBER 6, 2021.
3. NO WORK SHALL BE PERFORMED IN EXCLUSION AREAS. CONTRACTOR PERSONNEL AND EQUIPMENT SHALL NOT ACCESS.
4. CONTRACTOR SHALL ACCESS SITE USING PLANT ENTRANCES 3 AND 4 ONLY.
5. CONTRACTOR SHALL KEEP ONE LANE OF ALL FACILITY ROADS OPEN TO ALLOW FACILITY PERSONNEL TO ACCESS ACTIVE WATER TREATMENT PLANT AND ALLOW INGRESS/ EGRESS FOR TRACTOR TRAILERS DELIVERING PLANT CHEMICALS.
6. CONTRACTOR SHALL KEEP ALL ACCESS ROADS CLEAR OF EQUIPMENT AND MATERIALS AT ALL TIMES.
7. ANY DEVIATION TO WORK LIMITS REQUIRED BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER AND THE ENGINEER.
8. MONITORING WELL LOCATIONS ARE APPROXIMATE.
9. ALL ACTIVE FACILITIES MUST BE PROTECTED AND ACCESS MAINTAINED FOR OWNER.

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

ONE INCH AT FULL SIZE. IF NOT ONE INCH SCALE ACCORDINGLY

ISSUED FOR BID

k:\Projects\0528-city of anacortes\fwtp cleanup and demo\construction plans\0528-Anacortes-PL06-STAGING.dwg 3

Jan 31, 2023 6:09pm rpetrie

ANCHOR QEA

CITY OF ANACORTES 1891

REBECCA L. DESROSIERS STATE OF WASHINGTON 41618 REGISTERED PROFESSIONAL ENGINEER

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY: S. HATHAWAY
DRAWN BY: R. PETRIE
CHECKED BY: R. DESROSIERS
APPROVED BY: R. DESROSIERS
SCALE: AS NOTED
DATE: JANUARY 2023

FORMER WATER TREATMENT PLANT DEMOLITION PROJECT PROJECT #22-204-WTR-001

WORK LIMITS AND DEMOLITION PLAN

3

SHEET # 3 OF 19

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APPENDIX D

Engineering Surveys

(Will be filled out before start of each building demo)

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

ENGINEERING SURVEY

JOB NUMBER: _____ JOB LOCATION: _____

JOB CONTACT: _____ PHONE NUMBER: _____

NAME OF STRUCTURE: _____ DATE BUILT: _____

STRUCTURE DESCRIPTION: _____

STRUCTURE DIMENSIONS LENGTH: _____ WIDTH: _____ HEIGHT:_____

MATERIALS FOUNDATION: _____ WALLS: _____

FLOORS: _____ ROOF: _____

METHOD OF DEMOLITION: _____

UNDERGROUND UTILITY CONFIRMATION NO:. _____

POTENTIAL HAZARDS (IE. COLLAPSE, STRUCTURAL FAILURE):
_____
_____
_____

SAFETY EXPOSURES	YES	NO	N/A	LOCATION/DESCRIPTION
OXYGEN LINES				
NATURAL GAS LINES				
ELECTRICAL LINES				
WATER LINES				
OTHER UTILITY LINES				
FIRE HAZARDS				
ADJACENT WALKWAYS				
ADJACENT ROADWAYS				
ADJACENT BUILDINGS				
COMBUSTIBLES				
WATER TOWERS				

SAFETY EXPOSURES	YES	NO	N/A	LOCATION/DESCRIPTION
SMOKE STACKS				
ELEVATORS				
PARTY WALLS				
BASEMENTS				
PITS OR TRENCHES				
BULKHEADS				
MANHOLES TO PRESERVE				
MSDS PROVIDED				
FALL HAZARDS				
LEAD EXPOSURES				
CHEMICALS EXPOSURE				
PROCESS HAZARDS				
LIVE UTILITIES				
UTILITIES TO SHUT DOWN				
LIGHTING				
TELEMETERING LINES				
FIBER OPTIC CABLES				
TRENCHING/EXCAVATING				
SHORING REQUIRED				
PRE-EXISTING STRUCTURAL DAMAGE				

OTHER SAFETY ISSUES: _____
_____
_____
_____
_____
_____

ENVIRONMENTAL ISSUES	YES	NO	N/A	LOCATION/DESCRIPTION
ASBESTOS				
USTS				
BACKFILL MATERIAL				
STORMWATER RUNOFF				
WASTE OIL				
SOLVENTS				
CONTAMINATED SOIL				
UNIDENTIFIED DRUMS				
SPECIAL WASTE				
HAZARDOUS WASTE				
LEAD DISPOSAL				
PCB TRANSFORMERS				
PCB BALLASTS				
GALBESTOS				
CONTAMINATED WATER				
HEAVY GREASES				
CONTAMINATED BRICKS				
PROCESS WASTES				
REFRIGERANTS				

OTHER ENVIRONMENTAL ISSUES:_____
_____
_____
_____
_____
_____

COMPLETED BY _____ DATE _____

APPENDIX E

Landfills and Recycling Facilities
Waste Management Plan

1. This project shall generate the least amount of waste possible by planning and reusing materials wherever possible.

2. 3 Kings Environmental may use a mix of commingled and source separated drop boxes at the job site as phases dictate. Commingled drop boxes can be filled with any construction debris material except hazardous (PCB BPW) or putrescible waste. Source separated materials will be taken to any one of multiple locations for processing depending on material type and site proximity. Materials not recycled will be collected and taken to Columbia Ridge landfill.

3. Waste prevention and recycling activities will be discussed at the beginning of each safety meeting.

4. The following chart identifies the waste materials that will be generated on this project, the recycling/disposal method for each material and any specific handling procedures.

MATERIAL	QTY	DISPOSAL METHOD	DESTINATION
Clean Concrete	520 Tons	Recycled	On Site
Rebar/Structural Steel/Other Metals (misc.)	40 Tons	Recycled	Pacific Coast Shredding (Metro Metals)
Commingled Debris/CDL	50 Tons	Landfill	Columbia Ridge Landfill
Asbestos	5 Tons	Landfill	Columbia Ridge Landfill
Asbestos/PCB BPW (Cement Asbestos Boards)	.3 Tons	Landfill	Columbia Ridge Landfill
PCB Bulk Product Waste and PCB Remediation Waste	4,500 Tons	Landfill	Columbia Ridge Landfill

APPENDIX F

Asbestos Abatement Plan

3 Kings Environmental, Inc

Former Water Treatment Facility Demolition

Original - Abatement Work Plan
Written by AHERA Project Designer – Jason Hawks – Cert # 187379
Expires January 11th, 2024

ASBESTOS ABATEMENT WORK PLAN FOR:

Project: **Former Water Treatment Facility**
Demolition
14489 River Bend Road
Mount Vernon, WA 98273

Contractor: **3 Kings Environmental, Inc.**
PO Box 280
Battle Ground, WA 98604

This work plan describes the procedures necessary to complete the tasks of Mobilization, Containment, Work site Preparation, Asbestos Abatement, Disposal procedures, Encapsulation, Clean-Up and Demobilization.

The scope of work specified herein shall be performed by Washington State Certified asbestos workers trained, knowledgeable, and qualified in the handling techniques of asbestos/lead waste.

All disposal of asbestos contaminated materials shall be to an EPA approved landfill. The landfill used shall be approved for the interment of waste generated.

THE WORK PLAN OBJECTIVES ARE AS FOLLOWS:

SITE INSPECTION: Prior to abatement, inspect the project for damage and discrepancies and give owner a written list, including photographs, noting all damaged items. Coordinate with Owner a storage area for equipment and supplies, verify parking requirements, disposal container area, work hours, emergency, and fire procedures, etc.

UTILITY DISCONNECTION: 3 Kings shall disconnect all utilities that supply or pass through the work area. 3 Kings will provide sufficient temporary power, and ensure safe installation of ground faulting devices, by complying with all applicable codes.

MOBILIZATION: Arrive at the job site with a necessary equipment, manpower, and materials half hour before start time. Conduct a safety meeting with the workforce and discuss the following objectives (see Safety and Hazardous Communication Plan).

SAFETY MEETING: Set up all Emergency procedures and one First Aid Station at appropriate location based on facility configuration. Conduct a safety meeting at site with crew for Health and Safety.

Key topics to be discussed at safety meeting:

A. Medical and Emergency Response Plan.
B. Fire and Emergency Exits and location of fire extinguishers.
C. Hard Hats and Safe work practices.

D. Long sleeve shirts, eye protection.
E. Work boots, gloves, back support belts.
F. Workman's comp. issues, postings.
G. Behavior-attitude around public areas.
H. Orderly disposal and dumpster coordination.
I. Identify C. P. R. Foreman to crew. (Person in charge that carries a CPR cert.)
J. Work schedule, Work goals, and Milestones.
K. Asbestos PPE requirements
L. Removal of asbestos from ladders and/or lifts
M. Electrical Safety (safe offs and temp power safety)

SECURE WORK SITE: Site security will be controlled by a 6ft cyclone security fence and asbestos signage around the buildings or structures being abated. The site superintendent will also monitor the site for visitors. All visitors will be asked to check in at the job shack prior to moving around the site. No doors will be locked to ensure proper egress in the case of an emergency. Work areas will be labeled with signage and demarcation tape to keep unauthorized personnel from entering regulated areas.

SUPERVISOR DUTIES: Set up regulated area and/or set up enclosure. Ensure the integrity of regulated area and/or enclosure. Set-up control entry and exit from the enclosure or containment. Supervise all employee monitoring as well as conduct all other air monitoring for this project. Ensure that employees wear the proper PPE. Ensure that the correct work practices of 3 Kings, Inc. as well as OSHA are adhered to. Ensure that engineering controls are functioning properly. Ensure that notification requirements are met. Make sure all employees follow all of 3 Kings, Inc. policies, manuals, programs, etc.

SITE SPECIFIC DETAILS:

SCOPE OF WORK:
The scope of work for this project consists of complete abatement of the demolition of inactive Water Treatment Plant buildings and structures, including the following:

Asbestos Containing Material	Estimated Quantity for Demolition
Cement Asbestos Board	**14 Panels Each (6'x3')**
Cove Base Mastic	**70 LF**
Electrical Insulator Blocks	**80 Each**
Electrical Wire Wrap Bundles	**2,000 LF**
Mastic (from former vinyl floor tiles)	**3,000 SF**
Roofing Caulk Around Drains	**20 SF**
Sink Undercoat	**1 Sink**
Vinyl Floor Covering	**300 SF**
Window Putty	**1 Window**

WORK AREA DESCRIPTION:
The work will be done adjacent to an operating water treatment plant. The water treatment plant must remain in continuous operation throughout construction. All

demolition and materials handling operations shall be performed in a manner that minimizes the potential for particulate/dust generation and be in full compliance with the air monitoring action levels detailed in the Specifications.

WORK PRACTICES:

Prior to any work which may potentially cause the emissions of airborne Asbestos the following will be completed:

1) WORK AREA PREPARATION*:*
All class I, II, & III asbestos work shall be conducted within regulated areas. The regulated area shall be demarcated to limit the number of persons within the area and to protect persons outside the area from exposure to airborne asbestos. Where critical barriers or negative pressure enclosures are used, the area will be demarcated. Access to regulated areas shall be limited to authorized personnel. The supervisor will control access to regulated areas, ensure that only authorized personnel enter, and verify that required medical surveillance, training and respiratory protection program requirements are met prior to allowing entrance.
We will erect all necessary critical barriers, and postings on doors, windows, corridors, entrances, pathways, drains, ducts, grills, diffusers, chases, access panels, vents, etc., using site preparation activities described in this section are to be conducted in protective clothing as described in this Work Plan.

2) DECON CHAMBER: A three-stage worker decontamination facility or area will be constructed at one entrance to the work area. Personnel decontamination facility will consist of a "clean room" opening to the ambient environment (area separating containment) and the shower room, a "shower room" opening to the clean and equipment rooms, and or "equipment room" opening to the shower room and work area.
The clean room will have adequate storage facilities for each worker's clean street clothes and possessions, the shower will have hot and cold water for showering and wastewater filtration as specified and the equipment room which will have receptacles for contaminated clothing and equipment. When exiting the containment, workers will de-suit in the equipment room, shower off all debris in shower room (including from respirator) and dress in the clean room.
Material Decontamination area or two stage waste out will consist of a clean room opening to the ambient environment and an equipment room opening to the containment. Material will be decontaminated in the equipment room and will be clean when entering the clean room. Each room will be isolated at both openings via three flap doors ("Z flaps") to prevent migration of contaminated air from the work site.

3) PROPER PERSONAL PROTECTIVE CLOTHING: All work to be performed which involves potential exposure to, or disturbance of Asbestos will be conducted in required Personal Protective Equipment required for the project will consist of the following:

½ face negative pressure air respirators
P.A.P.R. respirators
Disposable undergarments.
Disposable coveralls with integral booties and hood and elastic wrists and hood

opening.
Rubber gloves, Eye protection (safety glasses or goggles)
Hard Hats
Orange Reflective Vests
Boots (rubber or vinyl w/low skid soles)
Duct tape to seal arm/leg/openings
Other equipment where employee will be above ground level (full body harness, lanyards)

4) PROPER FIT: Personnel are to check PPE for proper fit, holes and tears, and perform respirator field fit tests prior to entering regulated areas (when possible, workers will assist each other during pre-entry PPE check). Respirator cartridges are to be changed daily, or whenever an increase in effort required to inhale is noted by the wearer.

PRE-ASBESTOS ABATEMENT:

Prior to abatement the Owner or Owners Representative and Abatement contractor shall walk, verify and mark all items scheduled for removal. Once the workplace has been established, document findings and begin preparation.

SET-UP: Demarcate the area as described above. Erect a 3 stage Decontamination area (worker decontamination facility) for workforce and two stage waste out for equipment and debris when applicable. Set up all negative air machines with G.F.I. using Red Baron and Omnitec design systems (having one back up machine). Set up regulated area first by covering all openings (i.e. windows, doors, etc.) with 6mil poly to ensure proper integrity of the enclosure. Wet wipe all windows and sills etc., to installation of said Criticals. Establish pressure differential air prior to commencement of any asbestos related work. The pressure differential system will exhaust out-of-doors. Following completion of containment, negative air machines will be turned on for at least 1 hour, to allow for air exchanges to begin before abatement activities may begin. Containment may be inspected by the Owner's Rep. and by our onsite supervisor prior to abatement. Pre abatement and clearance monitoring will be performed as described below and by the onsite supervisor. (For Exterior Work see Work Area Demarcation below)

WORK AREA DEMARCATION, for all class I, II & III asbestos operations:
Red and white asbestos danger tape will be strung around the individual work area. No boundary tape will be closer to the immediate work area than 20 feet where feasible. All potential access points to this area will be labeled accordingly. Signs and lines shall be at least equal to the height 20" x 14" spacing between two consecutive lines shall be at least equal to the height of the upper line.

The **Warning Signs** will read as follows:

DANGER	**1-INCH SANS SERIF GOTHIC OR BLOCK**
ASBESTOS	**1-INCH SANS SERIF GOTHIC OR BLOCK**
CANCER AND	**1/4 INCH SANS SERIF GOTHIC**

LUNG DISEASE HAZARD

AUTHORIZED PERSONNEL ONLY **1/4 GOTHIC 1/4 GOTHIC**
RESPIRATORS AND PROTECTIVE
CLOTHING ARE REQUIRED IN THIS AREA

PRIOR TO GROSS REMOVAL: Conduct a meeting to review work procedures, and all plans, inspection of safety emergency exits and placement of fire extinguishers. Perform visual inspection and notice to proceed.

The following work practices and engineering controls shall not be used for work related to asbestos or for work which disturbs ACM, regardless of measured levels of asbestos exposure or the results of initial exposure assessments:

a) High speed abrasive disc saws that are not equipped with point of cut ventilator or enclosures with HEPA filtered exhaust air.
b) Compressed air used to remove asbestos, or materials containing asbestos, unless the compressed air is used in conjunction with an enclosed ventilation system designed to capture the dust cloud created by the compressed air.
c) Dry sweeping or other dry cleanup of dust and debris containing ACM.
d) Employee rotation as a means of reducing employee exposure to asbestos.

ASBESTOS ABATEMENT:

CONTAINMENT TYPE: A regulated area will be constructed for the removal of all material containing asbestos (ACM). A restricted area will be established to prevent non-Asbestos workers from entering the work area during time of removal through final clearance, Continuous air monitoring procedures, in and out of the work area will assure full containment of asbestos removal areas. This Work Plan describes procedures necessary to complete the tasks of Mobilization, Pre-Cleaning, Demolition, Work Containment, ACM Removal, Encapsulation, Disposal and Clean-Up.

The work specified herein shall be performed by Dept of Labor and Industries persons trained, knowledgeable, and qualified in the techniques of demolition, abatement, handling and disposal of asbestos and or ACM, and the subsequent cleaning of contaminated material and areas.

Objectives for asbestos abatement are as follows:

- Criticals should cover all potential breeches within the containment area.
- Containments under negative air pressure using sufficient Omnitec Design Negative Air Machines/or Red Baron Negative Air Machines, all machines are equipped with HEPA filters. The negative air calculations are to be posted on site.
- Proper ACM removal, Demolition and encapsulation of abated surfaces.
- Decontamination areas include the following:
    - 3 stage (worker decon); Equipment room, Shower room, and Clean room

- 2 stage (material and equipment decon); Equipment room and Clean room

- Decontamination of wastewater will be filtered by a 2 stage Filtration Unit as specified in owner's specifications (for showers only).

- Saturated asbestos material shall be removed in small sections and packed while still wet into 6 mil plastic bags, decontaminated exterior of bag, double-bagged and transported to an approved container.

- Bag-Out contaminated material through a bag-out area (material decontamination area) using NIOSH (National Institute for Occupational Safety and Health) requirements. Disposal bags or Bladder bags will contain Danger labels, that includes EPA and Generator information.

- Transportation of non-hazardous waste will be done by 3 Kings Environmental, Inc. We will haul, or have a private carrier haul all ACM to the authorized landfill.

- This Work Plan addresses the technical, health and safety, and regulatory issues that must be addressed to accomplish these objectives.

ABATEMENT PROCEDURES (If applicable)

CAB (CEMENT ASBESTOS BOARD) or TRANSITE PANELS (Class II):
Regulate the area with cones and asbestos demarcation tape. Plastic sheeting will be placed at the base of the work to collect any debris. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE. Access to materials will be my manlift. Material will be kept continually wet to eliminate or reduce dust levels. Panels will be removed manually and continually wetting using an amended water. Nails shall be cut using a flat sharp instrument. Unwrapped or unbagged panels or shingles shall be immediately lowered to the ground and placed in an impervious waste bag, plastic barrel or wrapped in plastic sheeting and lowered to the ground no later than the end of the work shift. Vacuum cleaners equipped with HEPA will be used to clean up visible debris and residue. Intentionally cutting, abrading, or breaking siding, shingles or transite panels is prohibited.

COVE BASE & MASTIC (class II):
Regulate the area with critical barriers and plastic flaps with asbestos signage. All workers will wear half face respirators equipped with HEPA filtered canisters. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE**.** Material will be thoroughly wetted with an approved wetting agent. Cove base and cove base mastics will be manually removed by scraping the material from the wall surfaces. In some cases the paper backing on the drywall may be removed to assist in the asbestos removal. All the materials will be removed as whole as possible and placed in 6 mil poly bags and marked appropriately. Material will be disposed of as ACM (and as per the regulations) at the approved landfill listed below.

ELECTRICAL INSULATOR BLOCKS (Class II):
Regulate the area with critical barriers and plastic flaps with asbestos signage. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE. Confirm power has

been disconnected and de-energized prior to starting work. Material will be kept continually wet to eliminate or reduce dust levels. Insulator Blocks will be removed manually by unbolting or unscrewing. Blocks will be placed in an impervious waste bag, plastic barrel or wrapped in plastic sheeting. All containerized ACM will then be removed from the site and transported to Northern Wasco County, The Dalles, OR for disposal. All ACM may be stored temporarily onsite, in a lined container, or immediately loaded onto a truck lined with 6mil poly and transported to the landfill. Vacuum cleaners equipped with HEPA will be used to clean up visible debris and residue.

ELECTRICAL WIRING (class II):
Regulate each area as with critical barriers and plastic flaps with asbestos signage. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE. Confirm power has been disconnected and de-energized prior to starting work. Entire wire may be removed in whole. If not, then wiring will be removed using wet manual methods. Wire to be cut with sharp wire cutters and promptly placed in 6 mil ACM bags. All wiring shall be removed using proper means and methods within a regulated area. All ACM wire insulation will be double bagged and labeled with the appropriate Danger labels, and stored in a lined container, until transported to Wasco County Landfill, The Dalles OR.

VAT/MASTIC Chemical Means (Class II):
The interior asbestos work will be performed in a regulated area as described below. Critical barriers will be established at the limits of the work area. The critical barriers will be constructed with 6-mil polyethylene sheeting and duct tape and will cover all doorways and other openings to the work area.

There will be one entrance to the regulated area for use by the abatement workers and other authorized personnel. Any remaining entrances to the work area will have danger signs posted and demarcation tape restricting any unauthorized personnel from entrance.
The tile will be removed utilizing hand tools, a floor tile removal machine if needed and wet methods. As the floor tile is removed, it will be placed into 55 gallons drums or double six-mil polyethylene asbestos bags. As the containers are filled, they will be sealed and labeled, and placed into a disposal trailer. Once the floor tile has been removed from an area, the mastic removal phase of the work will begin.

Mastic removal with a chemical mastic removal agent (SafeGuard Low Odor) MSDS is Attached. The chemical will be spread over the targeted area, agitated as necessary and wiped up with squeegees and rags. As the materials are removed, they will be picked up by hand, and placed directly into a 55 gallon drum or asbestos bags. These containers will be sealed, labeled, and placed into a trailer for disposal.
Upon completion of the abatement activity, the area of removal will be HEPA vacuumed as necessary, wet wiped and inspected by the owner's rep and others if required. Upon acceptance of the visual inspection, the affected areas will be sprayed with a penetrating encapsulate and readied for PCM clearance sampling.

This work will be performed in North® half-face respirators with High Efficiency Particulate Air (HEPA) filters. Disposable suits and gloves will be worn during the removal operation. Prior to exiting the work area, the suits and gloves will be shed and disposed of as ACM waste utilizing the decontamination area.

A decontamination area will be established adjacent to the work area where employees will HEPA vacuum themselves off, wash their hands and face, and change into their clean clothes. This area will consist of a polyethylene drop sheet with a HEPA vacuum and wash station. This decontamination area will remain in place until all asbestos related work activities in the work area have been completed or until an exposure assessment has been completed and an alternate decontamination set-up is allowed accordingly.

ROOFING CAULK (Class II):
Regulate the area with cones and asbestos demarcation tape. Plastic sheeting will be placed at the base of the work area to collect any debris. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE**.** Access to the roof will be via the roof access hatch. Fall protection will be used for all roof work. Material will be kept continually wet to eliminate or reduce dust levels. The asbestos containing roofing caulk will be removed using hand tools and wet methods. Upon completion of the abatement activity, the area will be HEPA vacuumed as necessary, wet wiped and inspected prior to demolition. Asbestos debris will be removed from the roof by lowering the debris from the top of the roof to the ground level. All containerized ACM will then be removed from the site and transported to Wasco County, The Dalles, OR for disposal. All ACM may be stored temporarily onsite, in a lined container, or immediately loaded onto an enclosed box truck lined with 6mil poly and transported to the landfill.

SINK INSULATION (class II):
All workers will wear half face respirators equipped with HEPA filtered canisters. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE**.** The area will be regulated with cones and asbestos demarcation tape. Sink and undercoating will be thoroughly wetted with an approved wetting agent. The sink will be disconnected and removed intact. The sink will be placed into (2) six mil asbestos labeled bags for disposal. After visual inspection is complete, the surrounding area affected will be encapsulated with a penetrating encapsulant.

SHEET VINYL (class II):
Full-scale enclosures will be utilized. Critical barriers and a 2 stage decon (dirty and clean room, no shower) will be used for the sheet vinyl flooring removal. The 2 stage decons will also be utilized for the waste load-out upon completion of the abatement. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE**.** ACM will be sprayed with an amended water solution providing a fine mist to reduce airborne fiber concentrations. Material shall be saturated to substrate and manually scraped and/or removed, continually misting air with an airless sprayer. All material shall be kept wet and removed in manageable quantities. All material will not be dropped or thrown. Residue will be removed using a stiff nylon bristled hand brush. Disposal containers will be securely sealed to prevent accidental opening and leakage by taping bags in a goose neck fashion. Material will be labeled appropriately and placed in suitable containers prior to the end of each and every workday. After final detailing the area will be inspected by the supervisor and prior to Owner's representative. The area will then be encapsulated. A sufficient amount of time (usually one hour or whatever the specs dictate) will elapse before the clearance is ran.

WINDOW PUTTY (class II):

Regulate the area with cones and asbestos demarcation tape. Plastic sheeting will be placed at the base of the work area to collect any debris. Polypropylene suits, ½ face negative pressure respirators and gloves will be used for PPE**.** Window putty will be removed in place by removing the entire window. In each area, vicinity will be regulated. Workers will don appropriate PPE and remove windows using wet manual methods. Material will be kept continually wet to eliminate or reduce dust levels. Vacuum cleaners equipped with HEPA will be used to clean up visible debris and residue. Exposure and area monitoring will be performed during window removal Material will be packaged using 6 mil poly bags for disposal and marked appropriately. Material will be disposed of as ACM (and as per the regulations) at the approved landfill listed below. After final detail the area will be inspected by the supervisor and prior to Owner's representative. The area will then be encapsulated.

NEGATIVE EXPOSURE ASSESSMENT: (Not anticipated to be used)
If an exposure assessment is utilized, there will be one assessed for each different job task. The following criteria must be met:

1) Objective Data: Objective data demonstrating that the product or material containing asbestos or the activity involving such material cannot release airborne fibers in concentrations exceeding the PEL-TWA and PEL Excursion Limit under those work conditions having the greatest potential for releasing asbestos.

2) Prior asbestos jobs: 12 months of prior monitoring for the PEL and the PEL excursion limit. The data obtained during work operations, conducted under workplace conditions closely resembling the processes, type of material control methods, work practices and environmental conditions used and prevailing in our current operations. The data shows that under that under the conditions prevailing and which will prevail in the current workplace, there is a high degree of certainty that the monitoring covered exposure from employee exposures will not exceed the PEL-TWA and PEL excursion limit.

3) Initial exposure monitoring: The results of initial exposure monitoring of the current job, made from breathing zone air samples that are representative of the 8-hour TWA and 30-minute short term exposures limit (STEL) of each employee. The monitoring covered exposure from operations which are most likely during the performance of the entire asbestos job to result in exposures over the PEL's.

BAG-OUT: Bag out will occur during end of shift. Placing all ACM & Debris in (2) 6 mil poly Asbestos labeled bags, mark appropriately or insert or attach Bag-Out labels to each bag or wrap. (Labeling with EPA and GENERATOR identification).

Method: Bag all ACM and load-out by HEPA vac and wet wipe all visible debris in containment, placing it into a second "clean" bag in the equipment room, not allowing the water to evaporate before disposal. Sealing both bags and marking appropriately. Debris is contained and ready to enter the clean room. After ACM, Debris HEPA Vacuum all loose debris from membranes, wet wipe tools, tear-down criticals and dispose of rags, criticals, brushes, filters, suites, etc., as contaminated with bag-out methods.

Disposable ACM Storage Containers will be labeled as follows:

DANGER

DO NOT DISTURB

THIS DISPOSAL CONTAINER

CONTAINS ASBESTOS FIBERS THAT

ARE KNOWN TO CAUSE

CANCER AND LUNG DISEASE HAZARD

BREATHING ASBESTOS DUST MAY

CAUSE SERIOUS BODILY HARM

CLEANING AND FINAL CLEANING:
Surfaces from which ACM has been removed shall be wet wiped, sponge cleaned or brushed by some equivalent method to remove all visible residue. The supervisor will visually inspect the work area. Re-clean as necessary.

ENCAPSULATION OF SUBSTRATES: After all asbestos has been removed, and after all final inspections, mist entire work area and substrates with a penetrating encapsulant (using an airless sprayer) to lock down any airborne asbestos fibers; use white encapsulant or equivalent. Allow a minimum of (1) hour (or the manufacturer specification recommendations dictate) for the encapsulant to settle.

ASBESTOS FINAL AIR CLEARANCE: All clearance air testing to be performed by 3 Kings Environmental, Inc., 3 kings, will share air monitoring results with owner and owner's representative daily.

CONTAINER FOR TEMPORARY STORAGE & TRANSPORTATION:
Containers will be kept locked, barricaded, and properly labeled to keep the public away and safe. At the end of every shift, all disposal pathways and criticals will be removed and visually inspected for safety. Containers will be lined with (1) layer of 6 mil polyethylene on the walls and floor prior to accumulation of waste. The container will be carefully loaded with labeled ACM debris & waste & transported to an approved landfill.

DISPOSAL SITE: All Asbestos containing materials shall be disposed of at an approved landfill. All friable and non-friable ACM (i.e., fire proofing, demo debris, etc.,) shall be disposed of as ACM waste and transported to the below approved landfill, by a private carrier or 3 Kings Environmental, Inc.

DE-MOBILIZE: Once the area has passed all final air clearances, tear down and dispose of the enclosure and critical barriers as contaminated waste.

WASTE MANIFEST DISPOSAL PROCEDURES: A representative of the waste generator (building owner or agent) shall be present to review and sign the waste manifest at the time the waste is removed from the work site for transport to the landfill. All dump receipts, trip tickets, transportation manifests or other disposal documentation shall be part of the final submittal.

WORK SCHEDULE AND TIMETABLE: Approximate start date and completion dates, to be determined by the Owner. Incremental activities, e.g., site mobilization, site preparation, abatement, including final clean-up, final clearance testing, enclosure tear down and demobilization are to be included within this timetable.

ASBESTOS ABATEMENT AIR MONITORING: 3 Kings will share air monitoring results with owner and owner's representative daily.

1) Pre-abatement air monitoring: One day prior to establishing the restricted work area, if possible, the appropriate number of samples based on the size of the work area will be taken at the boundary of the restricted area (one per each homogenous area). This will establish the reference against which subsequent air testing results will be compared and clearance levels are determined.

2) At least one (1) crew member in 4 will be monitored every eight hours of every work shift. We will select three employees whose work activity offers the highest potential for asbestos exposure. Sampling will begin when asbestos removal commences. Samples will be taken during each 8-hour work shift until abatement is complete. We will determine which worker in each work area is probably experiencing the most severe exposure (the most contaminated worker). 8-hour time weighted average (TWA) and 30-minute short term excursion limit (STEL) samples will be collected on this worker. This worker will wear a personal sampling pump and the sample will be drawn from the breathing zone of this worker. Personal Air monitoring results will be posted with-in 48 hours.

3) Area Air Monitoring: All area tests will be conducted every eight hours of every shift. The following specific areas will be monitored: inside work area, outside work area decons and at negative air exhaust locations.

4) Final air clearance air monitoring will be conducted on the final day of abatement, but before the restricted area barriers/signs are removed. Clearance results will be below .01 fibers/cc and one sample - one lab blank ran in each homogenous area. The following tests will be taken:

   A) Clearance samples will be taken by 3 Kings Environmental, Inc. and collecting at least 1200 Liters of air.
   B) The area must pass visual inspection.
   C) Clearance samples will be taken in areas subject to normal air circulation away from room corners, obstructed locations, and sites near windows, doors or vents. (Negative air machines will be kept running).

5) Exterior abatement work air monitoring: The following areas will be monitored every. four (4) hours:

   A) One sample at the boundary of the restricted area, up-wind of the primary activity.
   B) One sample is at the boundary of the restricted area, downwind of the primary activity.

C) Personnel sampling on the "most contaminated worker" as determined by the site supervisor. This sample is taken to determine the 8-hour worker TWA. Clearance sampling is not required for projects that are performed outdoors.

An independent testing lab (Sanair Technologies Laboratories) will be retained by 3 Kings Environmental, Inc. for PCM analysis. All clearance analysis will be performed by 3 Kings.

Documentation will be kept for each filter sample procured as to worker sampled, social security number, activity, work area location, date and time taken, volume of air drawn through filter, pump identification number and calibration. Documentation will indicate in what areas tests were taken and shall clearly indicate the specified maximum allowable fiber levels for each area tested.

3 Kings Environmental will submit sample analysis results, chain of custody, and equipment calibration records to the Owner with final project closeout documentation.

Daily air monitoring **analysis** will be performed by:

Sanair Technologies Laboratory, Inc
1551 Oakbridge Dr. Suite B
Powhatan, Va 23139
804.897.1177 (LOCAL)
888.895.1177 (TOLL FREE)

All ACM will be **transported** by the following contractor:

3 Kings Environmental, Inc.
PO BOX 280
Battleground, WA 98604

All ACM Debris will be **disposed** of at:

Northern Wasco County Landfill
2550 Steele Rd
The Dalles, OR 97058
(541) 296-4082

DEBRIS CLEAN-UP, EMERGENCY SPILLS, AND UNCONTROLLED RELEASES OF ASBESTOS: The area will be immediately evacuated of all unprotected personnel. We will then establish a regulated area.
The work area will be identified, and access restricted to minimize the number of persons within the work area and protects persons outside the work area from exposure above the PEL. Caution will be used to make sure that personnel are not tracking asbestos-containing debris to areas outside the regulated area and spreading the contamination.

The owner and the owner's representative will be notified immediately. All vents, openings, etc., will then be sealed. The ACM debris will be wetted down, picked up and properly labeled etc., the area will be completely HEPA vacuumed as needed.

The surface area that was contaminated will then be encapsulated with a penetrating encapsulant. Work in this area will not commence in the regular work area until the approved by the Owner and the Owner's representative.

STOP WORK DUE TO EXCESS AIR MONITORING LEVELS: If at any time during the work, analysis of an air sample taken by 3 Kings Environmental, Inc. indicates a fiber concentration in excess of the OSHA permissible exposure limit (PEL) or the outside area samples are above .01 fcc the IH who analyzed the sample will immediately notify 3 Kings Environmental, Inc. and the following procedures will be followed:

A) Stop Work
B) Identify source of high fiber count
C) Immediately correct containment breaches, pressure differential changes, and potential causes of high fiber counts.
D) Clean the affected area.
E) Resample air until fiber counts are determined to be below the specified max levels.
F) Secure and repair containment barriers, repair or add equipment.
G) Modify work procedures and make other changes to reduce fiber counts.

After Owner's approval in writing, Contactor will resume work.

SUBMITTALS

A) **BEFORE ABATEMENT**

Worker's submittals, notifications to applicable agencies, Work logbook, inspections, list of person's names affiliations, sign in, and sign out, must be maintained and posted within the work. (As per the specifications) employee worker certifications, fit test etc. available onsite at mobilization.

B) **30 DAY POST ABATEMENT**

1) Waste disposal manifests.
2) Results of final air clearance.
3) Certification Letters of all final visual inspections.
4) Copies of all work logs.

Project Contacts
Office
(253) 750-4143

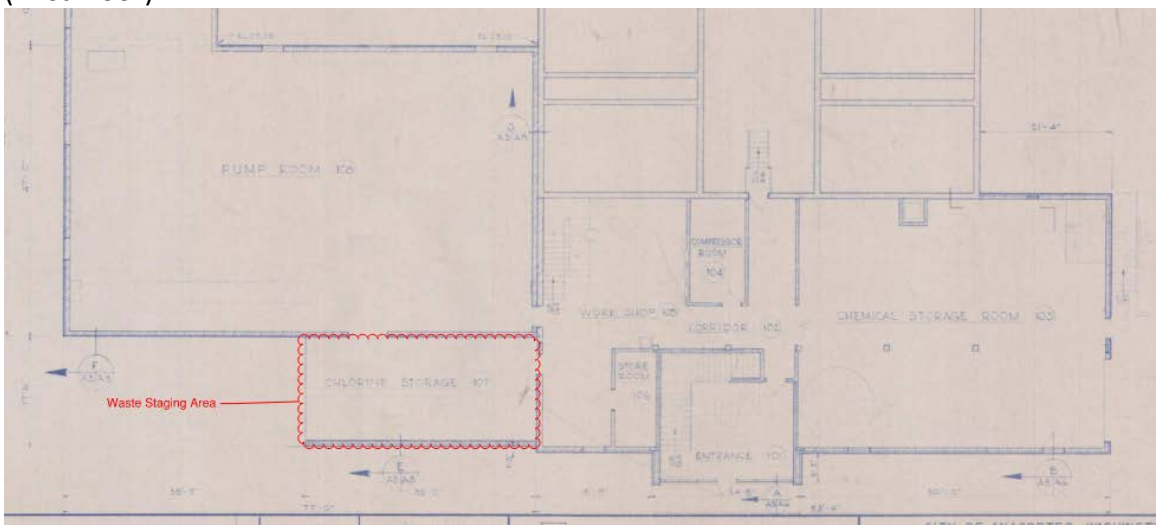
Jason Hawks
Abatement Division Manager
(360) 949-5822

Daniel Garcia
Abatement General Superintendent
(360) 773-5140

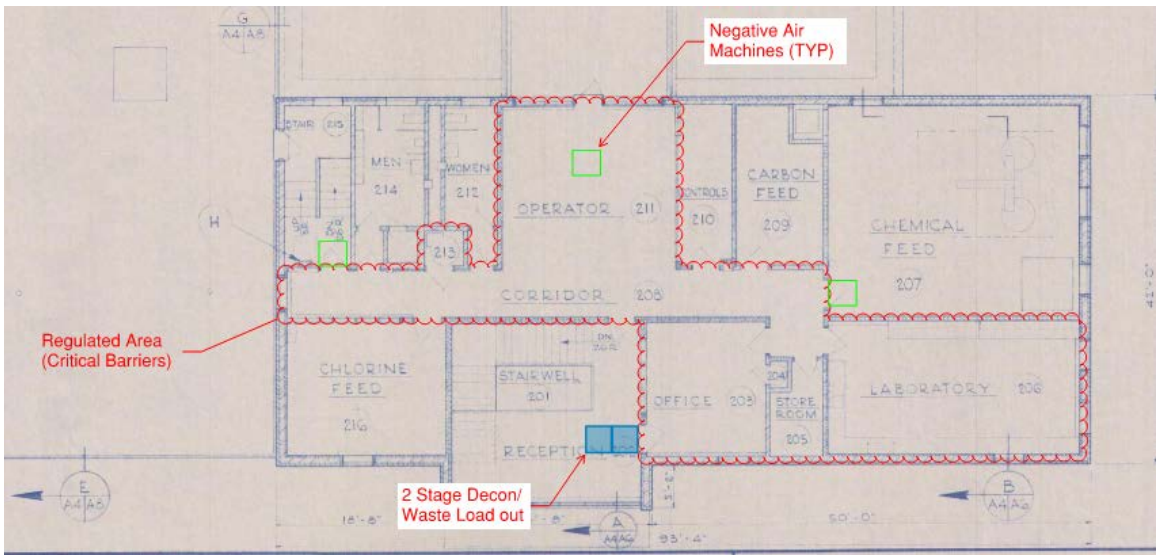
Ron King
Owner / CEO
(360) 907-4513

General Information:

Site Map
(First Floor)



Second Floor



Other Required Documents:
Asbestos Project Designer Certification

Certificate of Completion

This is to certify that

Jason M. Hawks

has satisfactorily completed
8 hours of online refresher training as an

AHERA Project Designer

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

187379
Certificate Number

Instructor: Andre Zwanenburg

Jan 11, 2023 Expires in 1 year.
Date(s) of Training

Exam Score: N/A
(if applicable)

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APPENDIX G
Decontamination Plan

Decontamination Plan

3 Kings Environmental Project Number 223060

The Site is located at 14489 River Bend Rd. Mt. Vernon, WA 98273. The Site is further identified as City of Anacortes Former Water Treatment Plant. The work area is contained entirely to the Site.

Decontamination Plan

1) **Procedures for Decontamination**
    a. Decontamination areas will be established for both personnel and for equipment. Locations may vary based upon base upon workflow and which portion of the site is being worked on.
    b. Personnel and equipment will only be decontaminated within an appropriately prepared decontamination area.
    c. Decontamination areas will be established when there is a need to move equipment from a contaminated work task to a work task with non-contaminated materials such as clean concrete or backfill materials.

2) **Decontamination Area Construction Methods and Materials**
    a. Personnel decontamination areas will be constructed from two layers of 20 mil polyethylene sheeting. One sheet will be used as a base and one sheet will be used as a "tear" sheet to allow easy clean up.
    b. Equipment decontamination areas will be constructed will two layers of polyethylene sheet over a geotextile material. Geotextile material will be placed over a sandy base unless the area is smooth and free of any foreign objects that could create holes or breaches in the decontamination area.

3) **Plan to Maintain the Integrity of the Liner System in the Decontamination Area**
    a. 3 Kings hopes to not have to utilize the full decontamination Pad as described in the specifications as the intent is to provide cleaning of the equipment in the contaminated area and provide clean 20 mil poly for the equipment to track out on.
    b. Maintenance of the liners is not anticipated, however in the case where it is the liner(s) will be inspected visually for tears or breaches and repaired accordingly.

4) **Work Practices to Minimize Tracking of Materials**
    a. Personnel will follow the decontamination work practices listed in this plan and per their HAZWOPER training.
    b. Visual delineation of the differing work zones to avoid accidental tracking of dust or debris.
    c. Proper dust control while performing work impacting PCB's.
    d. Proper decontamination of personnel and equipment prior to moving to an unimpacted area.

5) **Work Practices to Prevent Tracking of PCB Impacted Dust and Residuals by Site Personnel**

a. Dedicated PPE doff area between Hot Zone and Warm Zone. Area to be lined with plastic (double-layer) and inspected for possible penetrations/tears daily.
b. Replace top layer of plastic sheeting as needed, and at least weekly. All plastic to be treated as PCB-impacted.
c. All PPE must be removed and properly stored/packaged for disposal.
d. Dry boot brush and wash to be used as needed (if visible dirt/dust remains on boots).
e. All used PPE and boot brush area/wash area to be removed/ cleaned daily as PCB-impacted.
f. All waste material generated to be handled as PCB-impacted and disposed accordingly.
g. Monitor areas outside of Warm Zone for potential accumulated dust, dirt or debris. Clean areas exhibiting potential track off. Address BMPs to prevent additional track off.

6) <u>Work Practices for Collecting and Managing all Solids and Other Materials Generated During Equipment Cleaning.</u>

a. All equipment inside Hot Zone will remain inside area until finished with tasks or demobilization.
b. Equipment to be removed through dedicated Warm Zone area in dedicated cleaning area by tracking over clean polyethylene sheeting.
c. Cleaning area to be lined with plastic sheeting on sand, mulch or dirt to minimize potential for rips and tears in plastic sheeting.
d. Equipment to be visually inspected for accumulated dirt and debris and visible areas to be brushed.
e. Any collected material to be treated as PCB-impacted and handled accordingly.
f. If potential dust remains, minor wet wash to be implemented in contained area. All generated water and rinseate to be collected and treated as PCB-impacted.
g. Visual inspection of equipment prior to leaving Decontamination area.
h. All Decontamination area components to be presumed PCB-impacted and handled accordingly.

APPENDIX H

Construction Quality Control Plan

Quality Assurance

&

Quality Control Plan

Former Water Treatment Facility Demolition

May 31st, 2023

Quality Assurance/ Quality Control Plan

Former Water Treatment Facility Demolition

Prepared for: Former Water Treatment Facility Demolition

Prepared by: Jason Hawks

3 Kings Project #: 223060

Site Address: 14489 River Bend Road, Mount Vernon, WA 98273

Date: May 31st, 2023

X

Jason Hawks
Vice President

X

Olivia Merritt
Project Engineer / CESCL

Contents

1.0 Introduction 4
1.1 QA/QC Plan Structure..... 4
2.0 Project Organization and Authority 5
3.0 Site Background 6
3.1 Project Scope and Work Process Description..... 6
4.0 Project Quality Assurance and Quality Controls..... 7
5.0 Documentation and Recordkeeping 11
5.1 Review and Evaluation 12
6.0 QA/QC Update 13

Appendices:

Appendix A – Not used for this project.

1.0 Introduction

This Quality Assurance/Quality Control (QA/QC) Plan has been developed for the Former Water Treatment Facility Demolition project located in Mount Vernon, WA. 3 Kings Environmental, Inc (3 Kings) has been selected to perform the work.

The purpose of this QA/QC Plan is to provide guidance and measures to ensure that the project is completed in a safe manner that is consistent with project goals. Given the scope and complexity of this project, it is important that Site authority and practices are clearly defined; and that the practices and quality control methods are implemented consistently. This QA/QC Plan is intended to identify Site controls/authority, general procedures such as document/data control, activity-specific controls, and verification procedures.

1.1 QA/QC Plan Structure

The QA/QC Plan is organized into the following Sections:

- Introduction
- Project Organization and Authority
- Site Background
- Project Scope and Process Description
- Project Quality Assurance and Quality Control
- Documentation and Record-keeping
- Review and Evaluation
- Reporting

2.0 Project Organization and Authority

The roles and responsibilities of primary project organizations and key personnel are presented below.

<u>Project Organizations:</u>

3 Kings:

Jason Hawks is the Project Manager, Tom King is the Site Superintendent and SSO and will be the overall main contact for 3 Kings.

Mr. Hawks will be responsible for the start-up, day-to-day activities at the project site, scheduling of material, scheduling of personnel and subcontractors, and he will be responsible for site safety.

Mr. Tom King, Project Superintendent at 3 Kings Environmental, Inc. and has 30 plus years in the industry and has extensive experience in demolition, excavation, hazardous materials excavation as well as underground utilities. Mr. King is a 40-hour Hazwoper certified, 8- hour asbestos awareness trained, First Aid - CPR trained and competent person.

Olivia Merritt will be responsible for submittals and notifications.

Key Project Personnel:

Project Manager (PM), Jason Hawks – Project Manager will oversee all project activities, including financial management. The PM will ensure all provisions of the Site-Specific Health and Safety Plan (SSHASP) are enforced for the duration of the project and that the necessary resources and materials are committed to the project. Additionally, PM will oversee project logistics, coordinate directly with the project superintendent, and QA/QC officer on weekly activities and project schedule. PM duties also include review of project plans, submittals, and coordinating with subcontractors and vendors. Mr. Hawks will also serve as the site supervisor for this project.

Site Q A /QC Officer (SQAO), Jason Hawks-

The SQAO will be responsible for daily waste tracking and direct communication with transport vehicles, and daily communication with the Project Manager. This will allow the individual to ensure that all waste data and tracking is performed as required. The S Q A O will also be responsible for ensuring that quality assurance protocols are followed.

Site Safety Officer (SSO) (on-site), Tom King –

The SSO serves as the on-site competent person who is responsible for accident prevention. The competent person is responsible for, and authorized to act to ensure that personnel are not working under conditions that are unsanitary, hazardous, or dangerous to their health or safety. The competent person's accident prevention responsibilities include:

1 Frequent and regular inspections of the jobsite
2 Enforcement of the SSHASP
3 Inspections of materials and equipment on Site
4 Review of demolition plans

3.0 Site Background

The project site is actively and formerly used as a water treatment facility. Portions of the location are still in operation during construction.

3.1 Project Scope and Work Process Description

General

This project generally consists of the activities involved in demolition of inactive Water Treatment Plant buildings and structures, including the following:

- Demolition of the former administration/pump room building, including structures coated. with polychlorinated biphenyl (PCB) bulk product waste
- Demolition of portions of the former filtration basin, clear well, and sedimentation basin, which contain PCBs or are coated with PCB bulk product waste.
- Removal of PCB-impacted soils
- Processing clean concrete debris for onsite reuse
- Backfill of clear well structure and portions of the sedimentation basin
- Grading and restoration
- Transportation and disposal of wastes

Asbestos Abatement

The work will be done adjacent to an operating water treatment plant. The water treatment plant must remain in continuous operation throughout construction.
Proper site protections will be required prior to commencement of any work with in the regulated area.
All demolition and materials handling operations shall be performed in a manner that minimizes the potential for particulate/dust generation and be in full compliance with the air monitoring action levels detailed in the specifications.

Demolition

All demolition and materials handling operations shall be performed in a manner that minimizes the potential for particulate/dust generation and be in full compliance with the air monitoring action levels detailed in the specifications.
Any construction debris, with the exception of recyclable materials, will be disposed of at an authorized landfill. The majority of the structures are contaminated with PCB paint. Appropriate PPE and precautions are needed to perform the work and keep the crews and personnel in the vicinity safe.
The phasing of the demolition will be guided by the Project Manager with consideration of project schedule and relation to other on-going site activities.

Clean concrete from demolition will be crushed to specified sizes and reused on site for backfill material in the basements along with imported crushed rock materials to bring up the site elevation.

4. Project Quality Assurance and Quality Controls

This section includes quality assurance and quality controls implemented at the Site. Quality assurance items are primarily procedures/processes that are implemented to ensure successful completion of the project.

Quality control items are used to evaluate the implemented project procedures/protocols and identify deviations.

Quality Assurance

Specific project components require strict management methods to ensure a successful outcome. These aspects of the job are established below but may be augmented as necessary during the performance of the project.

Waste Tracking and Documentation

Most of the waste from this project is anticipated to be disposed of as TSCA regulated waste. Materials that can be recycled will be taken to an approved recycling facility.

1. Waste streams will be generated and (typically) sorted, stacked, and/or piled within the designated staging areas to create distinct areas of like-materials for loading and transportation, as directed in the specifications and project work plan. Staging areas, to the extent possible, will be located in close proximity to the project work areas.
2. The Project Manager will be updated on a daily basis regarding waste streams on site.
3. Management personnel will frequently monitor waste accumulation and schedule accordingly for transportation to off load waste to appropriate disposal facilities. Anticipated truck quantities and load types will be communicated to the field each morning or the previous evening to allow preparation of paperwork and notification of the appropriate waste facilities.
4. Trucks arriving at the site will be required to check in with the supervisor and receive directions. Driver information will include receiving a brief site orientation (if necessary) and directions on where and what to load. If necessary, the driver will also be given directions to the disposal facility.
5. Waste disposal tracking data will be updated daily.

Pre-Demolition Review

There are multiple structures on site that may contain potential hazards. Therefore, it is necessary to establish methods required to ensure that work activities do not proceed until proper review and coordination has been performed. The following methods should be used by all contractors:

1. When preparing to begin work in a new area, contact the Project Manager to confirm the next priority work item. (Note: this review should also be performed following any change in site conditions).
2. Identify the work area and review specific hazards from the engineering survey.
3. Communicate the hazards to all personnel performing the work.
4. Discuss necessary hazard mitigation measures (e.g., avoid unsafe walkways, lighting, temporary structural supports).
5. Discuss the full scope of the activities to be performed at that location.

Daily Job Activity Log

The Project Manager will maintain a log of site activities performed each day. At a minimum, the daily log should include the following:

1. site activities performed and contractors on site.
2. Working hours and weather.
3. All QC items performed.
4. Document delays, standby, and weather stand down, and.
5. General site observations and deviations from normal conditions.

Daily logs will be compiled on a weekly basis and utilized to prepare a weekly update of site activities an progress. In addition, the QA/QC Officer will maintain an individual daily log to record QC activities and observations.

Periodic Project Review

Periodic project reviews are required to provide a format for discussion of ongoing schedules, priority assessment, project impediments, successful or unsuccessful work processes, and suggestions for improvement. Review meetings will be held as listed below:

1. Primary management personnel – Weekly
2. Contractor-specific management teams and workers – Twice Monthly

Quality Controls

Individual controls will be implemented to ensure that project components are being carried out in a safe, efficient manner and in compliance with project specifications. Each item below describes the activity required, the primary personnel in charge of the activities,

recording/documentation requirements, and required frequency of evaluation. The various quality control items have been separated according to the following groups:

1 Waste Removal Quality Control
2 Demolition Quality Control
3 Health and Safety Quality Control
4 Plan Compliance Quality Control
5 Compaction Testing Quality Control
6 Elevation/Grades Quality Control

Demolition Quality Control

Control Type	Description	Performance Frequency	Personnel in Charge	Documentation Method
Demolition Fence/Tarp Assessment	Note condition, height, conformance with project specifications. Note deviations and make corrections as necessary.	Weekly/As needed	Jason Hawks	Document Inspection in Daily Log
Waste Disposal	Track the number of loads and weights of materials being disposed of. Note material types and disposal site.	Flexible based on load density/Once Monthly	Jason Hawks	Document inspection in Daily Log
Site Safety Meetings	Go over daily tasks and dangers associated with each. Observe conduct and adherence to safety, site, and activity protocols. Make notes and notify personnel of required corrective action.	Daily	SSO – QC Officer	Inspection in Daily Safety Log
Safety/Training Certification Review	Review the safety/training certifications for on-site personnel. Verify documents are available and up to date	As required or at Project Start	SSO – QC Officer	Document Inspection in Daily Log

Plan Compliance Quality Control

Control Type	Description	Performance Frequency	Personnel in Charge	Documentation Method
Plan Compliance	**SWPPP** - Verify that SWPPP inspections being performed, conduct independent review of protective structures, discuss with PM.	Once Weekly or following a rain event	CESCL	Log deviations – Notify PM Immediately
	SSHASP – Maintain awareness of site activities with respect to health and safety protocols. Note deviations to personnel and/or supervisors. Note areas where improvement is required.	Ongoing	SSO - QC	Log deviations and actions taken

Plan Compliance	**Demolition Engineering Plan** – Review personnel compliance with restrictions for individual buildings. Evaluate condition of signage, barriers, knowledge of personnel on buildings undergoing active demolition. Note deviations and make corrections as needed.	Once per building or as conditions change.	SSO - QC	Log deviation and actions taken
	Dust Control Plan – Evaluate effectiveness of the watering dust control measures from work area perimeter. Dampening work area will be done frequently throughout the day, more often if windy. Increase as needed.	Multiple times daily with increased frequency as needed and/or if windy.	Site Superintendent	Log deviations and actions taken. Notify PM
	Earthworks Plan - Compaction Testing - Verify that testing is being performed according to the specification and plans. Elevation/Grades per plan and specs.	As required	Project manager/ Project Assistant	Log Results
Plan Compliance	**Wind/Air Monitoring** – Review monitoring logs and frequency of data collection. Observe old log to verify that work restrictions are enforced. Ensure proper document control.	As required and conditions change	SSO - QC	Document Inspection in Daily Log
	Traffic Control Plan – Observe traffic patterns, ingress/egress documentation, vehicle speed, parking areas. Note deviations.	As required	SSO - QC	Document Inspection in Daily Log
	QA/QC Plan – Review completion of the quality control items, notes, frequency, and records.	Once Monthly/As Needed	PM – QC	Document Inspection in Daily Log
	PPE – Observe personnel use of PPE. Notify worker of minor deviations (i.e.; ear plugs). Record serious and/or consistent deviations.	Ongoing	ERP/ SSO – QC	Document Inspection in Daily Log
Surveying	All project survey work and establishment of temporary benchmarks shall be performed under the oversight of a registered professional land surveyor in the State of Washington. Methods that establish control using res-section, or occupy and backsight, shall also include the occupation of other existing benchmarks to verify accuracy within acceptable industry standards or as directed by State Law. All survey equipment has been calibrated within the last 6 months or as specified by the equipment manufacturer	As needed	PM – QC	Log Results

5. Documentation and Record-Keeping

This section provides documentation and record-keeping procedures will be implemented at the site. Maintaining well organized and consistent methods of project information will be critical for project success.

The items presented below include Site procedures for control, management, and organization of documents.

Document Control

The Project Manager is responsible for documentation and record keeping of project information. Project information will be primarily maintained on-site with the goal of allowing ready access and review by project staff and personnel. Additional measures will be employed by the Project Manger to ensure that documents are protected against loss. The project manager will focus on the following document control objectives during the project:

1 Ensure that contractors/subcontractors provide all forms, documents, permits, monitoring results, etc. to the field office in a timely fashion.

2 Maintain hard-copy and electronic files on-site and organize the files according to a set filing structure.

3 Maintain a complete backup of the electronic file system:

3.1 The files will be copied to an additional off-Site storage where the new and former backup copies are stored.

4 Provide access to all project plans, procedures, and Right-to-Know area.

Document Organization

Documents that are generated during the course of the project will be filed according to a consistent file structure. It is typical for filing needs to change as the project develops, therefore this structure may be modified as required. All personnel who are responsible for filing information will be made aware of the file structure and will not create new files/folders without the knowledge of other personnel.

Phone and Conversation Logs

All personnel associated with the project will be required to maintain a record of important conversations.
Some of the fundamental types of conversations that should be documented include, but are not limited to:

1. Any meeting/conversation with a regulating entity.

2. Any interaction with a member of the community or media.
3. Disciplinary actions or warnings to personnel.
4. Conversations regarding key schedule items with client, contractors, suppliers, etc.
5. Any conversation regarding schedule of values, quantities, or billing items.

5.1 Review and Evaluation

Review and evaluation of quality data/information is a fundamental component of overall quality management. Following collection of quality control data, it is the responsibility of the QA/QC Officer to review any information or observations, evaluate the effect on the project, and initiate any changes or necessary corrective measures. Some of the main review components include:

- Compile and review assessment information from QC activities.
- Evaluate deviations and (if necessary) prioritize the effect on project safety and/or success.
- Determine the appropriate required actions/corrective measures.
- Coordinate implementation of protocol changes.
- Documentation and distribution of any plan modifications, and.
- Perform verification of implemented protocols.

6. QA/QC Update

For the duration of site activities, the QA/QC Officer will complete a monthly QA/QC update. This update will be reviewed by 3 Kings and provided to the Owner and contractors/subcontractors. The document will act as an assessment of ongoing activities and a tool for notification of protocol changes that have been implemented or proposed.

The following items may be included into the QA/QC Update:

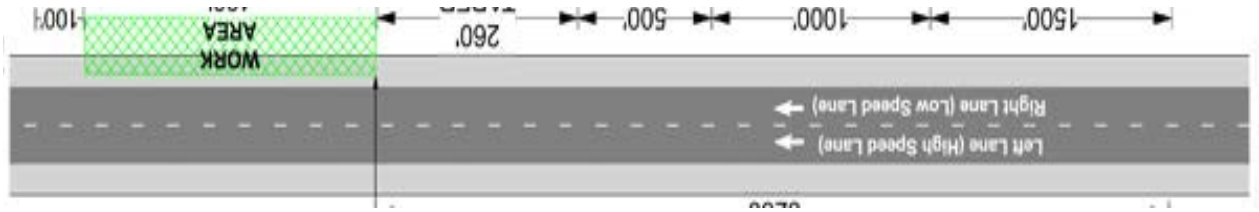
1. Summary of QA/QC Activities and Results.
2. Results of QC review, including:
    a. Deviations
    b. Positive observations
    c. Protocol/Procedure Changes that are:
    d. Implemented
    e. Proposed

This update will provide a method for tracking QA/QC success throughout the project as well as to help ensure completion of a safe and successful project.

APPENDIX I

Traffic Control Plan

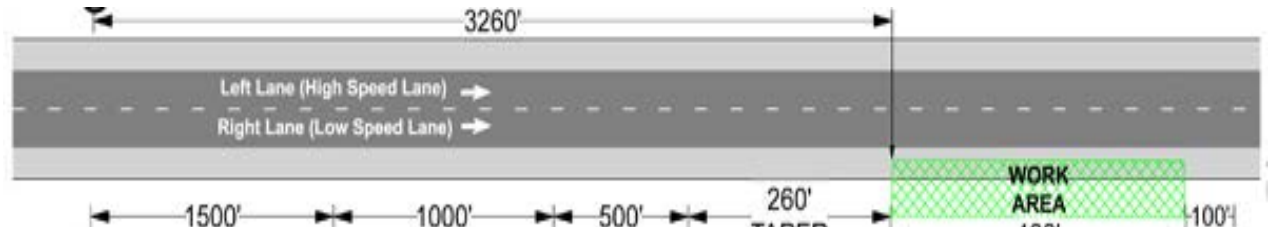
Reduce Speed to 20 MPH



Work Start Maintain 35 MPH Speed Zone

Anticipated Construction Site Entrance Facing North

Work Start Maintain 35 MPH Speed Zone



Anticipated Construction Site Facing South Reduce Speed to 20 MPH

Visible Signage to Include:

APPENDIX J

Water Management Plan

Water Management Plan

Former Water Treatment Facility Demolition
June 30, 2023

Prepared By:

Olivia Merritt

253-750-4143

Contract # 22-204-WTR-001

3 Kings Job # 223060

Project Engineer:

Rebecca Desrosiers- rdesrosiers@anchorqea.com

Julia Fitts- jfitts@anchorqea.com

1. Introduction

1.1 Purpose

The purpose of this Water Management Plan (WMP) is to guide the planning, implementation, monitoring, and performance of the water management practices used during demolition work for the Former Water Treatment Facility Demolition (Project).

1.2 Objectives

The objectives of this WMP include:

- Identifying work activities that have the potential to generate contact water.
- Procedures to be implemented during the performance of the activity to minimize the generation of such contact water.
- Procedures for collecting and containerizing contact water generated.
- Procedures for water disposal.
- Required permits.

2. Project overview

The scope of work for this project consists of complete abatement of the demolition of inactive Water Treatment Plant buildings and structures, including the following:

- Demolition of the former administration/pump room building, including structures coated.

with polychlorinated biphenyl (PCB) bulk product waste.

- Demolition of portions of the former filtration basin, clear well, and sedimentation basin,

which contain PCBs or are coated with PCB bulk product waste.

- Removal of PCB-impacted soils.
- Processing clean concrete debris for onsite reuse.
- Backfill of clearwell structure and portions of the sedimentation basin.
- Grading and restoration.
- Transportation and disposal of waste.

2.1 Project Delivery method

The Project will be done adjacent to an operating water treatment plant. The water treatment plant must remain in continuous operation throughout construction. All demolition and materials handling operations shall be performed in a manner that minimizes the potential for particulate/dust generation and be in full compliance with the air monitoring action levels detailed in the Specifications. The said project is approximately 460 ft. from the Skagit River, and Active Lagoons.

2.2 Responsible parties

The following are the assigned contacts for this project.

2.2.1 Contractor

- Project Manager: Jason Hawks (360)949-5651
- Superintendent: Tom King (360) 921-8702

- Erosion and Sediment Control Lead: Olivia Merritt (360)784-2012

2.2.2 Construction Engineering Office

- Project Engineer: Rebecca Desrosiers- rdesrosiers@anchorqea.com
- Assistant Project Engineer: Julia Fitts- jfitts@anchorqea.com

2.3 Project area and scope

Project location: The former Anacortes water treatment plant (WTP) operated on a parcel adjacent to the east bank of the Skagit River (Figures 1 and 2).Site address 14489 River Bend Road. Mt Vernon, WA 98273. Scope of work is the complete abatement and demolition of the former water treatment plant.

2.4 Description of Activities (Work activities with the potential to generate contact water highlighted Yellow)

1. Excavation and Management PCB-impacted Soil
2. Asbestos abatement
3. Loose paint removal
4. Pre-demolition removals, including:
    a. Removal of universal and regulated waste.
    b. Removal of residuals from the sedimentation basin, clearwell, floor drain, trench drains, and sumps.
    c. Removal of filter media from filtration basin.
    d. Regulated and miscellaneous items removal.
    e. Removal of all equipment remaining in the sedimentation basin, filtration basin, clearwell, and buildings.
    f. Removal of metal railings and stairs.
    g. Broom cleaning of basins and clearwell following removal of residuals and filter media.
5. Demolition of sedimentation basin perimeter walls and coated weirs and walls on the basin interior.
6. Interior washdown of the basin.
7. Demolition of non-coated structures and features on the interior of the basin.
8. Removal of the central expansion joint and adjacent concrete and subsequent cleaning of the area
9. Fracturing/puncturing the basin floor.
10. Processing of nonhazardous concrete debris for reuse.
11. Segregation and management of wastes for off-site transportation and disposal.
12. Broom cleaning the first-floor concrete slab of the administration building.
13. Removal of the floor of the administration building and exterior clearwell roof
14. Removal of remaining clearwell walls to at least 1 foot below final grade.
15. Removal of the exterior and interior walls and floors of the filtration basin, including the pipe gallery.

16. Removal of interior walls and columns in the clearwell.
17. Fracturing/puncturing the clearwell floor.
18. Demolition of the small shed-like structure located adjacent to the filtration basin and underlying concrete slab.
19. Processing of nonhazardous concrete debris for reuse.
20. Segregation and management of wastes for off-site transportation and disposal.
21. Cut and fill as required to meet final grades.
22. Transporting, placing, and compacting gravel borrow as needed for backfilling excavations and to meet grades.
23. Placement and compaction of Contractor-generated and Owner-provided fill in the clearwell and sedimentation basin.
24. Grading of the project area after demolition.
25. Placement and compaction of 4 inches of crushed stone on the surface of the former sedimentation basis at locations shown on the Drawings.
26. Repairing/restoring all on-site and off-site features that will have been damaged or otherwise disturbed during implementation of the Work and were not scheduled for demolition/removal or scheduled for any other modifications.
27. Preparation for seeding, mulching, and maintenance of the seeded area.
28. Final cleaning and removal of trash and debris from the project area Movement of wastes from staging area.
29. Processing of waste to meet facility sizing requirements.
30. Loading waste for off-site transportation.
31. Transportation and off-site disposal or recycling of waste.

2.5 Equipment

Equipment to be used onsite: Excavator, 330, 349, Crusher, Pecker/processor, Sweeper, Skid steer, Haul Trucks. All equipment will be Decontaminated prior to entering and leaving the site. Proper Spill containment kits will be placed throughout the site and near any staging facilities. Staging will also take place at the farthest point from the state waters.

3. Best Management Practices To Minimize Contact Water

BMPs will be in place throughout the Project, using an adaptive management approach and in compliance with all permits and approvals obtained for the Project. Procedures and BMPs for the various proposed work activities that will occur are outlined in more detail below.

3.1 Dust Control

3 Kings Environmental will practice every method available to prevent Dust and Contaminated Soil particulates from traveling in air to nearby buildings as well as to members of the crew and operating staff members of the remaining operational facilities. Use of an HKD Blue V-400 dust control cannon/ mister to broadcast very fine water particulate over the site. This fine water particulate does a much better job of controlling dust in comparison to direct source water treatment such as using a hose to directly apply water to the dust generating source. This process also uses a fraction of the water and has a higher probability of evaporation and less ponding. 3 Kings will also maintain a clean and operational project approach as noted in the Site Construction Plan. All storage piles will be

covered by plastic and sandbags to prevent or reduce dust generation and the need for additional water.

3.2 Direct Watering

The use of direct watering will be minimized to the greatest extent possible do to the increased amount of water consumed and in return needing to be collected and containerized.

4. Collecting, Containerizing and Filtering Contact Water

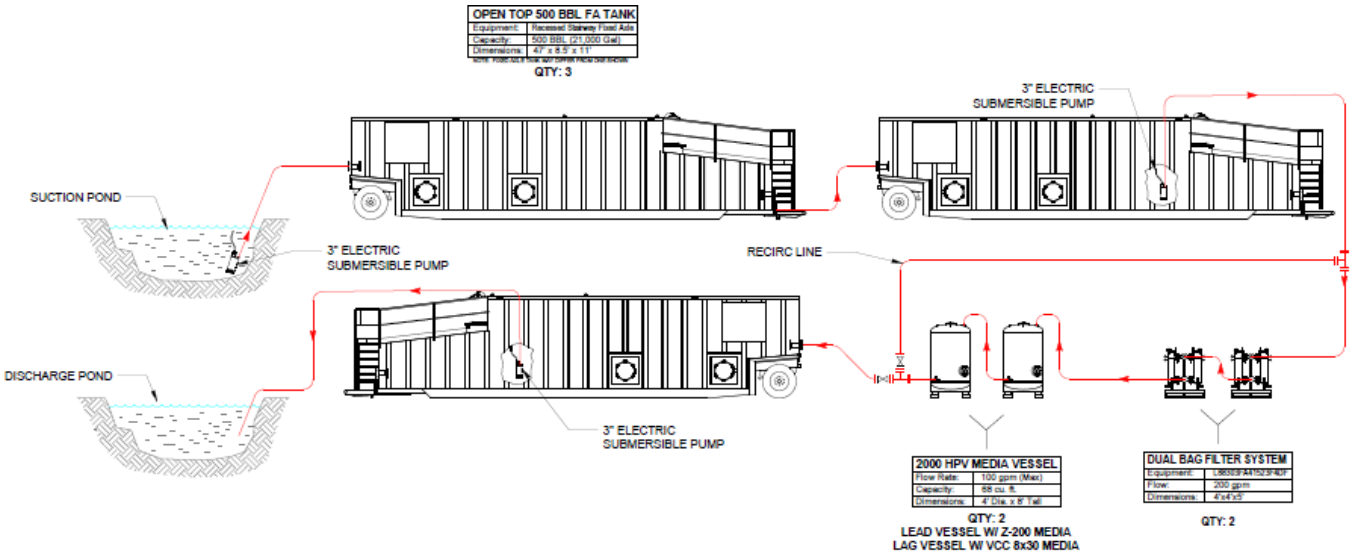
The temporary treatment system will consist of (3) 21,000-gallon storage tanks and (2) 1- and 10-micron bag filters and (2) 2,000lb hi pressure filters. The first two tanks will be used to store water as encountered. Water from the storage tanks will run through the two bag filters prior to going through the hi pressure filters. One hi pressure filter will be loaded with natural zeolite and the second filter will be loaded with virgin bituminous coal activated carbon. Once water has been pumped to the third holding tank, water testing will occur prior to discharge. The system has been designed to meet the following limits: PCBs < 0.5 ug/L, lead <15 ug/L, and total suspended solids < 30 mg/L.

- Water collection will be performed by pumping and standing water from the interior of the differing structures being demolished. 3” and smaller electrical submersible pumps will be used for this task.
- If water quality is not met the water will be recirculated through the filtration system one more time.
- Collected, and tested water will be discharged onsite into one of the three lagoons approved by the owner. Only water that meets these criteria will be discharged. PCBs < 0.5 ug/L, lead <15 ug/L, and total suspended solids < 30 mg/L.
- Water that does not meet this criteria will be disposed of off site at an approved facility permitted to take such water.

4.1 Water Collection/ Treatment System Details

- (3) 21,000 Gallon tight lined steel storage tanks.
- (2) 3” inlet and outlet bag filters
- One and 10 Micron bag filters
- (2) 2,000 LB Filters
- Natural Zeolite will be used in one filter
- virgin bituminous coal activated carbon in the second filter
- Pumps will be 3” Electric submersible pumps rated for 50-80 gallons per minute continuous
- Submersible pump control panels
- Miscellaneous 3” piping and valves
- Cam lock layflat discharge hoses

4.2 Water Collection/ Treatment Diagram



5. Required Permits

This project requires the following permits:

1) Skagit County Demolition Permit
2) Skagit County Grading Permit
3) NWCAA Abatement and Demolition Permit
4) L&I Asbestos Removal Notification
5) NPDES Permit

3 Kings Environmental, Inc.
P.O. Box 280
Battle Ground, WA 98604
(360) 666-5464

Project Name: Former Water Treatment Plant Demolition Project
Contract No.: 22-204-WTR-001
Contact: Doug Musser

Submittal Item

SPEC Section: 011100 Summary of Work - SWPPP **Revision No.:**

Date Submitted: 6/10/2023

Responsible Contractor: 3 Kings Environmental, Inc.

Description: SWPPP/TESC Plan With Material Spec Sheets

REVIEWED	
REVIEWED AND NOTED	
RESUBMIT	
REJECTED	
FOR YOUR INFORMATION	

Agency Signature | Date | Copies to:

Storm Water Pollution Prevention Plan (SWPPP) and Temporary Erosion Control and Sedimentation Control (TESC)

3 Kings Project Number 223060

Prepared for:

Former Water Treatment Facility Demolition
14489 River Bend Road
Mount Vernon, WA 98273

Prepared by:

3 Kings Environmental, Inc.
15001 NE 10th Street
Vancouver, Washington 98685

Date Prepared:

29 June 2023

Prepared by:

Jason Hawks

1.0 INTRODUCTION

This Storm Water Pollution Prevention Plan (SWPPP) and Temporary Erosion Control and Sedimentation Control (TESC) Plan Narrative has been prepared for project requirements associated with the Former Water Treatment Facility property located at 14489 River Bend Road in Mount Vernon, Skagit County, Washington ("subject site"). This SWPPP is to be included with the project documents. All work activities will be completed on the subject site, although the following plan provides protection elements for both the subject site and surrounding properties.

The TESC Plan and SWPPP describe the temporary Best Management Practices (BMPs) selected to maintain storm and surface water quality during remediation activities at the subject site. A BMP is a physical, structural, and/or managerial practice that prevents or reduces pollution of water. The goal of the TESC Plan and SWPPP is to prevent turbid discharges and sediments from leaving the subject site, while maintaining state and local regulations. If field conditions during construction activities change, requiring additional temporary BMPs, or if a change in the placement of temporary BMPs is needed, this plan shall be modified by the Certified Erosion and Sediment Control Lead (CESCL) and approved by the Engineer. This narrative is provided for use by the Contractor and needs to be retained onsite during all work activities.

Construction/remediation activities include the temporary erosion and sediment control measures related to building demolition, stockpiling of recycled materials, and placement of recycled and import materials.

The limits of construction are included in **Appendix A**.

The purpose of this document is to describe the proposed construction activities and all temporary and permanent erosion and sediment control measures, pollution prevention measures, inspection/monitoring activities, and recordkeeping that will be implemented during the proposed project. The objectives of the TESC Plan and SWPPP are to:

- Implement BMPs to minimize erosion and sedimentation from rainfall at construction sites, and to identify, reduce, eliminate, or prevent the pollution of storm water.
- Prevent violations of surface water quality, groundwater quality, or sediment management standards. This includes the protection of neighboring surface water bodies, as well as the city-maintained storm water collection systems.

- Prevent adverse water quality impacts, including impacts to beneficial uses of the receiving water by controlling peak rates and volumes of storm water runoff at outfalls from the subject site and downstream of outfalls.

The TESC Plan and SWPPP were prepared based on the requirements set forth in the Ecology SWPPP Template and the Construction Storm Water General Permit, *Storm Water Management Manual for Western Washington* (SWMWW 2005). The plan is divided into seven main sections with several appendices that include storm water related reference materials. The topics presented in each of the main sections include the following:

- Section 1 – Introduction: This section provides a summary description of the project, and the organization of the TESC Plan Narrative/SWPPP document.
- Section 2 – Site Description: This section provides a detailed description of the existing site conditions, proposed construction activities, and calculated storm water flow rates for existing conditions and post-construction conditions.
- Section 3 – Construction BMPs: This section provides a detailed description of the BMPs to be implemented based on the 13 required elements of the TESC Plan Narrative/SWPPP (SWMWW 2005).
- Section 4 – Construction Phasing and BMP Implementation: This section provides a description of the timing of the BMP implementation in relation to the project schedule.
- Section 5 – Pollution Prevention Team: This section identifies the appropriate contact names (emergency and non-emergency), monitoring personnel, and the onsite temporary erosion and sedimentation control inspector.
- Section 6 – Inspection and Monitoring: This section provides a description of the inspection and monitoring requirements such as the parameters of concern to be monitored, sample locations, sample frequencies, and sampling methods for all storm water discharge locations from the subject site.
- Section 7 – Recordkeeping: This section describes the requirements for documentation of the BMP implementation, site inspections, monitoring results, and changes to the implementation of certain BMPs due to site factors experienced during construction.

Supporting documentation and standard forms are provided in the following Appendices:

Appendix A – TESC Plans
Appendix B – Site Log and Inspection Forms
Appendix C – CESCL Certification

1.0 Introduction:

This project generally consists of the activities involved in demolition of inactive Water Treatment Plant buildings and structures, including the following:

- Demolition of the former administration/pump room building, including structures coated with polychlorinated biphenyl (PCB) bulk product waste.
- Demolition of portions of the former filtration basin, clear well, and sedimentation basin, portions of which contain PCBs or are coated with PCB bulk product waste.
- Focused removal of approximately 260 cubic yards, shallow (i.e., less than 1 foot below existing grade) PCB-impacted soils from localized areas adjacent to the filtration and sedimentation basins
- Infiltration or capture and treatment of water that comes in contact with PCB-impacted soils and building materials
- Processing clean concrete debris for onsite reuse
- Backfill of clearwell structure and portions of the sedimentation basin
- Grading and restoration
- Transportation and disposal of wastes
- Payment of all associated taxes and fees

All demolition and materials handling operations shall be performed in a manner that minimizes the potential for particulate/dust generation and be in full compliance with the air monitoring action levels detailed in the Specifications.

2.0 SITE DESCRIPTION:

The subject site is located at 14489 River Bend Road, Mount Vernon, Washington 98273. It includes units built in 1971 per the drawings and includes the following to be abated and demolished: former 2 story administration building, filtration basin, clear well and sedimentation basin with final grading and surface restoration to be completed by 3 Kings Environmental.

2.1 Existing Site Conditions

The subject site consists of a commercial property located at 14489 River Bend Road, Mount Vernon, Washington. The subject site and surrounding properties fall within an area of predominantly agricultural land use.

2.2 Proposed Construction Activities

3 Kings will mobilize to the subject site to secure the perimeter of the subject site. Sediment fencing will be installed along the perimeter of the active work areas with work area protections will include pedestrian and vehicular access areas along the edge of the work area. All work limits will occur within the work area specified in the drawings.

Three days before any excavations on the site, 3 Kings will utilize public utility notification. 3 Kings Environmental will await facility approval prior to any excavations or ACM removal. Any related debris will be disposed of in an appropriate landfill. Stockpiles will be covered with plastic

sheeting when not being utilized in an area approved of by the owner in advance of excavations. Any materials as noted in the drawings for re-use will be stored in a location approved by the facility and the owners as noted.

After testing is completed by the Engineer on areas noted 3 Kings will then begin grading and finalizing the site. All excavations will be capped off with 4" compacted crushed stone and hydroseed as specified in the drawings at surface grade levels.

2.3 Requirements Relative to Environmental Contaminants at the Site

Contaminated soil (soils exceeding the PCB cleanup level of 1 mg/kg) will be excavated from the cleanup areas adjacent to the sedimentation and filtration basins and direct-loaded into trucks for off-site disposal at an approved landfill facility. No soils will be stockpiled. Confirmation sampling of excavations will be performed to ensure all soils exceeding the cleanup level have been successfully removed.

There is no contaminated groundwater at the site.

3.0 CONSTRUCTION STORM WATER BMPS

The thirteen standard BMPs outlined in the Department of Ecology (DOE) Storm Water Management Manual for Western Washington, Volume II, are used as the primary approach for erosion and sediment control and is summarized in the following section.
Stormwater that comes in contact with PCB-impacted soils and building materials will either infiltrate or be captured and treated. Therefore, it has been determined that Alternate BMPs are not applicable to this site. Multiple standard BMPs have been included for each of the BMP elements. Additionally, the only potential for discharge would be associated with emergency overflow that would be required during an extreme precipitation event. Weather conditions will be tracked and the site stabilized prior to such anticipated events to further reduce the potential for unplanned discharges.

3.1 13 BMP Elements

3.1.1 Element #1 – Mark Clearing Limits

Prior to demolition activities, all clearing limits will be marked in the field with flagging or high visibility fences, stake and wire, or silt fences. Any vegetation onsite will be left to remain unless specified in the drawings to be removed. The project area will be fenced and areas to remain untouched will be marked. The BMPs relevant to marking the clearing limits that will be used for this project include:

- **BMP C103: High Visibility Plastic or Metal Fencing** to restrict disturbance to the project site limits.

- **BMP C233: Silt Fence** around the perimeter of the construction area as depicted on Sheet 3: TESC Plan.

3.1.2 Element #2 – Establish Construction Access

A stabilized construction access point will be installed prior to grading operations that expose bare soil to construction equipment. Access points will be limited to the fewest number possible whenever feasible. It is anticipated that two entrances will be sufficient. If sediment is tracked offsite, roads are to be cleaned thoroughly within 30 minutes of occurrence. Sediment removed will be transported and stabilized to an approved location. Dry brushing may be utilized to decontaminate vehicle wheels if contact is made with un-stabilized sediment. If the streets are washed with water, it will be collected and treated prior to discharge.

Construction access or activities occurring on unpaved areas shall be minimized, yet where necessary, access points shall be stabilized to minimize the tracking of sediment onto public roads, street sweeping, and street cleaning may be employed to prevent sediment from entering state waters. The specific BMPs related to establishing construction access that will be used on this project include:

- **BMP C105: Stabilized Construction Entrance** will be implemented in areas of entering construction zones (plans for stabilized construction entrance can be seen in Sheet 3: TESC Plan).
- **BMP C107: Dry Brushing / Street Sweeping** will occur near the construction entrance when needed by a field worker, with all material being transported to the stockpile.

3.1.3 Element #3 – Control Flow Rates

Runoff rates are expected to decrease during construction as fully impervious surfaces are removed. Should concentrated flows be observed or expected, wattles will be deployed per BMP C235.

3.1.4 Element #4 – Install Sediment Controls

All stormwater runoff from disturbed areas that does not infiltrate or is not captured shall pass through an appropriate sediment removal BMP before leaving the subject site or prior to being discharged to an infiltration facility.

- **BMP C233: Silt Fence** around the perimeter of the construction area, as seen in Sheet 2: TESC Plan.
- **BMP C150: Materials on Hand** such as erosion prevention tools (extra wattles or other preventative measures) easily accessible on site

3.1.5 Element #5 – Stabilize Soils

Cover soil that is not being worked, whether at final grade or not, within the following time limits, using approved soil cover practices. No soils shall remain exposed and unworked for more than seven days during the dry season (May 1 through September 30) and two days during the wet season (October 1 through April 30). Regardless of the time of year, all soils shall be stabilized at the end of the shift before a holiday or weekend if needed, based on weather forecasts. Any unworked face of any such piles shall be ringed with wattle. Gravel deliveries shall be scheduled to minimize onsite storage.

Additional measures shall be deployed should a pile shed runoff in an excess of 25 NTU. The specific BMPs for soil stabilization that shall be used on this project include:

- **BMP C123: Plastic covering** may be used on unattended stockpiles above and below.
- **BMP C235: Straw Wattles** used in areas sensitive to runoff due to precipitation or watering dust controls.

3.1.6 Element #6 – Protect Slopes

The only slope is along the active sediment pond. It will be armored with sediment fencing backed by straw waddles. Any substitutions will require approval by the Engineer, and if approved will likely require additional BMPs such as jute mat over straw over seed. No work will occur near the Skagit River's edge. Specific BMPs associated with this element include:

- **BMP C233: Silt Fence** around the perimeter of the construction area as detailed in the Sheet 2: TESC Plan drawings.
- **BMP C235: Straw Wattles** used in areas sensitive to runoff due to precipitation or watering.

3.1.7 Element #7 – Protect Drain Inlets

Water is not expected to leave the construction area or flow into the stormwater conveyance system; however, inlet protection will be used as noted in the drawings at all grate locations to prevent sediment in the catch basins and prevent possible contamination. Public roads identified adjacent to the subject site will be kept clean to prevent migration of sediment to storm drains. All inlets identified near the subject site will be inspected weekly, and after each storm event. Storm water filters will be cleaned or replaced once sediment has filled one-third of the available storage unless a different standard is specified by the product manufacturer. The following inlet protection measures will be applied to this project:

- **BMP C220: Storm Drain Inlet Protection** will be used in storm drains identified in Sheet 5: TESC Plan.
- **BMP C150: Materials On Hand** referring to having extra storm drain inserts on site.

3.1.8 Element #9 – Control Pollutants

All pollutants, including waste materials and demolition debris, that occur onsite shall be handled and disposed of in a manner that does not cause contamination of stormwater. Good housekeeping and preventative measures will be taken to ensure that the site will be kept clean, well-organized, and free of debris. If required, BMPs to be implemented to control specific sources of pollutants are discussed below.

Vehicles, construction equipment, and/or petroleum product storage/dispensing:

- All vehicles, equipment, and petroleum product storage/dispensing areas will be inspected regularly to detect any leaks or spills, and to identify maintenance needs to prevent leaks or spills.
- Spill prevention measures, such as drip pans, will be used when conducting maintenance and repair of vehicles and equipment.
- To perform emergency repairs onsite, temporary plastic will be placed beneath and, if raining, over the vehicle.
- Contaminated surfaces shall be cleaned immediately following any discharge or spill incident.

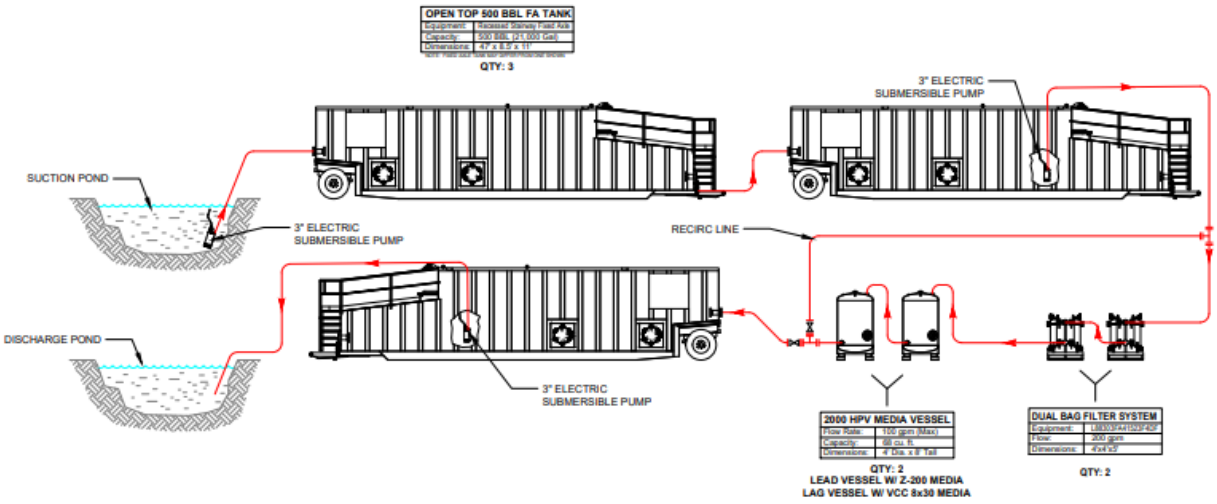
Debris and waste materials:

- Debris and waste materials will be disposed of offsite at an appropriate waste disposal facility as generated to prevent contamination of the surface water.
- All excavated soil will be field screened and either direct loaded into dump trucks for transport to an appropriate landfill facility or placed on plastic sheeting and covered with plastic sheeting on a daily basis. Any dedicated soil stockpile areas will be managed in a way to prevent contact with precipitation, surface water or groundwater. Any water coming in contact with potentially contaminated soil will be contained, tested and/or treated.

3.1.10 Element #10 – Control Dewatering

Groundwater is not expected to be encountered during construction, however if it is encountered, it will be processed using the temporary on-site water treatment system.

The temporary treatment system will consist of (3) 21,000-gallon storage tanks and (2) 1- and 10-micron bag filters and (2) 2,000lb hi pressure filters. The first two tanks will be used to store water as encountered. Water from the storage tanks will run through the two filters.. One filter will be loaded with natural zeolite and the second filter will be loaded with virgin bituminous coal activated carbon. Once water has been pumped to the third holding tank, water testing will occur prior to discharge. The system has been designed to meet the following limits: PCBs < 0.5 ug/L, lead <15 ug/L, and total suspended solids < 30 mg/L.



3.1.11 Element #11 – Maintain BMPs

All erosion and sediment control BMPs shall be maintained and repaired as needed to assure continued performance of their intended function. Maintenance and repair shall be conducted in accordance with each BMP specification.

All temporary erosion and sediment control BMPs shall be removed after the temporary BMPs are no longer needed. Trapped sediment shall be removed or stabilized onsite.

3.1.12 Element #12 – Manage the Project

The Contractor will ensure that prior to and during demolition, all BMPs developed in the CSGP SWPPP will be deployed, monitored, and adapted as needed, and that work occurs per plan, and that no areas are prematurely worked or mistakenly hardened. The CESCL must be on site or on-call 24 hours a day to respond, to assess site conditions and activities that could impact the quality of stormwater discharges, and to monitor the effectiveness of erosion and sediment control measures. All proper notifications and reporting will be completed as required.

3.1.13 Element #13 – Project Low Impact Development Practices.

- **BMP C233: Silt Fence** around the perimeter of the construction area as detailed in the Sheet 2: TESC Plan drawings.

Inspection and Monitoring

- All BMPs shall be inspected, maintained, and repaired as needed to assure continued performance of their intended function. Site inspections shall be conducted by a person who is knowledgeable in the principles and practices of erosion and sediment control. This person has the necessary skills to:

1. Assess the site conditions and construction activities that could impact the quality of storm water; and
2. Assess the effectiveness of erosion and sediment control measures used to control the quality of storm water discharges.

- A Certified Erosion and Sediment Control Lead (CESCL) shall be always onsite or on-call during the project.
- 3 Kings CESCL Information
  - Olivia Merritt
  - Certificate Number: 74396709 – Expiration 05-26-2026
  - Contact number: 360-784-2012
  - Email- Omerritt@3kingsinc.com
- Whenever inspection and/or monitoring reveals that the BMPs identified in this TESC and SWPPP are inadequate, due to the actual discharge of or potential to discharge significant amount of any pollutant, appropriate BMPs or design changes shall be implemented as soon as possible.

Maintaining an Updated Construction TESC and SWPPP

- This TESC Plan and SWPPP shall always be retained onsite or within reasonable access to the subject site.
- The TESC Plan and SWPPP shall be modified whenever there is a change in the design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to the waters of the state.
- The TESC Plan and SWPPP shall be modified if, during inspections or investigation conducted by the owner/operator, or the applicable local or state regulatory authority, it is determined that the TESC Plan and SWPPP is ineffective in eliminating or significantly minimizing pollutants in storm water discharges form the site. The TESC and SWPPP shall be modified as necessary to include additional or modified BMPs designed to correct problems identified. Revisions to the TESC Plan and SWPPP shall be completed within seven days following the inspection.

4.0 CONSTRUCTION PHASING AND BMP IMPLEMENTATION

The BMP implementation schedule is driven by the construction schedule. The following provides a sequential list of the proposed construction schedule milestones and the corresponding BMP implementation schedule. The list contains key milestones such as wet and dry season construction.

The BMP implementation schedule below is keyed to proposed phases of the construction project and reflects differences in BMP installations and inspections that relate to dry season construction. The project is located west of the Cascade Mountain Crest. As such, the dry

season is suggested from May 1 through September 30, while the west season is considered from October 1 through April 30. All work is anticipated to be conducted during both the dry and wet seasons. All preparations will be taken prior to the commencement of onsite work.

- Estimate of Construction Start Date: 06/26/2023
- Estimate of Construction Finish Date (i.e., date by which earth disturbing activities will be complete and site is stabilized): 12/22/2023
- Mobilize Equipment to Subject Site: 06/26/2023
- Mobilize and Store all ESC Products at Subject Site: 06/30/2023
- Install ESC Measures: 06/26/2023
- Install Stabilized Construction Entrance: 07/05/2023
- Complete excavation Grading 12/07/2023
- Erosion Control Measures and Demobilization: 04/01/2024

5.0 POLLUTION PREVENTION TEAM

5.1 Roles and Responsibilities

The pollution prevention team consists of personnel responsible for implementation of the TESC Plan, include the following:

- CESCL – Primary contractor contact, responsible for site inspections (BMPs, visual monitoring, sampling, etc.); to be called upon in case of failure of any ESC measures.
- Emergency DOE Contact – Individual to be contacted at DOE Office in case of an emergency.
- Emergency Owner Contact – Individual that is the site owner or representative of the site owner to be contacted in the case of an emergency.
- Non-Emergency DOE Contact – Individual to be contacted at DOE Office in case of a non-emergency situation.
- Monitoring Personnel – Personnel responsible for conducting water quality monitoring; for most sites this person is also the CESCL.

5.2 Team Members

The pollution prevention team is responsible for implementing, enforcing, maintaining, and revising the TESC Plan. The Contractor is responsible for installing and maintaining all temporary BMPs through the duration of the construction phase and responsible for removing the BMPs when they are no longer needed per the requirements in this plan.

Whenever an inspection reveals that the BMPs specified in the TESC Plan may be inadequate, due to the actual or potential discharge of a significant amount of any pollutant, the CESCL's lead inspector shall modify the TESC Plan as appropriate. Both the CESCL and the TESC Plan leads shall have the training and certification to administer active and effective construction site erosion and spill control program. If qualified, one person may be designated as both the CESCL and TESC Plan/SWPPP lead.

Names and contact information for those identified as members of the Pollution Prevention Team are provided in the following table:

Table 5.2 – Construction Pollution Prevention Team Members

Title	Name	Phone Number
CESCL	Olivia Merritt	(360) 784-2012
City of Anacortes Emergency Site Contact	Brian McDaniel	(360) 299-1971
Emergency 3 Kings Contact	Jason Hawks	(360) 949-5822
Monitoring Personnel	Olivia Merritt	(360) 784-2012

6.0 SITE INSPECTIONS AND MONITORING

Monitoring includes visual inspection and documentation of the inspection and monitoring findings in a site logbook. A site logbook will be maintained for all onsite construction activities and will include:

- A record of the implementation of the TESC Plan and other permit requirements; and
- Site inspections; and
- On-going summary of water treatment system test results
- Storm water quality monitoring.

For convenience, the inspection form and water quality monitoring forms included in this TESC Plan include the required information for the site logbook. This TESC Plan may function as the site logbook if desired, or the forms may be separated and included in a separate site logbook. However, if separated, the site logbook must be maintained onsite or within reasonable access to the site and be made available upon request to DOE or the local jurisdiction.

6.1 Site Inspections

All BMPs will be inspected, maintained, and repaired as needed to assure continued performance of their intended function. The inspector will be a CESCL per BMP C160. The name and contact information for the CESCL is provided in Table 5.2 of this TESC Plan.

Site inspection will occur in all areas disturbed by construction activities and at all stormwater discharge points. Stormwater will be examined for the presence of suspended sediment, turbidity, discoloration, and oily sheen. The site inspector will evaluate and document the effectiveness of the installed BMPs and determine if it is necessary to repair or replace any of the BMPs to improve the quality of storm water discharges. All maintenance and repairs will be documented in the site logbook or forms provided with this document. All new BMPs or design changes will be documented in the TESC Plan as soon as possible.

6.1.1 Site Inspection Frequency

Site inspections will be conducted as detailed in Section 3.1.12.

6.1.2 Site Inspection Documentation

The site inspector will record each site inspection using the site log inspection forms provided in Appendix E. The site inspection log forms may be separated from this TESC Plan but will be maintained onsite or within reasonable access to the site and be made available upon request to DOE or the local jurisdiction.

6.2 Storm Water Quality Monitoring

Stormwater that comes in contact with PCB-impacted soils and building materials will either infiltrate or be collected and treated on site. In the event that a potential discharge associated with emergency overflow occurs, water quality will be monitored and recorded in the weekly inspection forms. If at any time pH levels or turbidity become a concern, the proper notification will be sent to the property owner and the DOE as required.

3 Kings will have a large capacity temporary water treatment system onsite throughout the duration of the project. The temporary treatment system will consist of (3) 21,000-gallon storage tanks and (2) 1- and 10-micron bag filters and (2) 2,000lb hi pressure filters. The first two tanks will be used to store water as encountered. Water from the storage tanks will run through the two filters.. One filter will be loaded with natural zeolite and the second filter will be loaded with virgin bituminous coal activated carbon. Once water has been pumped to the third holding tank, water testing will occur prior to discharge. The system has been designed to meet the following limits: PCBs < 0.5 ug/L, lead <15 ug/L, and total suspended solids < 30 mg/L. This system will have the ability to maintain approximately 50,000 gallons of water; however, 3 Kings is estimating total water discharges to remain below 30,000 gallons.

Any stormwaters that are captured within the building footprint will be cleaned up using a HEPA Vac system and processed through the water filtration tanks that will be utilized onsite. If by chance, there is a large enough event that water is sheeting during the excavation of the PCB soils multiple BMP's will be in place to prevent contamination of the storm drain systems and

the areas under excavation will be covered and a stop work will continue until the rain/storm event has subsided preventing any additional contamination to areas of concern.

7.0 REPORTING AND RECORDKEEPING

7.1 Record Keeping

7.1.1 Site Logbook

A site logbook will be maintained for all onsite construction activities, and will include:

- A record of the implementation of the TESC Plan and SWPPP and other permit requirements; and
- Site inspections; and
- On-going summary of water treatment system test results
- Storm water quality monitoring.

For convenience, the inspection form and water quality monitoring forms included in this TESC and SWPPP include the required information for the site logbook.

7.1.2 Records Retention

Records of all monitoring information (site logbook, inspection reports/checklists, etc.), this SWPPP, and any other documentation of compliance with permit requirements will be retained during the life of the construction project and for a minimum of five years following the termination of permit coverage in accordance with permit condition.

7.1.3 Access to Plans and Records

The TESC Plan and SWPPP, General Permit, Notice of Authorization letter, and Site Logbook will be retained onsite or within reasonable access to the site and will be made immediately available upon request to DOE or local jurisdiction. A copy of this TESC Plan and SWPPP will be provided to DOE within 14 days of receipt of a written request for the TESC Plan and SWPPP from DOE. Any other information requested by DOE will be submitted within a reasonable time. A copy of the TESC Plan and SWPPP or access to the TESC Plan and SWPPP will be provided to the public when requested in writing in accordance with permit condition.

7.1.4 Updating TESC Plan and SWPPP

In accordance with permit conditions, this TESC Plan and SWPPP will be modified if the TESC Plan and SWPPP is ineffective in eliminating or significantly minimizing pollutants in storm water discharges from the subject site or there has been a change in design, construction, operation, or maintenance at the subject site that has a significant effect on the discharge, or potential for discharge, of pollutants to the water of the State. The TESC Plan and SWPPP will

be modified within seven days of determination based on inspection(s) that additional or modified BMPs are necessary to correct the problems identified, and an updated timeline for BMP implementation will be prepared.

7.2 Reporting

7.2.1 Discharge Monitoring Reports

DMRs will be submitted to DOE once a month via the DOE online WQ WEB PORTAL. If there is no discharge during a given monitoring period, "No Discharge" will be entered in the place of monitoring results. The DMR due date is 15 days following the end of each month.

7.2.2 Notification of Noncompliance

If any of the terms and conditions of the permit are not met, and it causes a threat to human health of the environment, the following steps will be taken:

1. DOE will be immediately notified of the failure to comply.
2. Immediate action will be taken to control the noncompliance issue and to correct the problem. If applicable, sampling and analysis of any noncompliance will be repeated immediately and the results submitted to DOE within five days, unless requested earlier by DOE.
3. A detailed written report describing the noncompliance will be submitted to DOE within five days, unless requested earlier by DOE.

APPENDIX A

TESC PLANS

TEMPORARY EROSION SEDIMENT CONTROL PLAN NARRATIVE

City of Anacortes
Former water Treatment Facility Demolition

14489 River Bend Road, Mount Vernon, WA, 98273
3 Kings Project Number: 223060

June 26, 2023

Prepared by:

15001 NE 10th Ave.
Vancouver, WA 98685
Phone: (360) 666-5464 Fax: (360) 666-8202
www.3kingsenvironmental.com

PROJECT INFORMATION

Project name: Former Water Treatment Facility Demolition
Location: 14489 River Bend Road, Mount Vernon, WA 98273
Transfer of Coverage: Permittee: 3 Kings Environmental, Inc. Contractor to City of Anacortes
Total disturbed acreage identified in the Notice of Intent (NOI): Less than 5 Acres.
Existing contamination identified in the NOI: Yes
CESCL: Olivia Merritt | Certification No. 74396709 Expires 05/26/2026 | Contact: 360-784-2012

Permitted construction outfalls identified in the NOI:

No direct discharges to surface water are anticipated. All water is expected to either infiltrate or be captured and treated.	

Waterbody impairments or approved TMDLs applicable to construction outfalls: *No*

CONSTRUCTION SCHEDULE

Anticipated work activities to occur June 26, 2023, to December 22, 2023. Work is anticipated to occur over a six-month period. Construction work includes:

- Abatement of Asbestos/PCB containing materials in buildings
- Demolition of onsite structure(s) and slab
- Removal and off-site disposal of approximately 260 cubic yards of PCB-containing Soils from the upper 1 foot below the existing ground surface
- Crushing and Onsite Stockpiling of clean concrete
- Final Grading
- Removal of TESC and Demobilization

EXISTING SITE CONDITIONS

The project site is approximately 22.5 acres. It is located in Mount Vernon, WA and zoned as agricultural land. The total disturbed acreage of the site is estimated at 1.68 acres. The site is mainly hardscaping.

Soils

- Soil is a silty fine-grained sand to approximately 25ft.
- No groundwater anticipated to be within 12-15 feet of ground surfaces.

Climate

- Site located west of Cascade Range

- Estimated annual precipitation of 76 inches.

Topography

- Site located in an agricultural area.
- Site fairly level within 100 feet of structure(s) Sloping occurs at a 40% grade near the site perimeter.

Vegetation

- Site located in agricultural area.
- Vegetation limited to grass throughout facility bordering structures there are deciduous trees located throughout the property with basic non-invasive shrubbery not bordering working areas.

Drainage

- No apparent infiltration system.
- Site utilizes normal infiltration.
- The stormwaters infiltrate the site and dissipate before any collections or puddling could occur.

Groundwater

- No Groundwater expected to be encountered, however in previous studies groundwater can be found at depths located approximately 12-15 feet below the ground surface.
- Eleven (11) Groundwater monitoring wells are to be decommissioned prior to commencement of abatement or demolition. Three (3) groundwater monitoring wells will remain on the remaining non disturbed acreage.

Existing Encumbrances

- Onsite structure(s) slab to be demolished.

High Risk Activities and Potential Problem Areas

- Demolition of structure(s)
- Removal of PCB containing materials
- Concrete Crushing and Stockpiling Onsite in Owner approved locations.

Engineering Calculations

- No surface flow anticipated.

13 PLANNING ELEMENTS

Element 1: Preserve Vegetation/Mark Clearing Limits

Risk Analysis:

- Clearing limits will be limited to structure, and soils approximately 12” below surface and nearing perimeter.

BMPs:

- Inlet Protection/Filtration
- Sediment Fencing
- Straw Waddles
- Dust Control
- Geotextile Membrane Woven/Non-Woven
- Sandbags

Element 2: Establish Construction Access

Risk Analysis:

- Site located in agricultural area with a hardscape surface, with surrounding vegetation.
- Site located along asphalt roadway (ie. River Bend Road)
- Exposed sediment/surface material located off driveway, use caution tracking onto gravel.

BMPs:

- Parking/staging area stabilization
- Construction Entrance
- Street cleaning, if required

Element 3: Control Flow Rates

Risk Analysis:

- No discharge points observed onsite.
- No outfalls or stormwater management system effluent
- No overland flow anticipated (immediate infiltration anticipated)

BMPs:

- Straw wattles
- Vegetated strip

Element 4: Install Sediment Controls

Risk Analysis:

- Prevent exposed sediment from migrating offsite.

BMPs:

- Inlet Protection & Filtration
- Diversion Check Dams
- Street Cleaning
- Preserving Natural Vegetation
- Vegetated Strip

Element 5: Stabilize Soils

Risk Analysis:

- Soils consist of silty fine-grained sand (approximately 25ft below surface)
- Limit migration of soils from equipment and personnel

BMPs:

- Dust control

Element 6: Protect Slopes

Risk Analysis:

- Slopes will be protected with Straw wattles and sand bags to allow water to infiltrate the sandy soils.

BMPs:

- Sediment fencing will boarder between the project site and the slopes.
- Straw waddles will boarder the sediment fencing.

Element 7: Protect Drain Inlets

Risk Analysis:

- Prevent debris from entering storm drains.

BMPs:

- Catch Basin Inserts
- Drain Diversion Sandbags
- Diversion Check Dams

Element 8: Stabilize Channels and Outlets

Risk Analysis:

- No impacted onsite channels or outlets

BMPs:

- None

Element 9: Control Pollutants

Risk Analysis:

- Vehicle and equipment fueling should be performed in dedicated areas.
- Dust control while removing PBC Paints and Soils
- All excavated soil will be field screened and either directly loaded into dump trucks for transport to an appropriate landfill facility or placed on plastic sheeting and covered with plastic sheeting daily. Any dedicated soil stockpile areas will be managed in a way to prevent contact with precipitation, surface water or groundwater. Any water encountering potentially contaminated soil will be contained, tested and/or treated.

BMPs:

- Maintain spill control and response kit.
- Using specified dust control methods.

Element 10: Control Dewatering

Risk Analysis:

- Dewatering not anticipated
- If encountered see below

BMPs:

Groundwater is not expected to be encountered during construction, however if it is found proper dewatering techniques will be performed to eliminate possible contamination with PCB containing materials. Upon mobilization to the site (2) 21,000-gallon storage tanks will be installed. Those two tanks will be used to store water as encountered. The water collected will then be pumped to a third clean tank for final testing. Water from the storage tanks will run through (2) 1- and 10-micron bag filters and (2) 2,000lb hi pressure filters. One filter will be loaded with natural zeolite and the second filter will be loaded with virgin bituminous coal activated carbon. Once water has been pumped to the third holding tank, water testing will occur prior to discharge.

Element 11: Maintain BMPs

Risk Analysis:

- Inspect onsite TESC devices regularly, and after rain events.
- Inspect site entrance daily to determine if track off occurring, clean accordingly.

BMPs:

- Materials on hand
- Site inspections
- Maintenance for BMPs to maintain effectiveness.

Element 12: Manage the Project

Risk Analysis:

- Sequence work to prevent crowding onsite.
- Careful and deliberate actions to minimize cross-contamination and track off.

BMPs:

- Materials on hand
- Scheduling and coordinating work activity.

Element 13: Protect Low Impact Development (LID) Facilities

Risk Analysis:

- No LID Facilities will be impacted by the work activities. BMP’s will be in place as a preventative measure as in the plans and specifications.

BMPs:

- Sediment Fencing
- Straw waddles
- Natural site infiltration

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2505 Frank Albert Rd., Building #2, Suite 111, Fife, WA 98424 253-922-6641 800-991-6641 Fax: 253-922-6642

ACF West
Supported Silt Fence

Description: **ACF West "Supported" Silt Fence, ACF-WB-48 uses a woven fabric attached with steel hog rings to galvanized steel support mesh. It is available in standard Black or Hi-Vis Orange color.**

Roll size: **48" fabric w/36" support mesh x 100 lineal foot.**

Fabric: **The fabric, Link Bridge LB1205F, is a woven network of polypropylene fibers, stabilized to resist degradation due to ultraviolet exposure, and resistant to commonly encountered soil chemicals, mildew and insects. It is non-biodegradable and is stable within a ph range of 2-13. Manufactured for ACF West Inc. by Link Bridge, Sungdong-Gu, Seoul, Korea. The fabric meets the following minimum average roll values (MARV):**

Property	Test Method	Minimum Average Roll Value (MARV)
Grab Tensile Strength	ASTM D-4632	124 lb x 124lb
Grab Elongation (%)	ASTM D-4632	15% x 15%
Trapezoidal Tear	ASTM D-4533	70 lb
UV Resistance	ASTM D-4751	70% Strength Retained @ 500hr
Permittivity	ASTM D-4491	0.1 Sec^{-1}
Flow Rate	ASTM D-4491	10 $gal/min/ft^2$
Apparent Opening Size (AOS)	ASTM D-4751	40 sieve

Support Mesh: **Galvanized utility mesh, 4" x 2" opening, 36" height, 100' length**

The information presented herein, while not guaranteed, is to the best of our knowledge true and accurate. Except when agreed to in writing for specific conditions of use, no warranty or guarantee expressed or implied is made regarding the performance of any product, since the manner of use and handling are beyond our control. Nothing contained herein is to be construed as permission or a recommendation to infringe any patent.

ACF West, Inc. is a D.B.A. name for N.W. Geosynthetics, Inc.
8951 S.E. 76th Drive, Portland, OR 97206 503-771-5115 800-878-5115 Fax: 503-771-1161

ACF 20 Membrane

Woven HDPE Polyolefin Fabric with LDPE Coatings

As manufactured by Matai USA, Inc. - Springfield, OH

PROPERTY	TEST METHOD	VALUES
Construction	12 x 12 1800 Denier HDPE Tapes	
Weight (per sq.yd.)	ASTM D 1910	10 oz.
Total Thickness (mils.)	N/A	20 mil
Coating Thickness (mils)		2.5 mil
Tensile Strength (Grab Method) Warp	ASTM D-751	325 lbs.
Weft	ASTM D-751	300 lbs.
Elongation to Break	N/A	29 -32 %
Tear Strength (Tongue Method) Warp	ASTM 2261-96	103 lbs/inch
Weft	ASTM 2261-96	81 lbs/inch
Burst Strength (Mullen)	ASTM D-751	603 psi.
Hydrostatic Resistance	ASTM D-751A	573 psi.
Puncture Resistance	ASTM D-751	590 psi.
Moisture Vapor Transmission	ASTM E-96 B	0.5439 g/M2/24 hrs.
Low Temperature Cold Crack	ASTM D-2136	-60 Deg. F.
Flex/Abrasion	ASTM D-3885	No damage to scrim after 2800 cycles, Black coatings worn away
Dimensional Stability@212F/HR	ASTM D-1204	@Edge: Warp -9.3 Weft -7.7 @Center: Warp -7.6 Weft -6.4
Carbon Black Content		>2.4%
Carbon Black Dispersion		A-2
UV Accelerated Wathering	ASTM G154-98	>95% retained after 2000hr
Oil Resistance	ASTM D471	98% retained after 30 days @ 73deg F.

07/01

SOLMAX

Technical data sheet

HDPE 7000 Series, 40 mil Black, Single Sided Textured

PROPERTY	TEST METHOD	FREQUENCY(1)	UNIT Imperial	1102194
SPECIFICATIONS				
Thickness (Nominal ±10%) (11)	ASTM D5994	Every roll	mils	40
Asperity Height (min. avg.) (3)	ASTM D7466	Every roll	mils	16
Textured side		-		Bottom
Resin Density	ASTM D1505	Certified	g/cc	> 0.932
Melt Index - 190/2.16 (max.)	ASTM D1238	Certified	g/10 min	1.0
Sheet Density	ASTM D792	1/Batch	g/cc	≥ 0.940
Carbon Black Content	ASTM D4218	Every 2 rolls	%	2.0 - 3.0
Carbon Black Dispersion	ASTM D5596	Every 10 rolls	Category	Cat. 1 & Cat. 2
OIT - standard (avg.)	ASTM D3895	Per formulation	min	100
Tensile Properties (min. avg) (2)	ASTM D6693	Every 5 rolls		
Strength at Yield			ppi	84
Elongation at Yield			%	12
Strength at Break			ppi	60
Elongation at Break			%	100
Tear Resistance (min. avg.)	ASTM D1004	Every 10 rolls	lbf	28
Puncture Resistance (min. avg.)	ASTM D4833	Every 10 rolls	lbf	60
Dimensional Stability	ASTM D1204	Certified	%	± 2
Stress Crack Resistance (SP-NCTL)	ASTM D5397	1/Batch	hr	500
Oven Aging - % retained after 90 days	ASTM D5721	Per formulation		
HP OIT (min. avg.)	ASTM D5885		%	80
UV Res. - % retained after 1600 hr	ASTM D7238	Per formulation		
HP-OIT (min. avg.)	ASTM D5885		%	50
SUPPLY SPECIFICATIONS(Roll dimensions may vary ±1%)				
Roll Dimension - Width	-		ft	22.5
Roll Dimension - Length	-		ft	800
Area (Surface/Roll)	-		ft^2	18000

NOTES

1. Testing frequency based on standard roll dimensions and one batch is approximately180,000 lbs (or one railcar).
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.
3. Lowest individual and 8 out of 10 readings as per GRI-GM13 / 17, latest version.
11. The minimum average thickness is ± 10% of the nominal value.

* All values are nominal test results, except when specified as minimum or maximum.
* The information contained herein is provided for reference purposes only and is not intended as a warranty of guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.

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Revision date: 02-Mar-2016

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15540 Woodinville-Redmond Rd., Bldg. A #400, Woodinville, WA 98124 425-415-6115 800-423-4567 Fax: 425-415-6126

Steel Fence Post

Specifications

Size: **5' length & 6' length**
Weight: **.95 lb/ft (nominal)**
Coating: **Enamel paint, Green**
Material: **Manufactured from 100% recycled steel** (imported)
Type: **Studded "T" post cross section w/riveted anchor plate**

Uses

Suitable for livestock penning, erosion control fencing, construction site barrier fences and a host of staking and fencing applications.

Imported by ACF West Inc. from:

Dezhou Hualude Hardware
Dezhou Shandong, China

TENCATE GEOSYNTHETICS
Americas

Mirafi® 1120N

Mirafi® 1120N is a needlepunched nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Mirafi® 1120N is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

TenCate Geosynthetics Americas Laboratories are Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D4632	lbs (N)	300 (1335)	300 (1335)
Grab Tensile Elongation	ASTM D4632	%	50	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	115 (512)	115 (512)
CBR Puncture Strength	ASTM D6241	lbs (N)	800 (3560)	
			Maximum Opening Size	
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)	
			Minimum Roll Value	
Permittivity	ASTM D4491	sec^{-1}	0.8	
Flow Rate	ASTM D4491	$gal/min/ft^2$ ($l/min/m^2$)	65 (2648)	
			Minimum Test Value	
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70	

Physical Properties	Unit	Roll Size
Roll Dimensions (width x length)	ft (m)	15 x 300 (4.57 x 91.4)
Roll Area	yd^2 (m^2)	500 (418)

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FGS000357
ETQR29

GAI-LAP-25-97

ULTRATECH INTERNATIONAL, INC.

Ultra-Drain Guards® Specifications

Material Specifications

Properties	ASTM Test	Value
Material: Non-woven, Polypropylene Geotextile		
Grab Tensile	D 4632	205 lbs
Elongation	D 4632	50%
Trapezoid Tear	D 4533	80 lbs
Puncture	D 4833	525 lbs
CBR Puncture	D 6241	600 lbs
Mullen Burst	D 3786	420 psi
Permittivity	D 4491	1.5 sec^{-1}
A.O.S. (U.S. sieve no.) / Microns	D 4751	80 / 180
UV Stability (strength retained %) 500 hrs	D 4355	70%
Fabric Weight (oz/yd2) (typical)	D 5261	8 oz/yd^2
Flow (through material)	D 4491	90 gpm/ft^2
Flow (bypass ports gpm) *		770 gpm
Flow (bypass ports cfs) *		1.7 cfs
* Larger bypass flow rate designs are available		

Unit Specifications

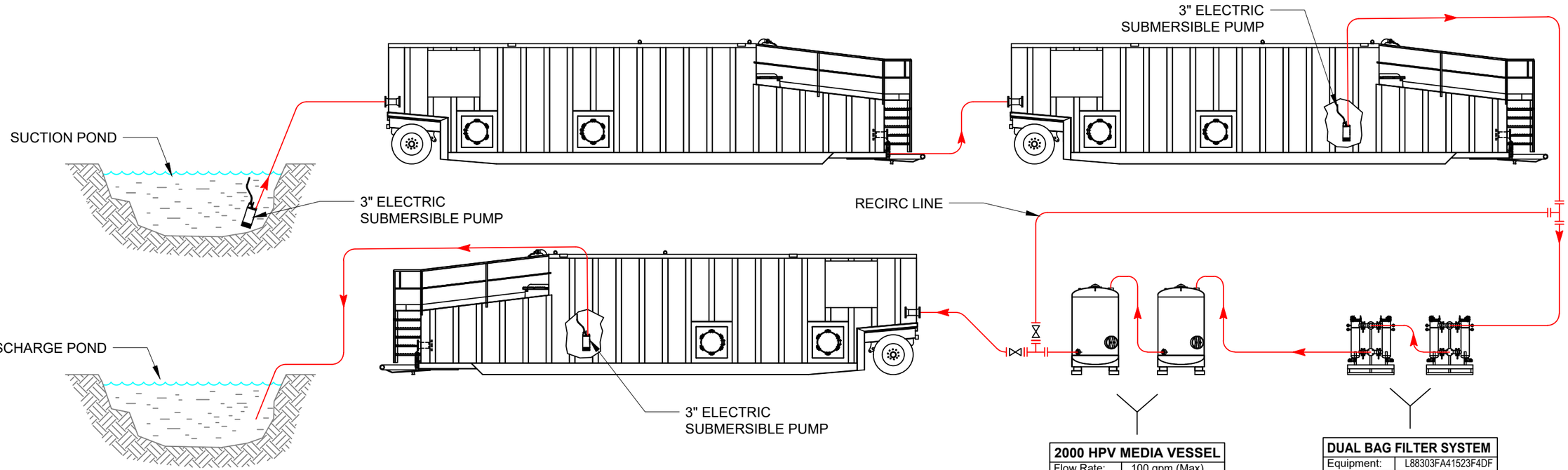
Model	Oil Capture (Gal)	Sediment Capture (lbs)	Collection Area (dia x depth)	Flow Rate (gpm)	Dimensions
Oil & Sediment[2] Part # 9217/9218	.87	40	10" x 18"	500	48" x 36" x 18"
Oil & Sediment[2] Part # 9356	1.55	40	10" x 18"	900	60" x 60" x 18"
Oil & Sediment Plus[2] Part # 9219	1.38	40	10" x 18"	500	48" x 36" x 18"
Oil & Sediment Plus[2] Part # 9358	2.06	40	10" x 18"	900	60" x 60" x 18"
Trash & Debris Part # 9227	----	40	10" x 18"	500	48" x 36" x 18"
Ultimate[3] Part # 9376	1.57	40	10" x 18"	500	48" x 36" x 38"
High Capacity Part # 9393	1.9	300	24" x 24"	1000	60" x 60" x 24"
Adjustable Frame Model Part# 8930	1.26	40	10" x 18"	500	Varies

UltraTech International, Inc. · 11542 Davis Creek Court, Jacksonville, Florida 32256 USA
(800) 353-1611 · 1-904-292-1611 · stormwaterproducts.com

OPEN TOP 500 BBL FA TANK	
Equipment:	Recessed Stairway Fixed Axle
Capacity:	500 BBL (21,000 Gal)
Dimensions:	47' x 8.5' x 11'

NOTE: FIXED AXLE TANK MAY DIFFER FROM ONE SHOWN

QTY: 3



2000 HPV MEDIA VESSEL	
Flow Rate:	100 gpm (Max)
Capacity:	68 cu. ft.
Dimensions:	4' Dia. x 8' Tall

QTY: 2
LEAD VESSEL W/ Z-200 MEDIA
LAG VESSEL W/ VCC 8x30 MEDIA

DUAL BAG FILTER SYSTEM	
Equipment:	L88303FA41523F4DF
Flow:	200 gpm
Dimensions:	4'x4'x5'

QTY: 2

The information presented on this drawing is for informational purposes only. Use of this drawing is not a replacement for a professional engineering evaluation of the application. This drawing is intended to show preliminary equipment requirements and arrangement and is in no way a replacement for a thorough engineering review of the application at hand. A representative of the customer or end user should always conduct the final evaluation of the application. That representative, and not United Rentals, or its employees and representatives, is responsible for the final engineering design and performance of the application.

No warranty is provided or implied, including any warranty of fitness for a particular purpose. As such, the customer agrees that by using the suggestions shown on this drawing, you assume the risk of all loss or injury resulting from any information found within. In no event shall United Rentals, or any representative or agent thereof, be liable under any theory based in contract, negligence or strict liability or any other legal or equitable theory to any party for amounts including, without limitation, lost revenues, lost profits, lost business or indirect, consequential, incidental, special or punitive damages. This disclaimer shall survive any and all notices advising of the possibility that any user may suffer harm from any inaccuracies contained herein.

The designs, information and data contained herein is proprietary and is submitted in confidence and shall not be disclosed, used or duplicated in whole or in part for any purposes whatsoever without prior written permission from United Rentals. This document shall be returned to United Rentals on its demand. Receipt of this document shall be deemed to be an acceptance of the conditions specified herein.

SHEET SIZE:	MATERIAL:
B 11" x 17"	FINISH:

United Rentals Fluid Solutions
7B OAK BRANCH DRIVE
GREENSBORO, NC 27404

TITLE: **MT VERNON WWTF**
PROCESS FLOW DIAGRAM

CUSTOMER: 3 KINGS ENVIRONMENTAL				BRANCH: BOS	
DWG BY: J. OWEN	DATE: 06-22-23	SCALE: -		SHEET: 1	OF: 1
CKD BY: M. MEDCALF	DATE: 06-22-23	DWG No: **SKF7883**		REV: -	

APPENDIX B

SITE LOG AND INSPECTION FORMS

Construction Stormwater Site Inspection Form

Project Name Former Water Treatment Facility Demolition Permit # _____ Inspection Date _____ Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Olivia Merritt

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear ☐ Cloud ☐ Misty ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☐ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☐	Clearing/Demo/Grading	☐	Infrastructure/storm/roads	☐
Concrete pours	☐	Vertical Construction/buildings	☐	Utilities	☐
Offsite improvements	☐	Site temporary stabilized	☐	Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected? Yes ___ No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen Yes ___ No ___
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*) Yes ___ No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?* Yes ___ No ___
5. If yes to #4 was it reported to Ecology? Yes ___ No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5. Yes ___ No ___

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)						
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?						
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.						
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?						
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?						
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).						
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.						
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.						
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?						

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?						
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?						
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?						
	Is off-site storm water managed separately from stormwater generated on the site?						
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?						
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?						
7 Drain Inlets	Storm drain inlets made operable during construction are protected.						
	Are existing storm drains within the influence of the project protected?						
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?						
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?						
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?						
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?						
	Has secondary containment been provided capable of containing 110% of the volume?						
	Were contaminated surfaces cleaned immediately after a spill incident?						
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?						

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.						
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.						
	Dewatering has been done to an approved source and in compliance with the SWPPP.						
	Were there any clean non turbid dewatering discharges?						
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?						
12 Manage the Project	Has the project been phased to the maximum degree practicable?						
	Has regular inspection, monitoring and maintenance been performed as required by the permit?						
	Has the SWPPP been updated, implemented and records maintained?						
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?						
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?						
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.						
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?						
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.						

E. Check all areas that have been inspected. ✔

All in place BMPs ☐ All disturbed soils ☐ All concrete wash out area ☐ All material storage areas ☐
All discharge locations ☐ All equipment storage areas ☐ All construction entrances/exits ☐

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Olivia Merritt (Signature) _____ Date: _____

Title/Qualification of Inspector: Project Engineer/ CESCL

APPENDIX C

CESCL Certification

CERTIFICATE

OF COMPLETION

This certificate is awarded to

Olivia Merritt

CWTA- 74396709

CWT Training Academy certifies that the above learner has completed the necessary requirements to earn full certification in the following:

WA CESCL Certification

EXP. DATE: May 26, 2026

CWT Training Academy

PDHs: Full Certification = 14 Re-Certification = 8

Appendix C
Pre-Demolition Checklists

Section 02 41 00A - Attachment A
Pre-Demolition Checklist

Structure: Sed Basin Date Form Completed: 8/15/2023
Form Completed By: Alex Blachura / Anchor QEA

Task	Completion Status		
	Yes	NA	Comments
Pre-Demolition Activities			
Residuals removed from floor drains, trench drains and sumps for off-site disposal as appropriate	✓		Drains cleaned + capped
Residuals or media removed	✓		To be removed w/ demo
Equipment removed	✓		Oil needs removed
All loose paint has been removed and segregated for off-site disposal as appropriate	✓		Radings as they go
Pre-demolition cleaning completed		✓	residuals removed w/ demo
Light fixtures (bulbs/ballasts)	✓		
Electrical waste	✓		

Visual Review of Area and Acknowledgement of Checklist Items Performed/Completed as Applicable

Company/Name/Date	Anchor QEA/Alex Blachura 8/15/2023	Company/Name/Date	
Company/Name/Date	Anchor QEA/Doug Mussa 8/15/2023	Company/Name/Date	
Company/Name/Date	3Kings/Steve Crouse 8-15-2023	Company/Name/Date	
Company/Name/Date	3Kings/Thomas King 8-15-2023	Company/Name/Date	
Company/Name/Date		Company/Name/Date	
Company/Name/Date	Anchor QEA/Alex Blachura 9/13/23	Company/Name/Date	
Company/Name/Date	Thomas V. King 9-13-23	Company/Name/Date	
Company/Name/Date		Company/Name/Date	

Comments/Notes

Demo to start on South side of basin as few remaining items on North side (lights/e-waste/oils) are being addressed. Demo to begin 8/16 on South bays.

9/13/23 - Amended profile to dispose of painted metal w/ demo debris
Other outstanding tasks completed

Section 02 41 00B - Attachment B
Utility Disconnection Checklist

Building: Sed Basin
Date Form Completed: 8/15/2023
Form Completed By: Alex Bleithner / Anchor QEA

Task	Status		
	Disconnection Confirmed	Protection in Place	Comments
Utilities			
Overhead Electric			N/A
Underground Electric	✓		Facility disconnected
Natural Gas			N/A
City Water (Disconnection in Structure, if applicable, and Adjacent Shutoff Valves Protected)			None on Sed Basin
Fire Protection (Disconnection in Structure, if applicable, and Adjacent Shutoff Valves Protected)			N/A
Sanitary Sewer (Disconnection in Structure, if applicable)			N/A

Visual Review of Area and Acknowledgement of Checklist Items Performed/Completed as Applicable

Company/Name/Date	Anchor QEA / Alex Bleithner 8/15/2023	Company/Name/Date	
Company/Name/Date	Anchor QEA / Doug Musser 8/15/2023	Company/Name/Date	
Company/Name/Date	3 Kings / Steve Crowe 8-15-2023	Company/Name/Date	
Company/Name/Date	3 Kings / Thomas King 8-15-2023	Company/Name/Date	
Company/Name/Date		Company/Name/Date	
Company/Name/Date		Company/Name/Date	
Company/Name/Date		Company/Name/Date	
Company/Name/Date		Company/Name/Date	

Comments/Notes

Section 02 41 00A - Attachment A
Pre-Demolition Checklist

Building Floor Filtration Basin / Admin Bldg **Date Form Completed** 11/1/23
Form Completed By A Blackmer (AA)

Task	Completion Status		
	Yes	NA	Comments
Pre-Demolition Activities			
ACMs have been verified to be abated and removed by competent parties	✓		
Residuals removed from floor drains, trench drains and sumps for off-site disposal as appropriate	✓		
Residuals removed from clearwell		✓	Removed w/ demo
Lamps/bulbs removed (fluorescent, HID, mercury-type)	✓		
Light ballasts removed	✓		
Mercury-containing devices removed (switches, thermostats, gauges)	✓		
Electronic wastes removed	✓		
Batteries removed	✓		
CFCs drained/removed	✓		
Miscellaneous containerized chemicals removed	✓		
Fire extinguishers removed	✓		
Oil removed from remaining items as appropriate	✓		
Equipment removed		✓	Removed w/ demo
All loose paint has been removed and segregated for off-site disposal as appropriate	✓		
Pre-demolition cleaning completed	✓		To extent required (clearwell)
Process piping removed + residuals containerized	✓		

Visual Review of Area and Acknowledgement of Checklist Items Performed/Completed as Applicable

Company/Name/Date	Anchor QEA/Aery Blue	~~Company/Name~~/Date	11/1/23
Company/Name/Date	Thomas King 3 Kings	~~Company/Name~~/Date	11-1-23
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	

Comments/Notes

Section 02 41 00B - Attachment B
Utility Disconnection Checklist

Building: Filtration Basin/Admin Bldg
Date Form Completed: 11/1/23
Form Completed By: A Blackmer (AQ)

Task	Status		
	Disconnection Confirmed	Protection in Place	Comments
Utilities			
Overhead Electric	—	—	
Underground Electric	✓		Air gap @ NW corner Temp disconnect on HSP
Natural Gas	—	—	None
City Water (Disconnection in Structure, if applicable, and Adjacent Shutoff Valves Protected)	✓		City disconnected + verified. Tap was provided by finished water.
Fire Protection (Disconnection in Structure, if applicable, and Adjacent Shutoff Valves Protected)	—	—	None
Sanitary Sewer (Disconnection in Structure, if applicable)	✓		
Communication Lines	✓		Previously disconnected

Visual Review of Area and Acknowledgement of Checklist Items Performed/Completed as Applicable

Company/Name/Date	Anchor QEA/Alex Blackmer	~~Company/Name~~/Date	11/1/23
Company/Name/Date	3-Kings Thomas King	~~Company/Name~~/Date	11-1-23
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	
Company/Name/Date		~~Company/Name~~/Date	

Comments/Notes

Pre-Demolition Engineering Survey

Structure Filtration Basin/Admin Bldg **Date Form Completed** 11/1/23

Form Completed By (Competent Person) A Bleichner (AQ), T King (3K), S Crowe (3K)

Task	Completion Status			
	Good	Fair	Poor	Comments
Structural				
		Yes	No	
Was the structure damaged by fire, flood, or explosion?			✓	
Is the structure or any structural component in danger of unplanned collapse?			✓	
Have structural demolition plan and sequencing been prepared and/or reviewed by a competent person?			✓	
Does the structure require shoring and/or bracing?			✓	
Will cranes, derrickes, and/or other hoisting equipment be used?			✓	
If yes: will the crane, derrick and othr hoisting equipment operations comply with Subpart N of the OSHA Standards (1926.551 through 1926.555)?				
Structure #1 (Filtration Basin)	Good	Fair	Poor	
Framing condition				
Walls condition	✓			
Floors condition	✓			
Roof condition				
		Yes	No	
Pre-demolition visible conditions documented?		✓		
Are utility protections required?		✓		Installed steel plates
Structure #2 (Admin Building)	Good	Fair	Poor	
Framing condition				
Walls condition	✓			
Floors condition	✓			
Roof condition	✓			
		Yes	No	
Pre-demolition visible conditions documented?		✓		
Are utility portections required?		✓		
Does the demolition have the potential to affect remaining structures?		✓		Installed protective barrier (scaffolding)

Signature

Competent Person Name	Company	Date	Signature
	3 Kings	11-1-23	Thomas King

Comments/Notes:

Comments/Notes

Reviewed and filled out with Alex Bleichner / Anchor QEA.

Satisfies requirements of 40 CFR 1926, Part T (subpart 852)

Appendix D
Construction Reports

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 07/10/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
54°	59°	66°
Overcast	Overcast	Overcast
Wind: 6 MPH | Precipitation: .0" | Humidity: 94%	Wind: 8 MPH | Precipitation: .0" | Humidity: 84%	Wind: 8 MPH | Precipitation: .0" | Humidity: 66%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Project Superintendent) Jason Hawks (Project Manager) Steve Crowe (Supervisor) X Operators X Laborers	0	0	**0**
3 Kings Equipment	Excavators: Other: 1 Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 1300 - Anchor on-site to check progress. 3Kings equipment trailer delivered. Some electric lines laid out. Generally no changes.

2. 0615 - Anchor on-site.

3. 0645 - 3Kings on site. Tom King says the plan for the day is to have the electrician come and also get some supplies delivered. Still trying to figure out the Internet.
4. 1330 - Anchor, Brian, Fred, and Tom and Steve Crowe from 3Kings have a discussion on the requirements for covering grates in the active water treatment plant.
5. 1412 - porta potty's delivered and set up.

6. 0700 - Anchor offsite to go work with internet connection. Will return later to check in on things.
7. 1530 - Anchor takes call discussing demo and site construction plan from apartment office.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	- Supply trailer - porta pottys
6. Requests for Information	☐	☐	☑	- 3Kings request quick turn on review of silt fence materials.
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	

9. Lab Samples Collected	☐	☑	☐
10. Lab Results Recieved	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 07/11/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
55°	67°	72°
Overcast	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 94%	Wind: 8 MPH | Precipitation: .0" | Humidity: 64%	Wind: 7 MPH | Precipitation: .0" | Humidity: 57%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Steve Crowe (Supervisor)	0	0	**0**
3 Kings Equipment	Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Management)	0	0	**0**
Total		0	0	**0**

General Notes

1. 1000 -Anchor on-site, desks/chairs/cabinets being delivered

2. 1030 - Discussions about number of wells being decommissioned.
3. 1100 - Anchor goes around to confirm well locations for tomorrow's decommissioning.

4. 1130 - Anchor inspects the clearwell and the sedimentation basin. The clear well still has 4 to 6 inches in the corner by where the pump is. The sedimentation basin seems to have 4 to 6 inches of water across all the bays except for the northernmost bays, where the chains and belts run perpendicular. There the water is more than a foot deep. Anchor to talk with Fred or the city on getting that removed.
5. 1630 - Anchor offsite

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages				

	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Trailer furniture
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☐	☑	Will add 12th well to decommissioning
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 07/12/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
52°	66°	62°
Clear	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 97%	Wind: 10 MPH | Precipitation: .0" | Humidity: 72%	Wind: 3 MPH | Precipitation: .0" | Humidity: 87%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor)	0	0	**0**
3 Kings Equipment	Excavators: Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site waiting for Hoit to come to decommission the wells.
2. 0830 - Anchor attends treatment plant weekly safety meeting on demolition activities.
3. 0945 - Cascade Natural Gas on-site to do locate. No lines in work area. Everything is west of the new treatment plant.

4. 1015 - Pump is set up to drain sedimentation basin
5. 1020 - Hoit on-site to decommission wells

6. 1045 - First well is small diameter

7. 1050 - United rental on-site with mini excavator

8. 1115 - Mario opens drains for sedimentation bastion to empty

9. 1130 - Trenching for silt fence has begun

10. 1215 - Anchor and 3 Kings take lunch
11. 1515 - Well PZ-SED-06 was not properly decommission. The bentonite chips were not added. 3Kings call to have them come out and put the chips in.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Hoit - well decommissioning. 2 technicians.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Mini excavator delivered
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Anchor attends treatment plants weekly safety meeting on demolition safety.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Recieved	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 07/13/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
50°	68°	73°
Clear	**Clear**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 97%	Wind: 6 MPH | Precipitation: .0" | Humidity: 65%	Wind: 5 MPH | Precipitation: .0" | Humidity: 53%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor)	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site
2. 1000 - Weekly Progress Call
3. 1130 - Beginning orange fencing around clearwell roof.

4. 1400 - Call with 3K on SWPPP/TESC
5. 1500 - Anchor walks the filter basin with Brian. The troughs still need to be emptied out. He will get some guys working on that.
6. 1530 - Anchor offsite.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 07/17/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
61°	66°	68°
Overcast	**Overcast**	**Overcast**
Wind: 3 MPH | Precipitation: .0" | Humidity: 91%	Wind: 6 MPH | Precipitation: .0" | Humidity: 76%	Wind: 11 MPH | Precipitation: .0" | Humidity: 53%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 1 laborer	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0630 - Anchor QEA on-site
2. 0720 - 3 Kings on-site
3. 0750 - 3 Kings laborer onsite
4. 0805 - Anchor inspects the filtration basin troughs, and they have been drained.

5. 0815 - 3 Kings completing fence around clearwell roof

6. 0830 - TESC supplies delivered

7. 1000 - Weekly on-site call
8. 1130 - Anchor has on-site discussion with 3 Kings and Fred on the protections of the active treatment grates. Due to the fasteners on the grates 3 Kings , will just place fabric over the grates and overlap them with sand bags, not wrapping them around the grate.
9. 1145 - 3 Kings installing TESC

10. 1200 - Assist Fred with survey of the lagoon material.
11. 1250 - 3 Kings mobilize generator for trailer

12. 1330 - 3Kings hooking up generator
13. 1430 - 3Kings continuing silt fence install

14. 1500 - Anchor inspects the drums in their Chem storage area. 4 drums of ground water, three soil cuttings and two drums a PPE observe. Sending to Tanner.
15. 1630 - Progress on silt fencing

16. 1530 - Site team offsite for the day

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description

1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	TESC materials Generator
6. Requests for Information	☐	☐	☑	3 Kings requests to not wrap geotextile around grates in active sed basin and to instead overlap with sandbags. AQ agrees and it will be noted on site docs and in this daily. No formal RFI required.
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Surveying lagoon material with Fred
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 07/18/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

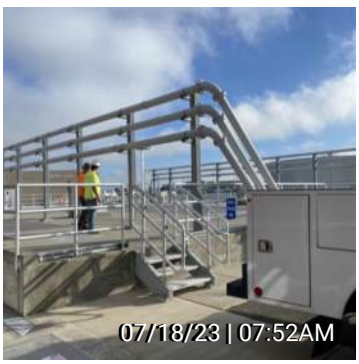
6:00 AM	12:00 PM	4:00 PM
52°	70°	74°
Partially cloudy	**Clear**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 8 MPH | Precipitation: .0" | Humidity: 55%	Wind: 10 MPH | Precipitation: .0" | Humidity: 51%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 1 laborer	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on-site. Plan for the day is more silt fence construction and covering the active sed basin grates.
2. 0751 - 3 Kings prepping to cover active sed basin

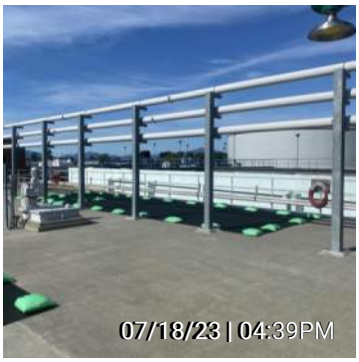


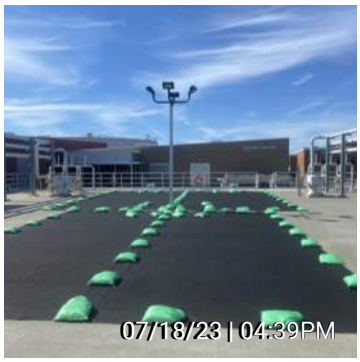
3. 0800 - Continuing silt fence installation.

4. 1020 - 3 Kings working on covering active sed basin grates

5. 1200 - Wattles delivered

6. 1315 - Barnaby on-site. Tour of facility
7. 1400 - Anchor met with Tom and Fred in the chemical storage room to go over what materials the city wants to keep and what can be thrown away. Fred to reach out to the plant and update us.
8. 1630 - 3Kings done working on the covers for the active sed basin.





9. 1715 - Site team leaving for the day

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Wattles
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 07/19/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

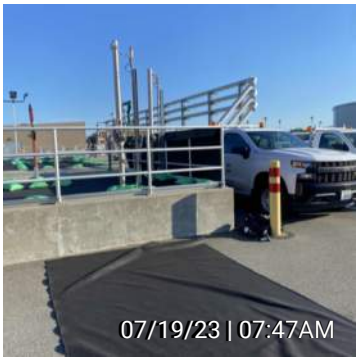
6:00 AM	12:00 PM	4:00 PM
52°	74°	80°
Partially cloudy	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 5 MPH | Precipitation: .0" | Humidity: 52%	Wind: 12 MPH | Precipitation: .0" | Humidity: 43%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 1 laborer	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is more protections on active plant.
2. 0745 - 3 Kings working on active sed basin protections along the railing.



3. 0830 - Anchor attends Treatment Plant safety meeting
4. 1000 - Fiber people on-site

5. 1030 - City IT to assist fiber guys in locating wire in vault by trailers
6. 1100 - Biweekly meeting
7. 1120 - Anchor walks site with city to figure out power to trailers
8. 1430 - 3 Kings continuing with new plant protections

9. 1450 - Final product of railing protection

10. 1700 - team offsite for the day

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	TESC supplies delivered
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Anchor attends treatment plant weekly safety meeting at 0830
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☐	☑	Schedule provided - abatement scheduled for next week
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 07/20/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
57°	73°	74°
Clear	**Clear**	**Clear**
Wind: 3 MPH | Precipitation: .0" | Humidity: 97%	Wind: 10 MPH | Precipitation: .0" | Humidity: 60%	Wind: 10 MPH | Precipitation: .0" | Humidity: 59%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 1 laborer	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on-site. Plan for the day is more site preparations and active plant protections.
2. 0800 - 3 Kings creating enclosures around air intake.

3. 1000 - Weekly progress meeting
4. 1415 - Completed protections around the air intakes.

5. 1430 - Anchor completes video survey of the site to document pre-demo conditions (particularly paying attention to asphalt surfaces and the new plant infrastructure)
6. 1700 - site team offsite

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Asbestos abatement box delivered Trailer microwave, fridge, chairs
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Plant down in the morning, not related to any site work. Plant down at 1630, also not related to site work.
13. Waste Disposal	☐	☑	☐	

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 07/24/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
56°	64°	69°
Partially cloudy	**Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 95%	Wind: 10 MPH | Precipitation: .0" | Humidity: 77%	Wind: 14 MPH | Precipitation: .0" | Humidity: 64%

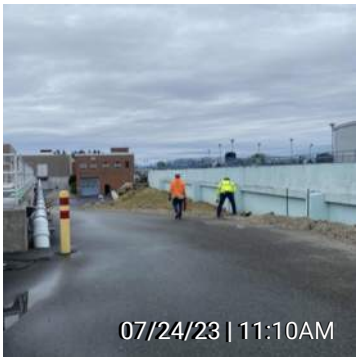
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jason Hawks (Project Manager) Randy Goecke (Equipment Manager) 5 laborers	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer Transformer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		0	0	**0**

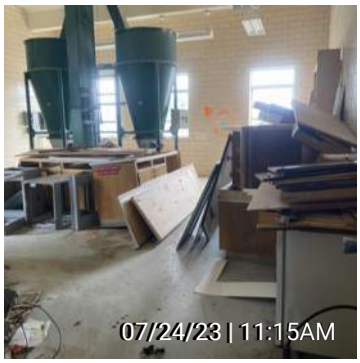
General Notes

1. 0700 - Anchor and 3 Kings on-site. 4 laborers on-site for asbestos work this week.
2. 0730 - Anchor and 3Kings walk the admin building looking at ACM.
3. 0815 - Continuing silt fence installation

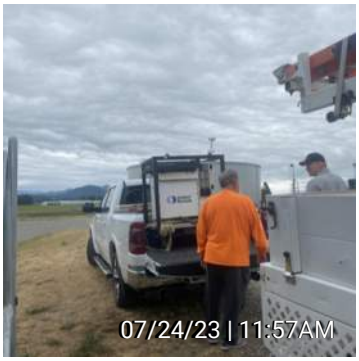
4. 1100 - Continue silt fence install



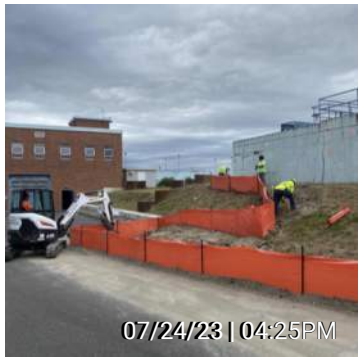
5. 1115 - Interior demo to make room for abatement



6. 1145 - Jason Hawks on-site with transformer



7. 1245 - Anchor walks with Jason Hawks to discuss operations on site
8. 1600 - Anchor registers the new drone with the FAA drone zone. Sends registration to Diana to add to insurance.
9. 1625 - 3 Kings continues silt fence installation



10. 1630 - 3 Kings box truck here with abatement supplies.

11. 1730 - Site team offsite for the day

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Abatement box truck on-site with supplies.
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☐	☑	3 Kings has draft HASP on-site
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 07/25/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

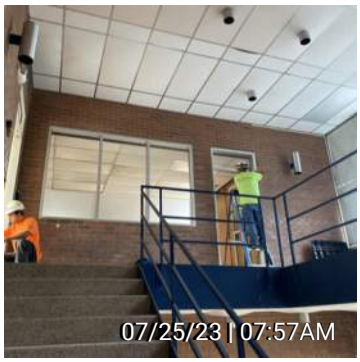
6:00 AM	12:00 PM	4:00 PM
57°	64°	69°
Overcast	**Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 9 MPH | Precipitation: .0" | Humidity: 79%	Wind: 2 MPH | Precipitation: .0" | Humidity: 61%

Work Logs

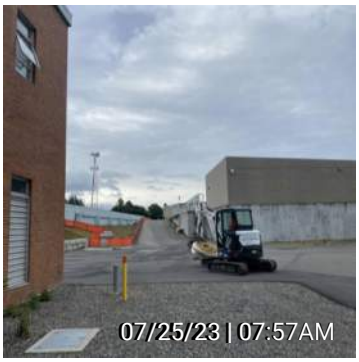
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 5 laborers (abatement) 1 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: Mini Excavator Other: Supply Trailer Transformer	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
EMB Consulting, LLC	Elisabeth Black (Oversight and Air Monitoring)	0	0	**0**
Total		0	0	**0**

General Notes

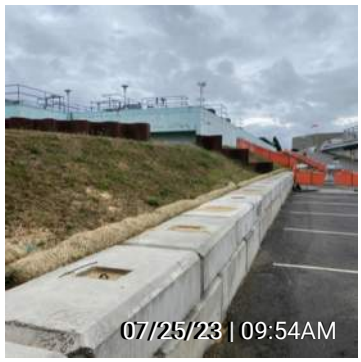
1. 0700 - Anchor and 3 Kings on site. Plan for the day is to continue the silt fence installation and wattles. Abatement crew is setting up containment and decon and plans to begin abatement in the afternoon.
2. 0715 - Elisabeth reaches out and let us know she doesn't have the cassettes to run baseline in the morning. She will forgo baseline, and begin monitoring when 3 Kings begins the abatement in the afternoon.
3. 0800 - Abatement supplies and set up

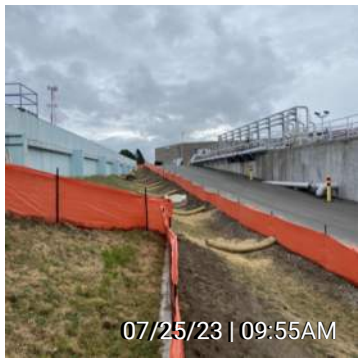


4. 0800 - Wattle installation



5. 0812 - Anchor talks with city. They are going to open the gate to the clearwell ladder. They will also check with fiber guys to see if they are coming out to repair line.
6. 0930 - Wattle placement



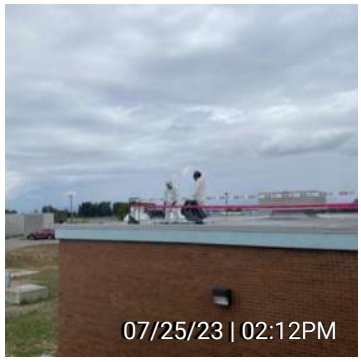


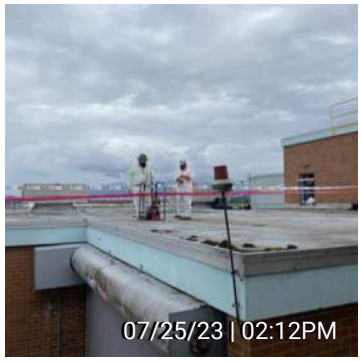
7. 1000 - 3Kings and Anchor inspect top of clearwell.

8. 1015 - 3 Kings draining oil from pumps in pump room

9. 1105 - Electricians on-site to hook up transformer
10. 1215 - Elisabeth Black on site to do abatement oversight and monitoring. Anchor, Elisabeth and 3Kings abatement supervisor Jose walk around the admin building going over the abatement.
11. 1400 - Abatement air monitoring station

12. 1400 - Abatement of roof drains





13. 1405 - Protections on east clearwell vent

14. 1500 - 3 Kings finishes protection on east active clearwell vent and begin on west active clearwell vent.

15. 1645 - EMB takes down air samples and packs up as 3Kings finishes for the day. Roof drains complete and will be inspected and clearance samples run tomorrow.
16. 1725 - Site team offsite

Site Safety Observations

No entry

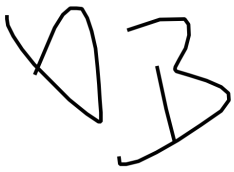
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Electricians (2)
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Abatement air monitoring
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	More TESC supplies delivered
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☐	☑	EMB requests for fit tests and certifications for all workers.
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 07/26/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

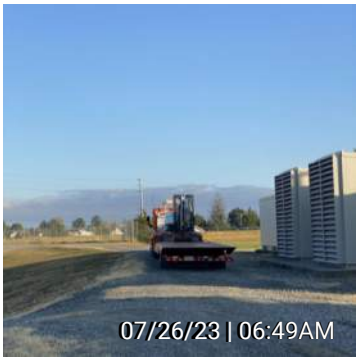
6:00 AM	12:00 PM	4:00 PM
50°	65°	70°
Partially cloudy	**Partially cloudy**	**Partially cloudy**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 9 MPH | Precipitation: .0" | Humidity: 76%	Wind: 10 MPH | Precipitation: .0" | Humidity: 58%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 4 laborers (abatement) 1 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G Other: Supply Trailer Transformer 3 Baker Tanks	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor) 2 Helpers	0	0	**0**
EMB Consulting, LLC	Elisabeth Black (Oversight and Air Monitoring)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0645 - United Rentals drops off John Deere 135G and picks up the mini excavator.



2. 0700 - 3Kings and Anchor on-site. Plan for the day is to continue abatement moving into the second floor mastic removal.
3. 0730 - EMB doing visual inspection on roof abatement.

4. 0900 - Exclusion zone fence installation

5. 0930 - First Baker Tank onsite

6. 1000 - Fred on-site with two helpers to begin staking out excavation.
7. 1200 - Second Baker tank on-site

8. 1400 - 3 Kings continues abatement on the second floor of the admin building. Fred continues stake out of the soil excavation areas.
9. 1445 - Abatement of second floor flooring

10. 1445 - DOH touring the active site
11. 1540 - Third Baker tank delivered

12. 1630 - EMB takes down air samples as 3 Kings wraps up for the day.
13. 1730 - Site team offsite for the day.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description

1. Visitors	☐	☐	☑	DOH touring the active treatment plant.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Abatement air monitoring.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	John Deere 135G delivered. Mini excavator removed.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 07/27/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
53°	70°	74°
Partially cloudy	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 8 MPH | Precipitation: .0" | Humidity: 64%	Wind: 6 MPH | Precipitation: .0" | Humidity: 50%

Work Logs

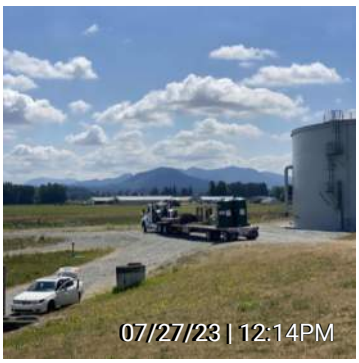
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 4 laborers (abatement) 1 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (QA/QC Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor) 2 Helpers	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
EMB Consulting, LLC	Elisabeth Black (Oversight and Air Monitoring)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0645 - Anchor and 3 Kings on-site
2. 0700 - Morning meeting, plan for the day is to continue abatement on second floor and prep for abatement in the pump room. Also prep for soil excavation and fence installation.
3. 0730 - National Rent a Fence on-site installing chain link fence.

4. 0800 - Eyewash station construction

5. 0830 - Anchor attends weekly safety meeting for the active treatment plant. Topic is walking on concrete surfaces. Anchor provides update on demolition activities.
6. 1000 - Weekly progress meeting
7. 1220 - Water management system on-site



8. 1230 - Fiber optics workers from the city are on-site to repair internet.
9. 1500 - Anchor sees that second negative air machine is not operating. Speak with Jose from 3 Kings and they will turn on that machine as well.
10. 1545 - Anchor inventories the water treatment supplies delivered by United rentals today.

11. 1550 - Barnaby offsite for the day

12. 1640 - 3 Kings removing shrubs from around the sed basin in prep for soil excavation.

13. 1725 - site team offsite for the day.

Site Safety Observations

No entry

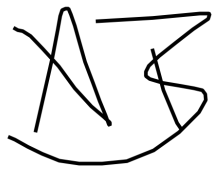
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	National Rent a Fence (2 Technicians)
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	EMB does not see need for monitoring today, EMB offsite at 0930.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Rental fence

6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Recieved	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 07/31/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
50°	68°	71°
Partially cloudy	**Clear**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 62%	Wind: 8 MPH | Precipitation: .0" | Humidity: 51%

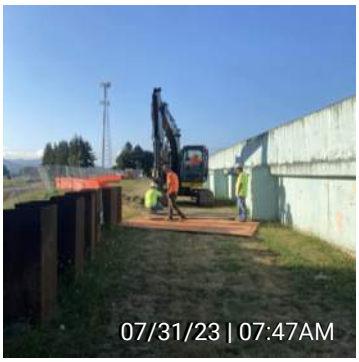
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 4 laborers (abatement) 2 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators Water cannon	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
EMB Consulting, LLC	Elisabeth Black (Oversight and Air Monitoring)	0	0	**0**
Total		0	0	**0**

General Notes

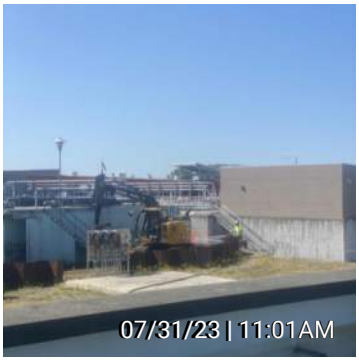
1. 0615 - Anchor and 3 Kings on-site.
2. 0700 - Morning safety meeting. 3 Kings going to continue with abatement on second story flooring and also prep for soil removal and begin soil removal when trucking is here.
3. 0715 - 3 Kings brings their water cannon for dust suppression.

4. 0730 - Steel plates delivered. Being placed to allow truck traffic for soil excavation.



5. 0815 - 3 Kings clearing brush from excavation area.

6. 0852 - Clean gravel under the sidewalk chunks north of sed basin in excavation area.
7. 0955 - Truck on-site to begin soil removal and loading
8. 1000 - Fiber guys on-site. Wire is run into 3 Kings trailer. The city IT should be here tomorrow with the router and also to run Internet to Anchor trailer.
9. 1100 - Dust control on soil removal



10. 1130 - Anchor talking to 3 Kings (Jason) about schedule concerns and specifications requirements.
11. 1210 - Excavation update

12. 1230 - Anchor discuss his abatement with EMB. Clearance was given on the second floor. All prepping for the pump room wire and insulator block removal EMB noticed approximately 10 suspect materials. Samples were taken and result should be in tomorrow.
13. 1430 - Anchor works to set up air monitoring stations
14. 1645 - 3 Kings installs, hydrant, meter and backflow meter to hydrant. Said he had been holding onto the meter.

15. 1700 - Second truck being loaded tonight so it can go to the facility first thing in the morning.

16. 1742 - Second truck loaded. Will drive down to Seattle in the morning.
17. 1750 - Site team offsite for the day.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Abatement air monitoring
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Water cannon Steel plates
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	EMB collects samples of 10 suspect materials in the Pump Room.
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☐	☑	Updated site construction plan should come from 3 Kings tomorrow.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	1 truck (3 Kings) of non-haz soil

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 08/01/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

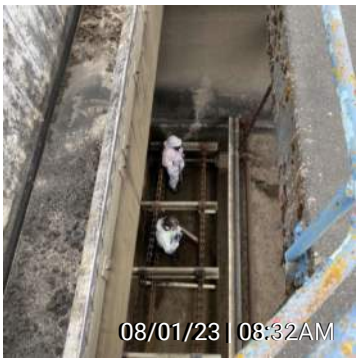
6:00 AM	12:00 PM	4:00 PM
52°	68°	75°
Partially cloudy	**Clear**	**Clear**
Wind: 4 MPH | Precipitation: .0" | Humidity: 96%	Wind: 6 MPH | Precipitation: .0" | Humidity: 69%	Wind: 9 MPH | Precipitation: .0" | Humidity: 49%

Work Logs

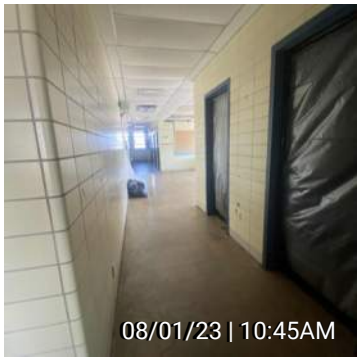
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 4 laborers (abatement) 2 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators 1 small generator Water cannon Demo hammer, bucket, and processor attachments	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
EMB Consulting, LLC	Elisabeth Black (Oversight and Air Monitoring)	0	0	**0**
Total		0	0	**0**

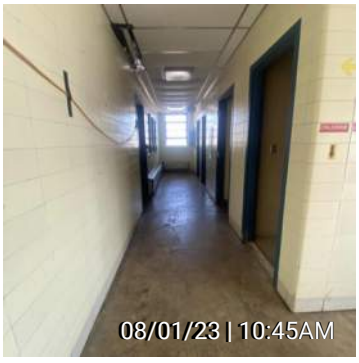
General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue asbestos abatement in the pump room. Two people from the abatement crew will begin cleaning out the side basin. Looking for sumps and cleaning out the clean metal. As trucks are available soil removal will continue.
2. 0830 - 3 Kings working to clean sed basin residuals and remove non painted equipment.



3. 0935 - 3 Kings truck back from dropping off the first load. Soil removal continues.
4. 1015 - EMB relays that the second floor clearance samples passed. 3 Kings will remove the containment and bring the negative air machines down to the first floor to continue abatement.
5. 1045 - Second floor post clearance





6. 1300 - Anchor collects Comp 1 A discrete sample and volume for compositing.

7. 1305 - Anchor collects Comp 1 B discrete sample and volume for compositing.

8. 1310 - Anchor collects Comp 1 C discrete sample and volume for compositing.

9. 1320 - Anchor composites volume from Comps A,B,C for composite sample.

10. 1328 - Anchor decons bowl and spoon in accordance with PDI work plan (Alconox and DI water)

11. 1345 - 2nd 3 Kings truck on-site for soil removal. Brought demo hammer

12. 1350 - United on-site hooking up water treatment system.

13. 1515 - Full truck leaves just as empty truck arrives. This empty truck will be the the third loaded today and will leave tomorrow morning.

14. 1516 - Soil removal progress.

15. 1610 - Third truck loaded.

Site Safety Observations

No entry

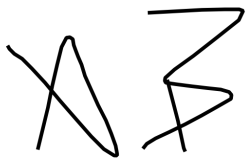
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Julia Fitts (Anchor QEA) stops by in the AM to drop off sampling supplies.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Abatement air monitoring. Site perimeter monitoring.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Demo hammer, bucket, and processor attachments mobilized.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	First composite (Comp 1) collected north of Sed Basin. Sent to lab.
10. Lab Results Recieved	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 08/02/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
52°	72°	76°
Clear	**Clear**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 55%	Wind: 7 MPH | Precipitation: .0" | Humidity: 42%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Ron King (Owner) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 4 laborers (abatement) 2 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators 1 small generator Water cannon Demo hammer, bucket, and processor attachments	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
EMB Consulting, LLC	Elisabeth Black (Oversight and Air Monitoring)	0	0	**0**
Total		0	0	**0**

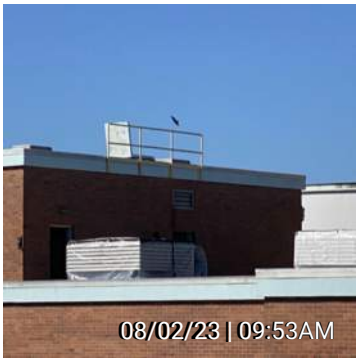
General Notes

1. 0700 - Anchor and 3 Kings morning safety meeting. Plan for the day is to continue abatement in the pump room. Continue soil removal along the east sed basin wall. Continue removals within the side basin. And possibly start scraping paint on the exterior of the sand basin in areas not affected by the soil removal.
2. 0730 - Anchor sets up site perimeter stations.

3. 0830 - Anchor attends weekly safety meeting at the treatment plant.
4. 0900 - First truck on-site for soil removal.

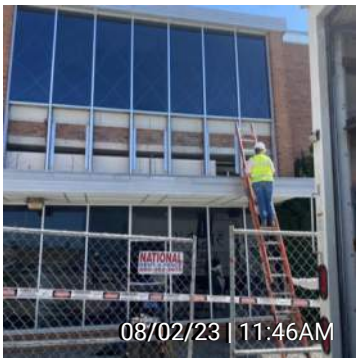
5. 0907 - Second empty truck on-site for soil removal.
6. 0937 - Confirming depth with laser.

7. 0950 - 3 Kings abating exterior window.

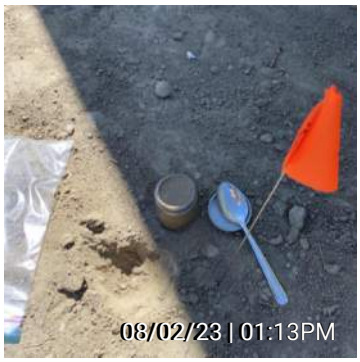


8. 1100 - Biweekly meeting
9. 1130 - 3Kings removing CAB on admin building.

10. 1146 - EMB doing visual clearance of CAB removal.



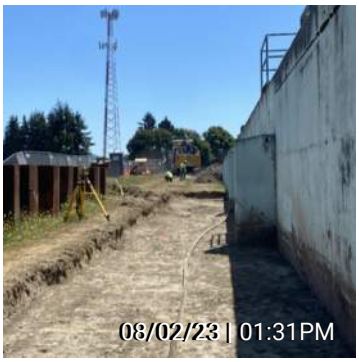
11. 1315 - Anchor collects COMP 2 A discrete sample and volume for compositing.



12. 1320 - Anchor collects COMP 2 B discrete sample and volume for composite.

13. 1325 - Anchor collects COMP 2 C discrete sample and volume for composite.

14. 1331 - Truck on-site for more soil removal.



15. 1335 - Anchor composites COMP 2 sample.
16. 1445 - 3 Kings complete with soil removal around sed basin. Cleaning excavator. No full decon needed because machine excavated from outside the area.

17. 1450 - Anchor collects COMP 3 A discrete sample and volume for composite.

18. 1455 - Anchor collects COMP 3 B discrete sample and volume of composite

19. 1500 - Anchor collects COMP 3 C discrete sample and volume for composite.

20. 1505 - Anchor composites COMP 3

21. 1520 - 3 Kings moves on to soil removal around filter basin.

22. 1620 - Anchor takes samples to the lab.
23. 1700 - Anchor takes down site perimeter stations.
24. 17125- Team offsite for the day.

Site Safety Observations

No entry

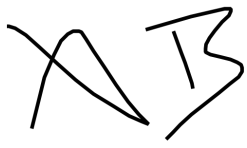
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	

2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Asbestos abatement monitoring. Site perimeter monitoring.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☐	☑	3 Kings sending 2 week look ahead to Tom King for on-site revisions.
9. Lab Samples Collected	☐	☐	☑	Second and third composites (Comp 2 and Comp 3) collected east of Sed Basin. Sent to lab.
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Soil excavation.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 08/03/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
54°	71°	76°
Overcast	**Clear**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 66%	Wind: 10 MPH | Precipitation: .0" | Humidity: 53%

Work Logs

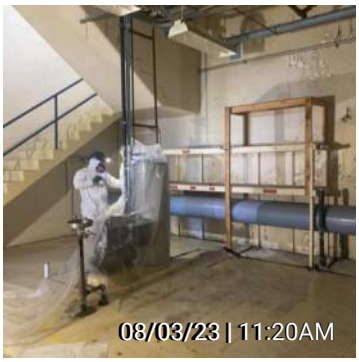
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 4 laborers (abatement) 2 laborer (general)	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators 1 small generator Water cannon Demo hammer, bucket, and processor attachments	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (QA/QC Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison, Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Morning safety meeting. Plan for the day is to continue soil removal and continue pre-demolition removals. Three crew members remain in Admin Building doing pre-demolition removals.
2. 0715 - Anchor sets up site perimeter stations.
3. 0844 - Truck on-site for soil removal.

4. 1000 - Weekly progress meeting
5. 1050 - Soil removal progresses around the filtration basin. One section of concrete was over gravel, and will not be disposed of the soil. Two other sections were intermixed with the soil and will be removed the soil.

6. 1115 - EMB provides the all clear on the clearance samples from the admin building. 3Kings will be getting loose paint removal in the chemical storage room now that clearance is confirmed.

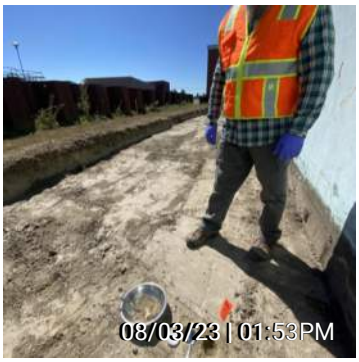


7. 1122 - Leaking suspected from drums. Absorbent material used.

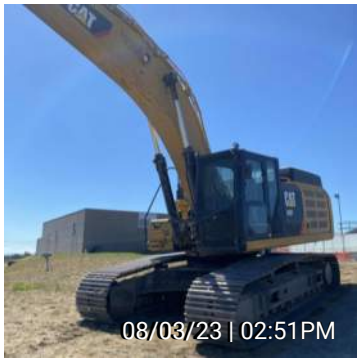
8. 1345 - Anchor collects COMP 4 A discrete sample and volume for composite.

9. 1350 - Anchor collects COMP 4 B discrete sample and volume for composite.

10. 1355 - Anchor collects COMP 4 C discrete sample and volume for composite.



11. 1400 - Anchor composites COMP 4
12. 1405 - Anchor collects FD sample
13. 1435 - Truck is back on-site to continue soil removal.
14. 1450 - 3 Kings large excavator arrived at 1210. It is a CAT 349F



15. 1730 - Site team offsite for the weekend. Anchor calls treatment plant operator to inform them.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description

1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Sister perimeter monitoring.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Large excavator CAT 349F mobilized.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	COMP 4 soil post excavation sample collected.
10. Lab Results Recieved	☐	☐	☑	COMP 1 : <1ppm total PCBs COMP 2 : >1ppm total PCBs COMP 3 : >1ppm total PCBs Discrete sample analysis for COMP 2 and COMP 3 requested on 24hr TAT
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Soil excavation.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 08/07/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
60°	66°	72°
Rain, Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 3 MPH | Precipitation: .0" | Humidity: 99%	Wind: 9 MPH | Precipitation: .0" | Humidity: 90%	Wind: 3 MPH | Precipitation: .0" | Humidity: 70%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G CAT 349F Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators 1 small generator Water cannon Demo hammer, bucket, and processor attachments	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison, Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0615 - Anchor and 3 Kings on site.
2. 0630 - Soil truck that was loaded on Thursday leaves for disposal.
3. 0700 - Morning safety meeting. Plan for the day is to continue pre-demolition removal's in the sedimentation basin and also put more crew on loose paint removal around the exterior of the

sedimentation basin. As the truck comes back more soil will be removed. Additional sample results to do today to determine additional soil removals.

4. 0715 - Anchor sets up the air monitoring stations and zeros them.
5. 0749 - Pre demolition removals in the sed basin.

6. 0750 - Prep for loose paint removal on sed basin.

7. 0920 - Loose paint removal.

8. 1015 - Soil truck back on-site to continue loading.

9. 1030 - Delivery of poly.

10. 1120 - Anchor and Fred Buckenmeyer check the depth of sedimentation basin residuals. At south end residuals between 1-2” at the north end residuals 6-7”. Average seems to be 3-4”. Paint chips also observed on the surface.

11. 1310 - Anchor collects COMP 5 A discrete sample and volume for composite.

12. 1315 - Anchor collects COMP 5 B discrete sample and combine for composite.

13. 1320 - Anchor collects COMP 5 C discrete sample and volume for composite.

14. 1325 - Anchor composites COMP 5.
15. 1330 - Anchor decons stainless bowl and spoons.
16. 1543 - Load of brush going offsite.
17. 1545 - 3 Kings removing non contaminated materials from within sed basin.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	

2.	Work Stoppages	☐	☑	☐
3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered/Removed	☐	☐	☑ Poly
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☐	☑ COMP 5 collected
10.	Lab Results Recieved	☐	☐	☑ COMP 4 results and COMP 2 and COMP 3 discrete samples also received.FD and EB results.
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ Soil removal and a load of brush.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 08/08/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
59°	68°	74°
Overcast	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 79%	Wind: 4 MPH | Precipitation: .0" | Humidity: 68%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G CAT 349F Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators 1 small generator Water cannon Demo hammer, bucket, and processor attachments	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

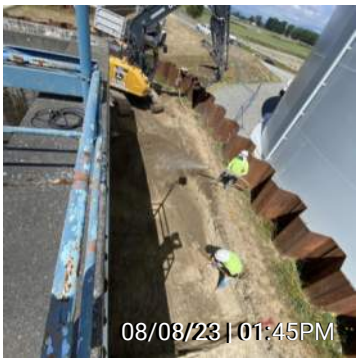
1. 0700 - Morning safety meeting. The plan for the day is to continue removals in the sed basin and continue loose paint removal on the sed basin. Loose paint removal will also continue in the Admin Building.
2. 0715 - Anchor marks out additional excavation areas in COMP 2A and COMP 3B sample areas.

3. 0915 - Loose paint removal north side of Sed Basin.

4. 0930 - Removals of non coated materials continues.

5. 1045 - East half of sed basin non coated metals removal complete

6. 1330 - 3 Kings doing additional removal in 2A location.



7. 1420 - 1’ additional dig complete at 2A.

8. 1425 - 3 Kings additional removal in location 3B.

9. 1700 - 3 Kings wrapping up for the day and covering piles

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Two drums DEF fluid delivered
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3 Kings HASP, final transmittal letter.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	One load additional soil removal.

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 08/09/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
60°	66°	68°
Overcast	**Rain, Overcast**	**Overcast**
Wind: 0 MPH | Precipitation: .0" | Humidity: 97%	Wind: 12 MPH | Precipitation: .0" | Humidity: 90%	Wind: 9 MPH | Precipitation: .0" | Humidity: 87%

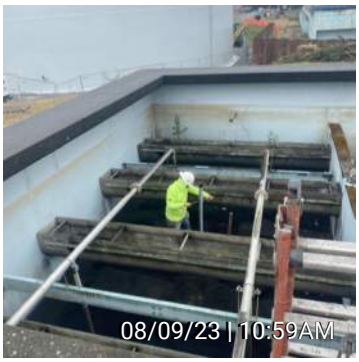
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G CAT 349F Other: Supply Trailer Transformer 3 Baker Tanks Water treatment system 2 generators 1 small generator Water cannon Demo hammer, bucket, and processor attachments	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Morning safety meeting. Plan for the day is to continue non coated metal removal from the Sed Basin. Other crew will continue loose paint removal in the Admin Building until a decision is made on the railings of the Sed Basin.
   Truck will be back this morning to finish 3B additional removal.
2. 0715 - Waiting for rain to stop to start particulate monitoring.
3. 1000 - Soil truck loaded from 3B area.

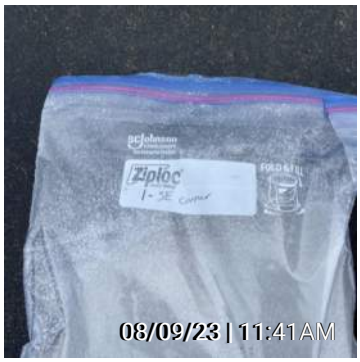
4. 1100 - Sampling filter media with makeshift corers.

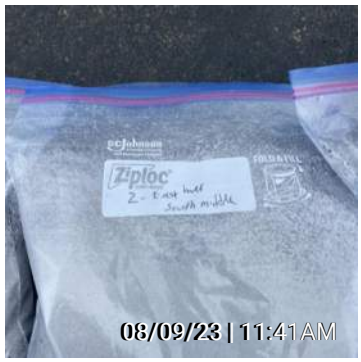


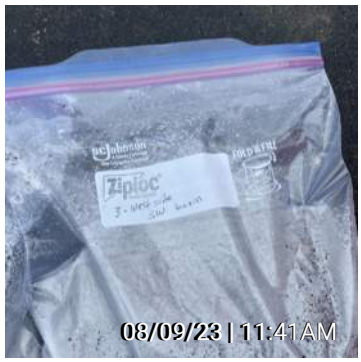
5. 1105 - COMP 2 A redig sample.

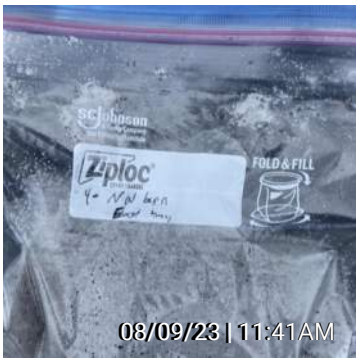
6. 1110 - COMP 3 B discrete soil redig sample.

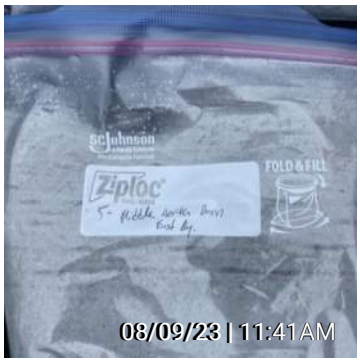
7. 1140 - Filter media sample bags.











8. 1145 - Composite of filter media collected.
9. 1515 - 3 Kings taking a load of brush offsite.

Site Safety Observations

No entry

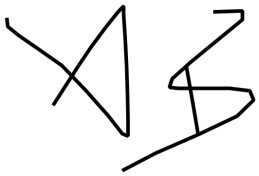
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	COMP 2A and COMP 3B samples collected post re-excavation. Filter Basin material sample colledcted.
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Load of soil from excavation removed. Load of brush removed.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 08/10/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
60°	70°	70°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 6 MPH | Precipitation: .0" | Humidity: 90%	Wind: 6 MPH | Precipitation: .0" | Humidity: 64%	Wind: 3 MPH | Precipitation: .0" | Humidity: 56%

Work Logs

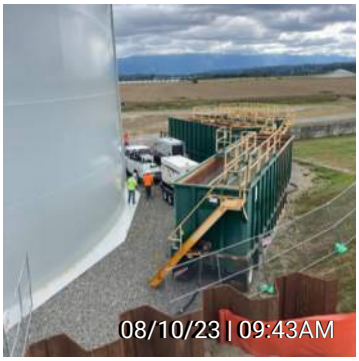
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, bucket, and processor attachments.	0	0	**0**
Anchor QEA	Barnaby D. Hoit (Inspector)	0	0	**0**

City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0702 BDH arrives onsite, attend morning 3K mtg.
   0840 BDH phone call with DB re: morning meeting.
   0900 Webex chat with JF, question of 3K work schedule for Labor Day weekend. Consulted with Tom, expects to work Tue-Fri that week.
2. Sed basin.

3. Tesc



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☑	☐	☐	
2. Work Stoppages	☑	☐	☐	

3. Was Air Monitoring Performed?	☐	☑	☐
4. Air Monitoring Exceedances	☑	☐	☐
5. Materials Delivered/Removed	☑	☐	☐
6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☐	☑
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☑	☐	☐
10. Lab Results Recieved	☑	☐	☐
11. Important Communication	☑	☐	☐
12. Unusual Events/Activities	☑	☐	☐
13. Waste Disposal	☑	☐	☐

Attachments

I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 08/14/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
64°	76°	82°
Clear	**Clear**	**Clear**
Wind: 6 MPH | Precipitation: .0" | Humidity: 92%	Wind: 8 MPH | Precipitation: .0" | Humidity: 59%	Wind: 14 MPH | Precipitation: .0" | Humidity: 51%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, bucket, and processor attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

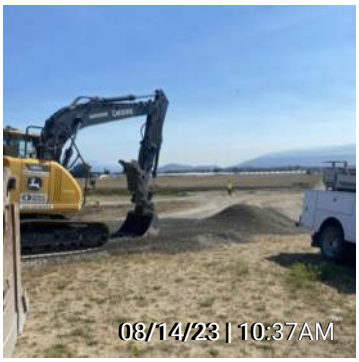
General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue loose paint removal as well as removing the railings on the top of the sed basin in preparation for demo.
2. 0715 - Anchor communicates the sample results from last week to Tom King. A follow-up email is sent to Jason Hawks. 3 Kings will remove the remaining soil when the truck is available and the Anchor will collect

the final confirmation sample.

3. 0750 - 3 Kings setting up for loose paint removal on sed basin.

4. 1030 - Gravel on-site for truck pads



5. 1040 - Loose paint removal east side of sed basin.

Site Safety Observations

No entry

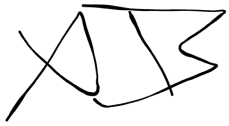
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	

2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Starting at 1030.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☐	☑	Loads of stone delivered for truck and waste loadout pad.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☐	☑	3 Kings express concerns with the sampling results, Anchor to discuss internally.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 08/15/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
63°	78°	83°
Clear	**Clear**	**Clear**
Wind: 6 MPH | Precipitation: .0" | Humidity: 92%	Wind: 9 MPH | Precipitation: .0" | Humidity: 55%	Wind: 10 MPH | Precipitation: .0" | Humidity: 43%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, bucket, and processor attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Doug Musser (Demolition Lead)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

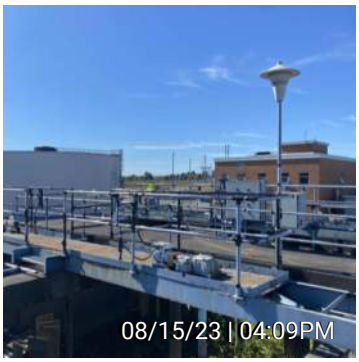
General Notes

1. 0700 - Anchor and 3 Kings on-site. Safety meeting. Plan for the day is to continue PCB painted railing removals, continue truck and box pad install at the south side of Sed Basin, and prep for Sed Basin demo.
2. 0715 - Set up SP stations.

3. 0930 - Anchor and 3 Kings walk the Sed Basin to cover demo and waste loadout sequence. (D Musser, A Bleichner, T King, S Crowe in attendance)
4. 0945 - Anchor and 3 Kings complete the Pre-Demolition Checklist for the Sed Basin in the field. The south side of the basin is approved for starting demo on 8/16. Some light fixtures, oils in pumps, and e-waste still need to be removed from the north side (Anchor to update Pre-Demolition Checklist when that occurs). 3 Kings also have to confirm disposition of railings with the disposal facility.
5. 1330 - 3 Kings fix silt fence east of sed basin.

6. 1600 - 3 Kings testing and prepping water cannon.

7. 1610 - Continued work wrapping and cutting painted railings.



8. 1630 - Anchor offsite for the day.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

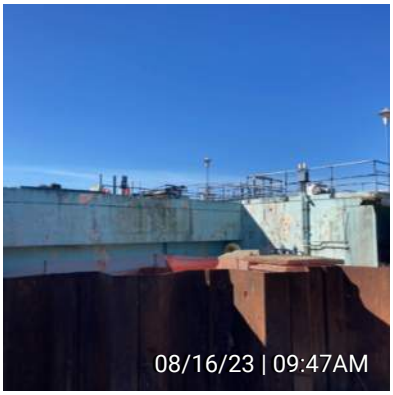
Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Anchor QEA, Doug Musser, Demolition Lead
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site Perimeter Stations
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☐	☑	Pre-Demolition Checklist completed for the Sed Basin. Demo of the southern portion of the basin approved to commence tomorrow, 8/16. Checklist will be updated as tasks are completed in the north portion of the basin.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 08/16/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner



Weather

6:00 AM	12:00 PM	4:00 PM
66°	79°	83°
Clear	Clear	Clear
Wind: 7 MPH | Precipitation: .0" | Humidity: 85%	Wind: 11 MPH | Precipitation: .0" | Humidity: 59%	Wind: 10 MPH | Precipitation: .0" | Humidity: 49%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, buckets, and processor attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**

Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager) Interim Public Works Director	0	0	**0**
Total		0	0	**0**

General Notes

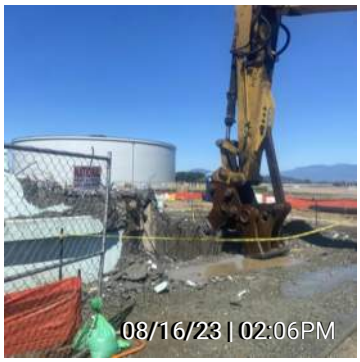
1. 0700 - Anchor and 3 Kings morning safety meeting. The plan for the day is to continue railing removal on the sedimentation basin. Also to begin demo on the south portion of the sedimentation basin. Breaking the wall, and beginning to create a ramp down into the basin.
2. 0815 - Demo begins on the south side of the sed basin.

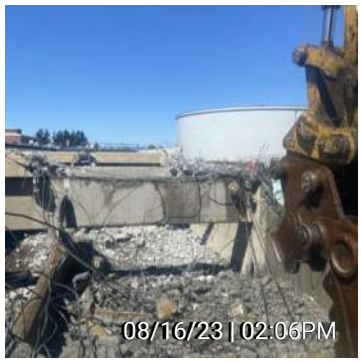
3. 0835 - Processor on the large excavator doesn't have enough maneuverability. 3 Kings switching to hammer attachment.
4. 0915 - Generator is fixed, so anchor recommends that dust cannon be implemented. Station 1 is downwind, and is closest to the demolition activities is spiking in dust.

5. 0930 - Continued work on the north side of sed basin.

6. 1000 - High dust level spikes at Station One due to tracking equipment around to move water cannon.
7. 1020 - Anchor inspects the clearwell protections with the drone.

8. 1100 - Biweekly progress meeting with the City
9. 1400 - Demo progression on the SE corner of the sed basin.





10. 1420 - Water starting to collect in the trough from the dust suppression water.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Interim Public Works Director United rental techs
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Predominant wind direction is north northeast.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered/Removed	☐	☑	☐	

6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☐	☑ Another sunny hot day, stay hydrated.
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Recieved	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☐	☑ Beginning demolition on south portion of the sed basin.
13.	Waste Disposal	☐	☑	☐

Survey Photos

1.

Attachments

Rental generator being towed out of area of sedimentation basin demo, for service (n...

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 08/17/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
59°	76°	81°
Clear	Clear	Clear
Wind: 0 MPH | Precipitation: .0" | Humidity: 97%	Wind: 12 MPH | Precipitation: .0" | Humidity: 58%	Wind: 8 MPH | Precipitation: .0" | Humidity: 49%

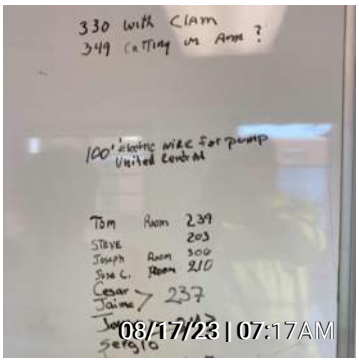
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortes (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, buckets, and processor attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**

Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

Work Log Photos

3 Kings Crew:



General Notes

1. 0700 - Anchor and 3 Kings on-site for safety meeting. Plan for the day is continuing demo on the south portion of the sed basin, closing out punch list items on the north portion of the sed basin, and resuming loose paint removal on the admin building.
2. 0710 - Anchor setting up site perimeter stations.
3. 0720 - 3 Kings prepping for loose paint removal on the admin building exterior.

4. 0743 - Scrap box delivered to the site.

5. 0745 - Truck on-site to excavate soil removal area 4B.

6. 0900 - Loose paint removal in progress on Admin Building garage door.

7. 0905 - Loading scrap metal into Metro Metals box. Just from the road tracking back-and-forth with the excavator is spiking the station one dust levels. Request that they wet down the road.

8. 0953 - United on site to replace the faulty generator with a new generator.

9. 1000 - Weekly progress call.
10. 1150 - 3 Kings prepping to do loose paint removal on the north wall of the filter basin.

11. 1330 - Collecting geotechnical samples from borrow lot next door.

12. 1345 - Collecting geotechnical sample from lagoon material.

13. 1520 - Continued demolition along the east side of the side basin contaminated material.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	United rentals technicians
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Dominant wind direction north.
4. Air Monitoring Exceedances	☐	☑	☐	Spikes at Station 1 due to rusty roads and loading scrap box.
5. Materials Delivered/Removed	☐	☐	☑	Clamshell for big excavator onsite today (Tom retrieved yesterday.)
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Recieved	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	1 load soil excavation.

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 08/21/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
49°	65°	70°
Partially cloudy	**Clear**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 9 MPH | Precipitation: .0" | Humidity: 64%	Wind: 9 MPH | Precipitation: .0" | Humidity: 54%

Work Logs

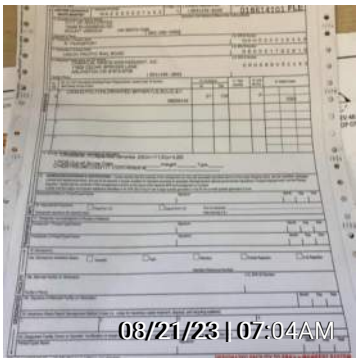
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Claudio (Abatement Supervisor) 6 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager) Matthew Miller (Mayor)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site and attend the safety meeting. Plan for the day is to continue demo of

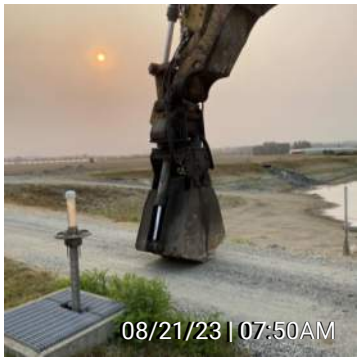
the sed basin.

2. 0705 - Waste manifest for loadout.



3. 0740 - Waste trucks dropping boxes for loadout. The trucks will only take one box at a time so all four boxes will be dropped and then each will take one full box.

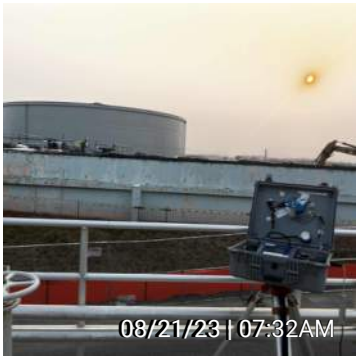
4. 0745 - Additional excavator mobilized with 360 processor.



5. 0820 - Second crew beginning work up on the filter basin wrapping the railings and prepping to do loose paint removal.

6. 0930 - Soil truck on-site to finish soil removal.

7. 0930 - Spike at Station 1 likely attributed to truck traffic.
8. 0710- Anchor sets up site perimeter stations. AQI in the area is 19.



9. 1045 - Soil removal complete in location 4B.

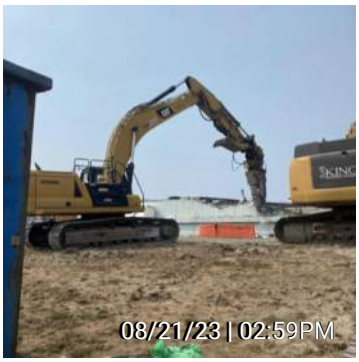
10. 1100-Soil sample Collected at comp-4 B

11. 1100 - Discrete soil sample 4B.

12. 1300 - Walk around with the mayor.

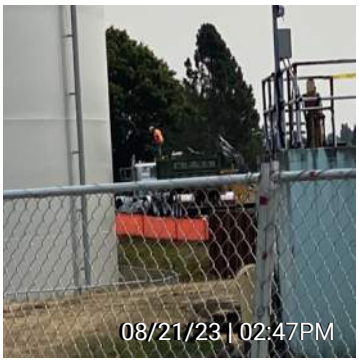
13. 1330 - Excavation around SE corner of sed basin to facilitate ramp into the basin.

14. 1500 - Demo with the new articulating processor.



15. 1503 - Hose breaks on articulating processor.

16. 1530 - Anchor talks to 3 Kings about concerns with walking on boxes without fall protection.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Any accidents on site today?	☑	☐	☐	
2. Any schedule delays occur?	☑	☐	☐	
3. Did weather cause any delays?	☑	☐	☐	
4. Any visitors on site?	☑	☐	☐	
5. Any areas that can't be worked on?	☑	☐	☐	
6. Any equipment rented on site?	☑	☐	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 08/22/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
51°	64°	71°
Partially cloudy	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 9 MPH | Precipitation: .0" | Humidity: 69%	Wind: 6 MPH | Precipitation: .0" | Humidity: 49%

Work Logs

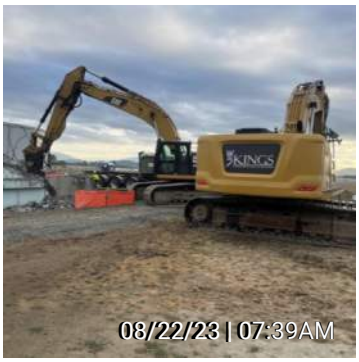
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Claudio (Abatement Supervisor) 4 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: John Deere 135G; CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site and have morning safety meeting. Plan for the day is to continue demo and loadout and keep working in the filter basin bays.

2. 0720- Anchor sets up site perimeter stations.

3. 0735 - CAT 349F being used to load a box truck with debris from the sed basin



4. 0805 - Cleaning truck pad.

5. 0930 - Continuing contaminated demo.

6. 1000 - Egnyte call with 3 Kings.
7. 1030 - Plant moving sand bags out away from the garage.

8. 1035 - Demo progressing.

9. 1310 - Metro Metals on-site to drop and empty box and take the scrap box. 3 Kings informed we need to have paperwork on facility.

   Box is overweight so some material has to be taken out.

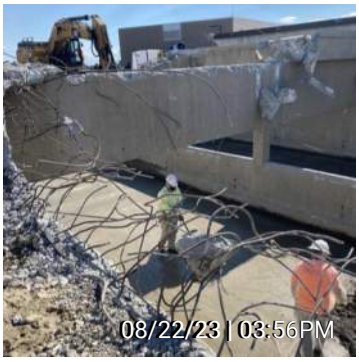
10. 1315 - Cleaning area in first bay for clean materials

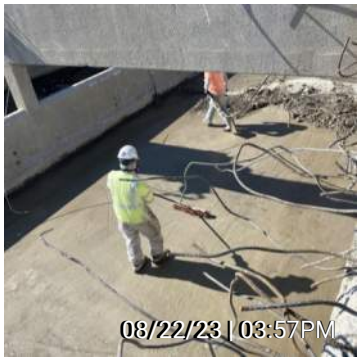
11. 1420 - Cleaning the 135G in preparation for it to leave site when the skid steer arrives.

12. 1430 - 3 Kings doing clean beam demo after Anchor inspects the cleaning of the bay.

13. 1530 - United Rentals on site to drop off skid steer him to take 135G.

14. 1600 - Anchor inspects cleaning to remove second clean beam in the SE corner moving north.

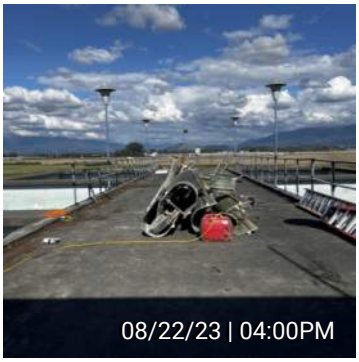




15. 1601 - CAT336 enters the excavation via the dirty ramp, and will remain in the building

16. 1640 - 3 Kings demoing the clean metal divider wall in order to get access for the CAT336 to enter the basin.

17. 1645- pre demolition removals. Prep for loose paint removal.



Site Safety Observations

No entry

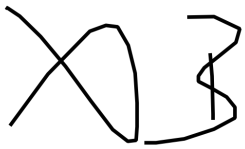
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations.
4. Air Monitoring Exceedances	☑	☐	☐	
5. Materials Delivered / Removed	☑	☐	☐	
6. Requests for Information	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 08/23/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
54°	66°	69°
Rain, Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 7 MPH | Precipitation: .0" | Humidity: 65%	Wind: 2 MPH | Precipitation: .0" | Humidity: 58%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Claudio (Abatement Supervisor) 4 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Doug Musser (Demolition Lead)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700- Morning meeting occurred in 3 King's trailer. Topics covered included switching PPE when entering

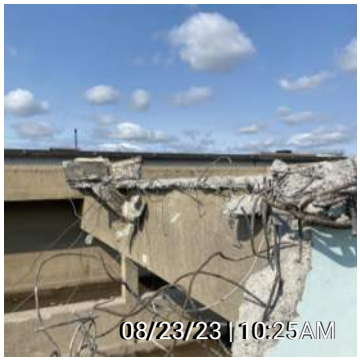
and leaving the floor or the sed basin

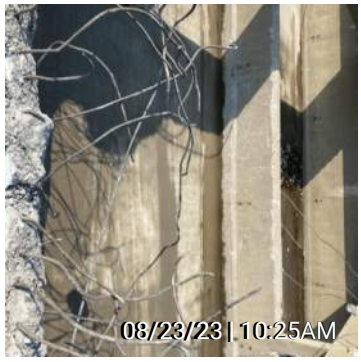
2. 0710- Anchor sets up site perimeter stations.

3. 0725 - Starting point for todays demo work on the Sed Basin.

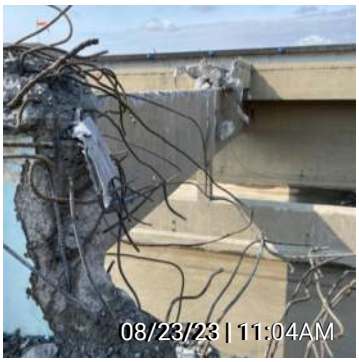
4. 0845 - Skid steer down in the basin to clean material and sweep.

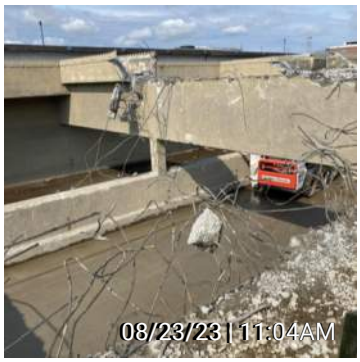
5. 1025 - 3 Kings asks Anchor to inspect the clean on the next two beams. The bottom clean looks good but on the second beam the bottom of the trough is still on top of the beam and there's a little bit more contaminated material to clean up before breaking that beam down.





6. 1105 - Anchor inspects clean bays for next two support beams.





7. 1110 - Hammering center divide.

8. 1120- Kings begins removing material from second bay in the filtration basin. Plastic sheeting had been placed in all northern bays.

9. 1325 - Processing clean concrete beams.

10. 15:30 Material continues to be removed from the filtration basin

11. 1540 - Demo continues with eastern pilers. Two laborers are moving concrete from the fence into the bottom of the sed basin and sawing rebar pieces flush with the side of the sed basin.

12. 1620 - Tom back on-site with CAT336 buckets.

Site Safety Observations

No entry

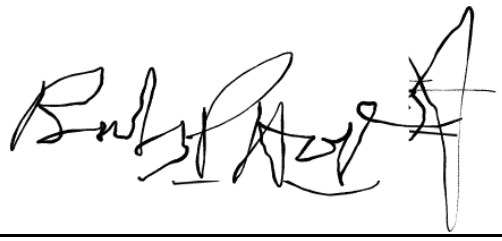
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	336 buckets
6. Requests for Information	☐	☑	☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 08/24/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
52°	67°	70°
Partially cloudy	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 94%	Wind: 10 MPH | Precipitation: .0" | Humidity: 66%	Wind: 13 MPH | Precipitation: .0" | Humidity: 62%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Claudio (Abatement Supervisor) 4 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Rebecca Desrosiers (Project Engineer)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700- Anchor and 3 Kings on site and attend the safety meeting. Plan for the day is to move all the material from the filtration basin into the admin building to dispose of with the building demo and to continue

demolition activities on the sed basin.

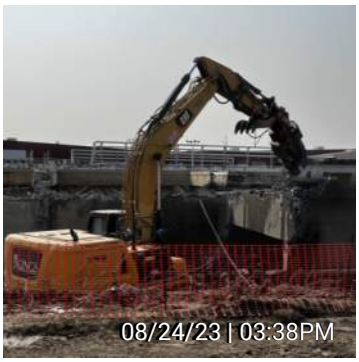
2. 0715-Anchor sets up site perimeter stations.

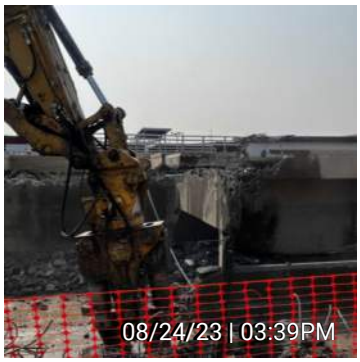
3. 0800- 3 Kings has moved their 336 into the bottom of the sed basin

4. 0830 - Demo on the center trough is too far away for the hose to be affective. Anchor requests that the suppression be adjusted to better reach. Based on elevated readings at station one downwind of the work.
5. 0915- 3 Kings finished removing materials from the second bay of the filtration basin and are continuing to pile debris inside the admin building

6. 0930 - Rebecca Desrosiers on-site.
7. 1000 - Weekly progress meeting.
8. 1030 - Anchor and Fred tour the site and go over progress and questions.
9. 1330-Anchor staff acquired a sample of the plastic material from within the sed basin.

10. 1530 - 3 Kings demo team found a pipe within the sed basin structure





11. 1615 - Anchor does drone survey of clearwell protections.

12. 1700 - 3 Kings prepping for next week. Fueling the excavators, switching attachments and getting ready for loadout. Anchor inspects to clean the area and clean being ready for demolition first thing next week.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	

2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Sample of plastic material sandwiched in concrete.
10. Lab Results Received	☐	☐	☑	Results for soil removal area 4B came back <1ppm total PCBs.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 08/28/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

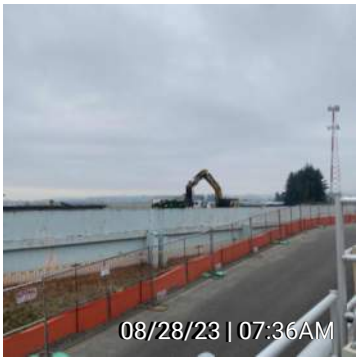
6:00 AM	12:00 PM	4:00 PM
57°	64°	64°
Partially cloudy	**Overcast**	**Overcast**
Wind: 0 MPH | Precipitation: .0" | Humidity: 96%	Wind: 6 MPH | Precipitation: .0" | Humidity: 87%	Wind: 6 MPH | Precipitation: .0" | Humidity: 91%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor 4 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue demolition on the sed basin and loadout. Second crew is also working on pre-demo removals in the filtration basin.
2. 0710 - Loadout truck is on site. Only one truck for the day but they will try to do three turns.



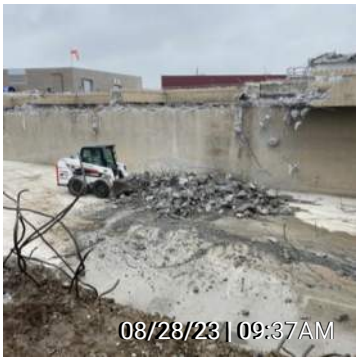
3. 0715 - Gravel deliveries begin to coat the road.
4. 0730 - Anchor sets up site perimeter stations. Station 1 starts above 100 ug/m3 presumably because of the haze and truck exhaust.

5. 0757 - Fiber glass (general garbage) box being taken offsite. Empty box dropped.

6. 0800 - 3 Kings to begin with demo of clean beam. Anchor inspects that ground is clean.

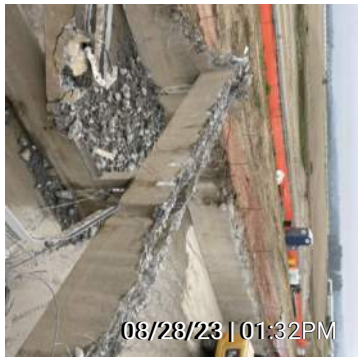
7. 0805 - 3 Kings change the teeth on the processor.

8. 0930 - Clean up of clean demo debris from beam and divider wall.



9. 1000 - Site team meeting and payment app review.
10. 1115 - Demo of bulk product waste around the expansion joint area.

11. 1330 - Clean up of contaminated debris.



12. 1336 - Loose paint begins in northern bays after working on plastic in the southern bays.

13. 1620 - Removal of partition wall in the vicinity of expansion joint.

Site Safety Observations

No entry

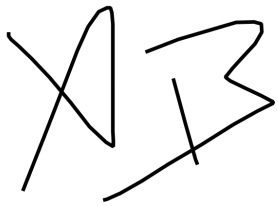
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light from SE Afternoon wind: SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel deliveries
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☐	☑	Thunder and lightning at the end of the day.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads of bulk product concrete. 1 load of general debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 08/29/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
59°	61°	59°
Overcast	**Overcast**	**Rain, Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 8 MPH | Precipitation: .0" | Humidity: 90%	Wind: 2 MPH | Precipitation: .0" | Humidity: 97%

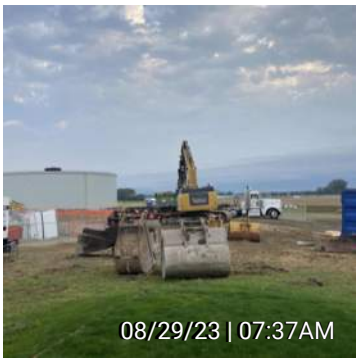
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Tanner Kamila-Lindell (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition of the sed basin and continue loose paint removal and pre demolition activities in the filter basin and admin building.

2. 0715 - Anchor sets up air monitoring stations.
3. 0735 - 3Kings loading out PCB bulk product concrete. Two trucks on-site.



4. 0815 - 3 Kings hosing off the loadout spill sheet.

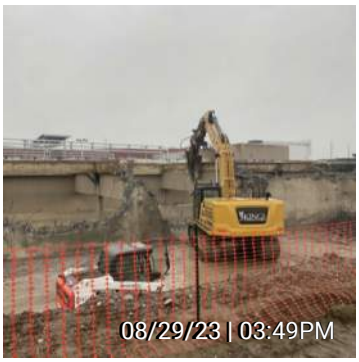
5. 0930 - Loose paint removal progress.

6. 1125 - 3 Kings cleaning out the basin to move to clean demolition.

   Water build up is preventing them from doing much more north demolition of clean material.

7. 1355 - Dust alert at Station 2.
8. 1545 - Anchor shuts down air monitoring due to rain.

9. 1550 - Continuing contaminated demo on the west half of the basin.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light wind SW Afternoon wind: 5-10 mph SW
4. Air Monitoring Exceedances	☐	☐	☑	1355 - Station 2 exceedance. No observed cause, likely demo related spike.
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

Plastic sample came back ND for PCBs

10. Lab Results Received	☐	☐	☑	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads of PBC bulk product waste concrete.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 08/30/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
57°	65°	70°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 7 MPH | Precipitation: .0" | Humidity: 88%	Wind: 3 MPH | Precipitation: .0" | Humidity: 70%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Tanner Kamila-Lindell (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

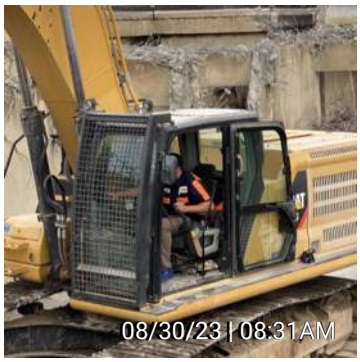
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue sed basin demolition and loose paint scraping in the filtration basin.
2. 0715 - Anchor starting up the air monitoring stations.

3. 0720 - Trucks on-site for loadout of PCB bill product demolition debris.

4. 0750 - 3 Kings switching to removals on the south side of filter basin, will be tracked separately from loose paint removal.

5. 0830 - Mechanic on-site to work on CAT 336.



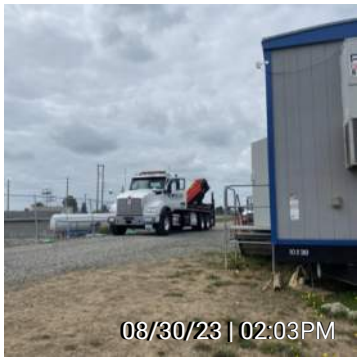
6. 0835 - 3 Kings cleaning up paint chips that fell outside the exclusion zone.

7. 1000 - Delivery of utility protection plates.

8. 1000 - Continuing clean demolition.

9. 1100 - Biweekly client meeting.
10. 1155 - 3 Kings adjusting seal, so that no water leaks. Right now the trim system has not been hooked up or pumped so rain leaking and released will be rainwater from the tank.

11. 1400 - More steel plates being delivered.



12. 1405 - Progress on removals in filter basin.

13. 1625 - Lost a tooth on the processor.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Mechanic looking at the DEF system on the CAT 336. United rentals on-site delivering cable for the pump.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 mph South Afternoon wind: 5-10 mph SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Utility protection plates.

6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☐	☑ Stormwater permit issued.
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 4 loads of PBC bill product concrete.

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 08/31/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
58°	65°	67°
Overcast	**Overcast**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 10 MPH | Precipitation: .0" | Humidity: 88%	Wind: 12 MPH | Precipitation: .0" | Humidity: 77%

Work Logs

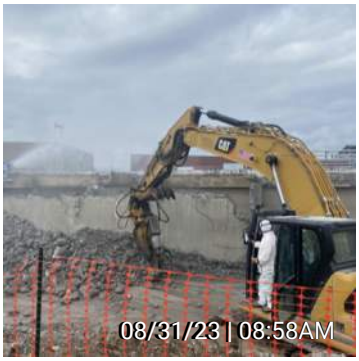
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Tanner Kamila-Lindell (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

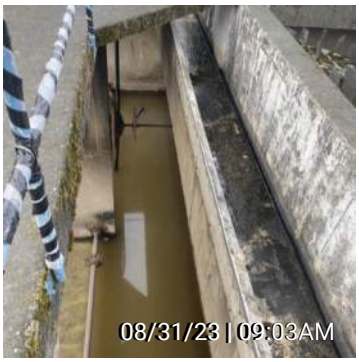
1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is continue demolition on the sedimentation basin and continue removals and possibly loose paint removal on the filtration basin.

2. 0715 - Anchor sets up site perimeter stations.
3. 0720 - First trucks on-site and prepping to be loaded.

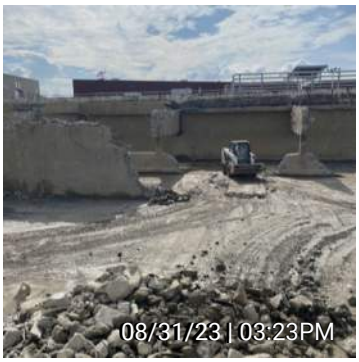
4. 0900 - Demo with dust suppression.

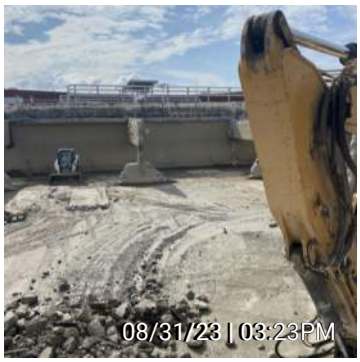


5. 0905 - 3 Kings has started pumping water into the baker tanks.



6. 1000 - Weekly progress meeting.
7. 1030 - Follow up internal (Anchor QEA) discussion.
8. 1520 - Cleaning in preparation for clean demolition.





9. 1545 - A Bleichner offsite for the day.
10. 1630 - Demo of clean wall with dust suppression

11. 1620 - alert for dust over 1 ug/kg at Anchor Dust 4 (furthest from demo area). TKL monitoring demo activities - dust suppression in use, location is upwind of demo, so does not appear that demo activities caused increase in dust levels

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 mph ESE Afternoon wind: 5 - 10 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☐ ☑	3 Kings will crush material on-site due to complications with sending the material offsite for recycling.
12.	Unusual Events/Activities	☐	☐ ☑	3 Kings began pumping water into the baker tanks.
13.	Waste Disposal	☐	☐ ☑	4 loads of PCB bulk product concrete.

Survey Photos

12.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 09/05/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
55°	62°	67°
Partially cloudy	**Overcast**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 97%	Wind: 6 MPH | Precipitation: .0" | Humidity: 71%	Wind: 2 MPH | Precipitation: .0" | Humidity: 58%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Rebecca Desrosiers (Construction Manager) Tanner Kamila-Lindell (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		0	0	**0**

General Notes

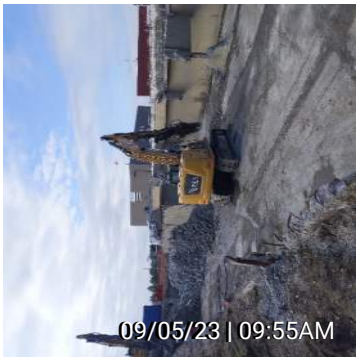
1. 0700 - 3kings and AQ on site. Daily health and safety meeting. Plan for day is continued demo of sed basin, paint scraping in filtration basin.
2. 0715 - AQ sets up air monitoring locations. Location AC3 has difficulty turning on.

3. 0730 - loading dirty material onto trucks. CAT 336 being serviced. Service provider wearing boot covers while in exclusion zone.

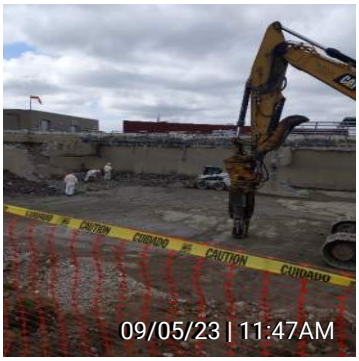
4. 0845 - demo of clean material. Dust suppression measures in place.

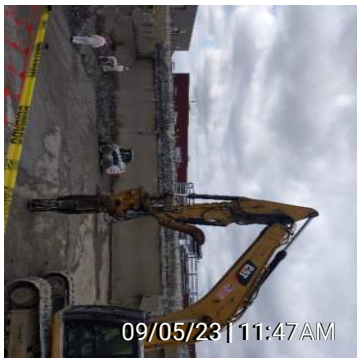
5. 0945 - loose paint removal on exterior of filtration basin

6. 0955 - continued demo of clean material. Whole clean portion of beam demolished since starting this morning.



7. 1140 - demo of trough as PCB bulk product waste.

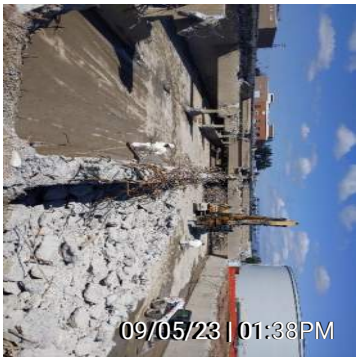




8. 1150 - continued paint scraping on filtration basin. Exterior - 2 people. Interior 3 people.
9. 1215 - loading third truck of the day with PCB bulk product waste. Sheeting used for wheel wash following loading

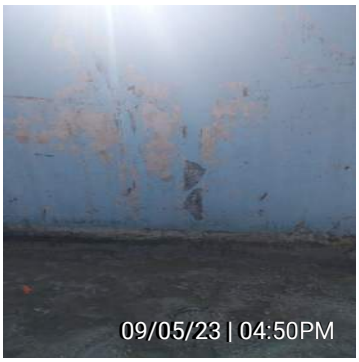
10. 1315 - truck #4 loaded with PCB bulk product waste

11. 1330 - cleanup of remaining dirty material, and cleaning of floor before moving to start on clean material (remaining beam on SE side of basin)

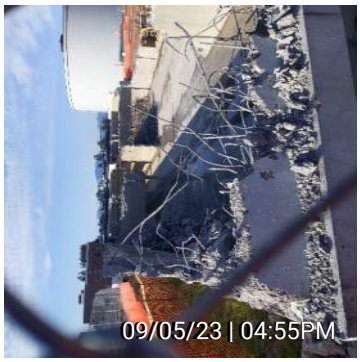


12. 1430 - prep for additional scraping of loose paint on filtration basin

13. 1530 - demo of trough (dirty material) in SE corner of basin
14. 1645 - filtration basin loose paint scraping complete. Plastic sheeting removed.



15. 1650 - trough in SE corner fully removed



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages				

	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 5-10mph SW Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 09/06/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

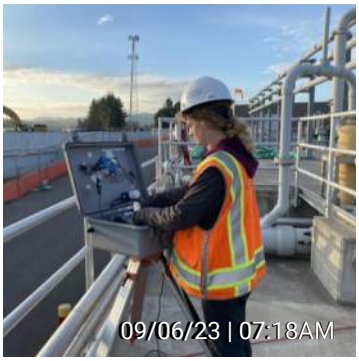
6:00 AM	12:00 PM	4:00 PM
49°	66°	67°
Partially cloudy	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 68%	Wind: 7 MPH | Precipitation: .0" | Humidity: 62%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336. Other: Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Tanner Kamila-Lindell (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site for safety meeting. Plan for the day is to continue sed basin demo and continue loose paint removal in the filter basin.
2. 0715 - Anchor sets up air monitoring stations.



3. 0720 - Trucks on-site being loaded.

4. 0815 - Continuing to clean out filter basin bays.

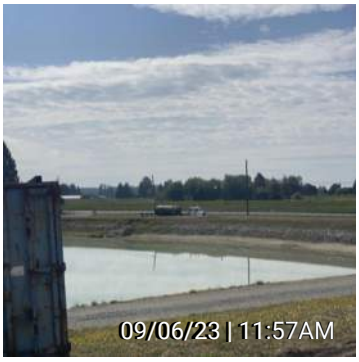
5. 0820 - Demo along the exterior wall of the basin. 3 Kings doing a good job of moving contaminated material back into the basin as it falls to the outside.

6. 0925 - 3 Kings filtering the water from the filter basin deep troughs so it can be pumped to the baker tanks.

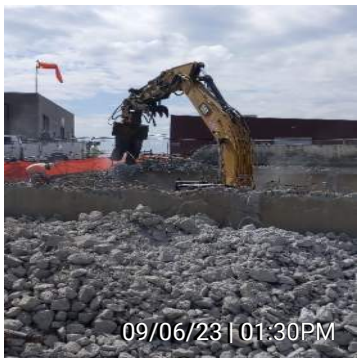
7. 0927 - Large leak on the CAT336.

8. 1115 - Anchor notifies Brian of the small spill. Still working out the notification requirements.
9. 1150 - Jason from 3 Kings called to inform Anchor a spill has been reported and they will get the spill number to us when it is filed.
10. 1155 - 3 Kings cleaned the site and bagged the absorbent for removal with the other oil waste.

11. 1157 - Waste trucks back on site for second round.



12. 1320 - cleanup of remaining dirty material in SE portion of basin from work this morning and continued demo of trough in SE corner moving to the W. Dust suppression measures in place.



13. 1440 - loose paint scraping progress in troughs of filtration bays

14. 1415 - Brian talked to Anchor and Tom about the city, taking material from lagoon one in lagoon two in stock piling it for use as fill. It is still in the contracting phase, but could begin as early as Monday, September 11.

15. 1330 - Anchor recalibrates AC3. Readings were continuing to increase throughout the afternoon and the meter needed to be cleaned out and zeroed.

16. 1645 - 3 Kings continuing to clean in preparation to demo clean beams.

17. 1710 - Area cleaned and inspected for clean demo in the morning.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☐	☑	0930 - 1200 - CAT336 down with a hydraulic fluid leak.
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-10 N
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Additional bucket brought to site.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Spill of hydraulic fluid in the sed basin.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads of PCB bulk product concrete debris.

Survey Photos

5.

I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 09/07/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
53°	63°	66°
Overcast	**Partially cloudy**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 81%	Wind: 2 MPH | Precipitation: .0" | Humidity: 74%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336 CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition in the

sedimentation basin and continue loose paint removal and begin impacted media removal in the filter basin.

2. 0715 - Anchor sets up the site perimeter air monitoring stations.
3. 0720 - Waste load out trucks on site to begin material removal.
4. 0737 - Station 1 readings increase due to dry sweeping in the basin. Anchor, informs, 3Kings to wet the area while sweeping.
5. 0820 - Demo of clean beams.

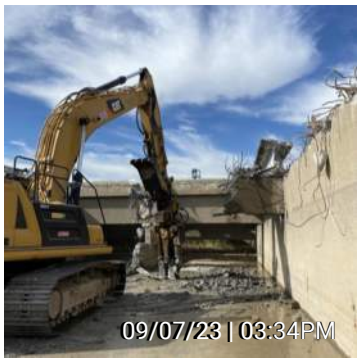
6. 1000 - Crew begins removal of impacted filter media.

7. 1050 - Second pile of clean material started in the southwest corner.

8. 1111 - Haul truck being delivered to the site. Two pallets of supplies also being delivered.

9. 1515 - Trucks back on-site for loadout.

10. 1530 - Anchor inspects the basin from the interior.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	United rentals on-site to service AC in the skid steer
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SSE Afternoon wind: 5-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Haul truck. CAT 323. Two pallets of supplies.

6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 09/08/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
50°	54°	67°
Overcast	**Overcast**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 100%	Wind: 2 MPH | Precipitation: .0" | Humidity: 96%	Wind: 8 MPH | Precipitation: .0" | Humidity: 64%

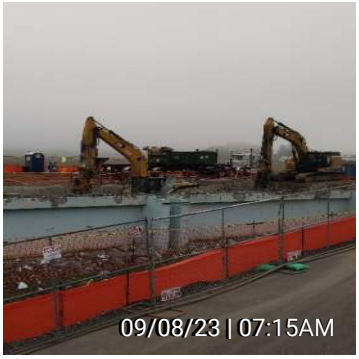
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336 CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Tanner Kamila-Lindell (Inspector), Barnaby Hoit (Construction Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - daily safety meeting. Plan for day is to continue demo in sed basin and continue removal of filter media in filtration basin.
2. 0710 - AQ sets up air monitoring locations

3. 0715 - one truck on site, loaded with bulk PCB material



4. 0730 - troubleshooting AC1, unable to set up standard program for monitoring. Running on survey mode and will perform periodic checks to document readings
5. 0740 - AC1 reading 0.035 mg/m3

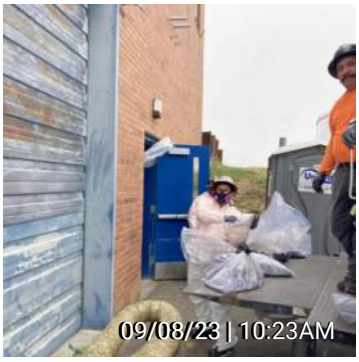
6. 0815 -AC1 @ 0.044mg/m3
7. 0815 - demo of clean materials, dust suppression measures in place

8. 0842 - AC1 @ 0.036 mg/m3
9. 0845 - cleanup of dirty material

10. 0850 - removal of top few inches of filter media

11. 0915 - AC1 @ 0.036 mg/m3
12. 0937 - AC1 @ 0.036 mg/m3
13. 0940 - processing/moving rebar

14. 0945 BDH arrives, debrief with Tanner.
    Walk site, ongoing sediment basin demo, and removal of filter media (top layer).
    Unable to calibrate touch screen on air monitor 1.



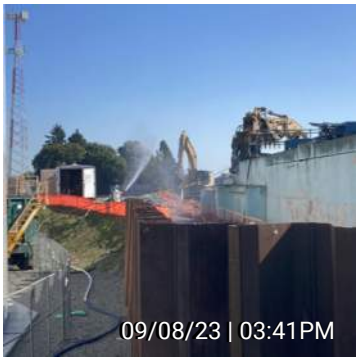
15. 1011 - AC1 @ 0.041 mg/m3
16. 1105 - AC1 @ 0.036 mg/m3
17. 1110 - ongoing processing of rebar/debris in basin with dust suppression measures in place.

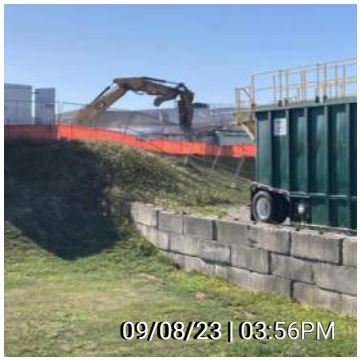
18. 1115 - continued removal of filter media from filtration basin
19. 1135 - AC1 @ 0.035 mg/m3
20. 1145 - ongoing demo of clean wall. Dust suppression measures from above basin and from basin floor

21. 1215 - AC1 @ 0.034 mg/m3
22. 1245 - AC1 @ 0.036 mg/m3
23. 1250 - TKL departs site
24. 1539 walk site. Cloud cover gone, sunny and bright.

Demoing PCB painted east wall of sedimentation basin.

5 crew plus supervisor scraping top 2” of media from filtration basins. On fourth cell (basin half) from east, on south side (3 cells complete). Bagged media being stored in garage bay of building. (Transferred with box truck.)





25. 1552 Station 1: 0.034 mg/m3

26. 1619 zero calibration on air monitoring Station 3.
After zero, reading: 0.000

27. 1650 work stopped for day.

28. 1719 download data and shutdown monitoring stations.

Site Safety Observations

No entry

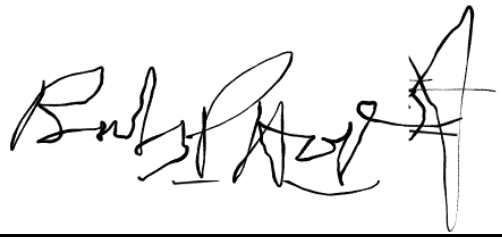
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☑	☐	☐	
2. Work Stoppages	☑	☐	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☑	☐	☐	
5. Materials Delivered / Removed	☑	☐	☐	

6. Requests for Information	☑	☐	☐
7. Health and Safety Information	☑	☐	☐
8. Problems/Deficiencies	☑	☐	☐
9. Lab Samples Collected	☑	☐	☐
10. Lab Results Received	☑	☐	☐
11. Important Communication	☑	☐	☐
12. Unusual Events/Activities	☑	☐	☐
13. Waste Disposal	☑	☐	☐



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 09/11/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
58°	63°	67°
Overcast	Overcast	Overcast
Wind: 2 MPH | Precipitation: .0" | Humidity: 98%	Wind: 6 MPH | Precipitation: .0" | Humidity: 88%	Wind: 6 MPH | Precipitation: .0" | Humidity: 68%

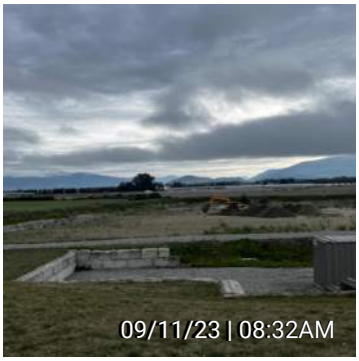
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336 CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Doug Musser (Demo Lead)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Morning safety meeting. Plan for the day is to continue sed basin demo and continue impacted filter media removal.
2. 0720 - Anchor sets up air monitoring stations.
3. 0730 - Truck arrives to begin loadout.
4. 0815 - Impacted media removal.

5. 0830- Soil excavation continues from the lagoon



6. 1000 - City working on excavating Lagoon 1.

7. 1045 - Small hydraulic leak on the processor.

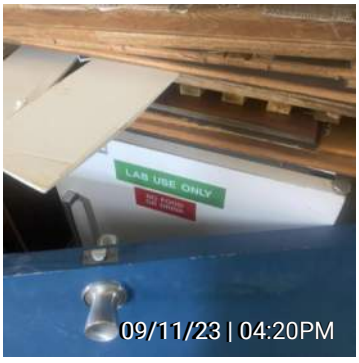
8. 1150 - Maintenance of processor within containment. Cylinder needs to be repaired at a mechanic shop.

Tom is going to take it to the shop and pick up another processor in Longview. Demo should continue tomorrow. This afternoon they will work on starting the staging area for clean material.

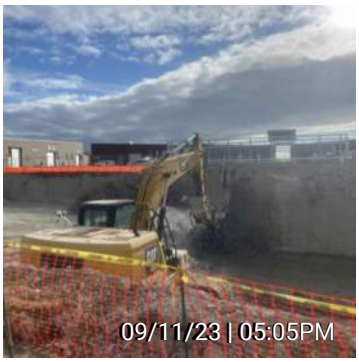
9. 13:45- Excavation progress in the lagoon basin

10. 1400-Media removal continues in the filter basin

11. 1620 - Confirm with 3 Kings and CFCs removed.



12. 1700 - Demo of clean dividing wall with the hammer.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☐	☑	3 Kings processor cylinder malfunction, needs to be removed and repaired. Getting a new processor from another site for tomorrow. Demo down from 9am to 4pm essentially.
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Treatment plant begins excavation in Lagoon 1.
13. Waste Disposal	☐	☐	☑	4 loads of PCB concrete.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 09/12/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
53°	64°	65°
Partially cloudy	**Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 8 MPH | Precipitation: .0" | Humidity: 77%	Wind: 1 MPH | Precipitation: .0" | Humidity: 73%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336 CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; Demo hammer, buckets, and 2 processor attachments, 2 clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Doug Musser (Demo Lead) Margaret Carrillo-Sheridan (Principal Engineer) Jerzy Cebula (Demo Lead) Rebecca Desrosiers (Project Engineer)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

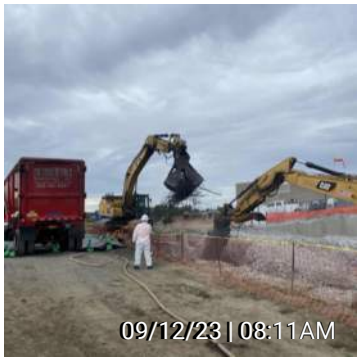
General Notes

1. 0700-Morning meeting today covered todays activities of having the rebar being picked up from the site, and replacing the broken processor from yesterday, as well as contributing to remove media from the filter basin.
2. 0710-Anchor sets up air monitoring stations.
3. 0735 - Leaking sand bags, need replaced.

4. 0740 3Kings is preparing for rebar removal

5. 0800 - Need to construct staging area for hydraulic attachments.

6. 0805 - New processor on the equipment, ready to load rebar.

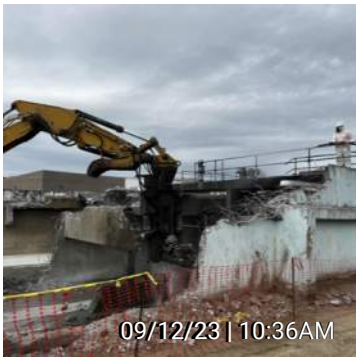


7. 0820- The COA is using 2 dump trucks to move soil from lagoon 1 to the stockpile area near the contractor trailers
8. 0845 - Label and spill kit for generated. Does TSCA have to be managed as RCRA?

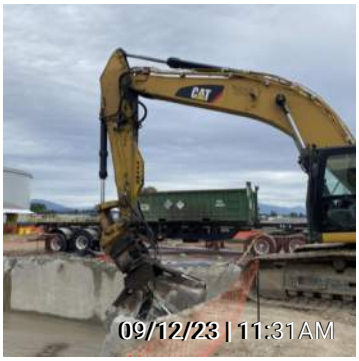
9. 0915-Secondary containment needed for oil-filled drums In administration building.

10. 0945 - Continued demolition of clean material.

11. 1030-demolition activities continue in the sed basin



12. 1130 - Trucks on-site for PCB disposal.



13. 1415- 3 Kings placed secondary containment under hydraulic attachments

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Anchor management team.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-10 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	New processor delivered.
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads of PCB concrete and metal.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 09/13/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

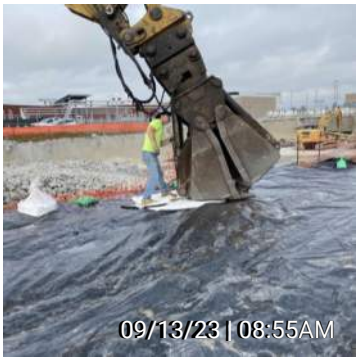
6:00 AM	12:00 PM	4:00 PM
55°	64°	70°
Overcast	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 78%	Wind: 9 MPH | Precipitation: .0" | Humidity: 66%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 2 hydraulic processor attachments, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

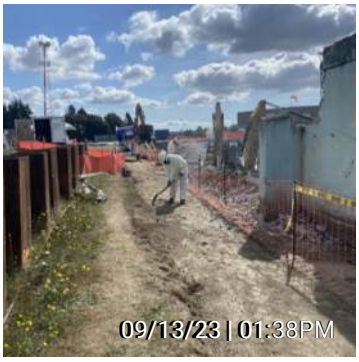
General Notes

1. 0700 - Anchor and 3 Kings on-site. Safety meeting. Plan for the day is to continue demolition of the sedimentation basin. The second crew will move to the inside of the admin building and begin regulating materials removals.
2. 0715 - Set up air stations.
3. 0720 - Trucks on-site being loaded.
4. 0850 - Minor hydraulic leak on clam bucket.



5. 1158 - City spraying water to keep the dust down.

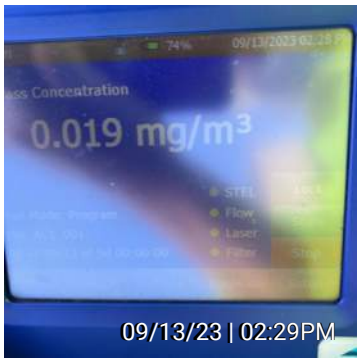
6. 1338 - Cleaning the exterior from flying debris.



7. 1422 - BDH site walk.
   City continuing to stockpile soil from north lagoon.

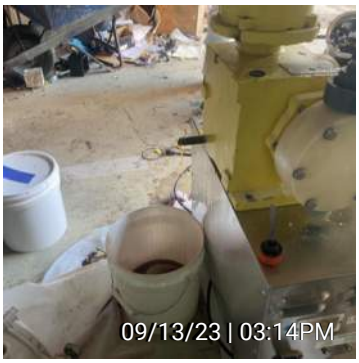
   Contractor pumping from west trench in sediment basin, to TESC tanks.

   Air monitoring station 1 is below 0.020.



Attachments: 2023-09-13_1...

8. 1515 - Draining oils from pumps.



Site Safety Observations

No entry

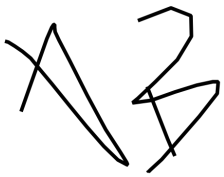
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Mechanics on-site to work on excavators.
2. Work Stoppages	☐	☑	☐	

3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations. Morning wind: Light and variable Afternoon wind: 0-5 WSW
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☐	☑ Anchor attends treatment plant health and safety meeting to present on site air monitoring.
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☐	☑ City continues to stockpile material from Lagoon 1.
13.	Waste Disposal	☐	☐	☑ 4 loads of PCB concrete and railings.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 09/14/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	67°	70°
Partially cloudy	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 100%	Wind: 5 MPH | Precipitation: .0" | Humidity: 69%	Wind: 12 MPH | Precipitation: .0" | Humidity: 62%

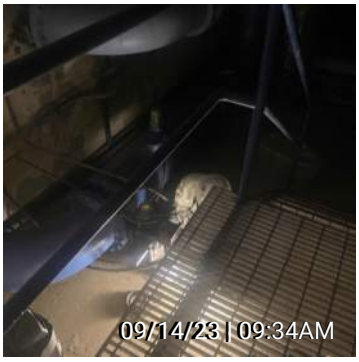
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 2 hydraulic processor attachments, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

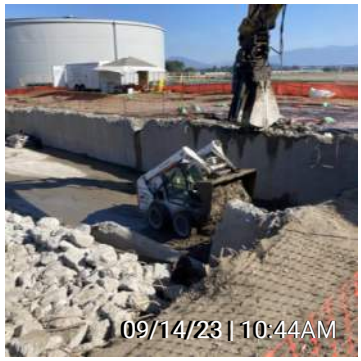
General Notes

1. 0700 - Morning meeting. Plan for the day is to continue demo on the sed basin and continue regulate materials removals in the admin building.
2. 0715 - Start up site perimeter meters.
3. 0930 - Demolition progress.

4. 0930 - Regulated materials removals in the Admin Building.



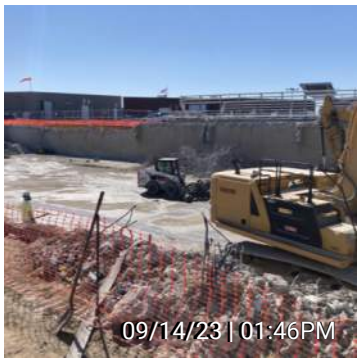
5. 1041 - BDH site walk. 3K cleaning sedimentation basin tench to “dirty” corner, and plating across trench.

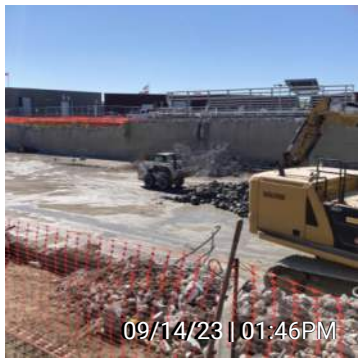


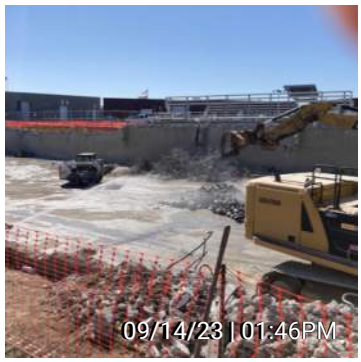
6. 1313 - 3 Kings utilizing steel plates to prevent mixing with the underlying trough and as a ramp to traverse the trough.

7. 1344 demo of wall just past trench in sedimentation basin. Using metal plates to bridge trench. Dust

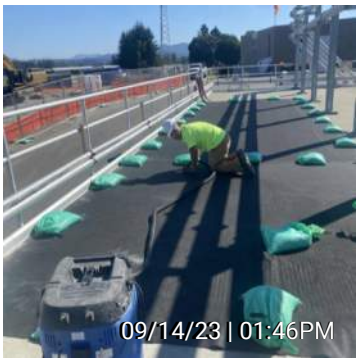
control with hoses b







8. 1345 - 3 Kings cleaning the sand off the deck where the sand leaked.



9. 1350 - Anchor flying drone to document progress, get orthomosaic, and inspect the clearwell protections.
10. 1610 - Demo crew, commencing, clean up and stockpiling efforts for next weeks load out.

Site Safety Observations

No entry

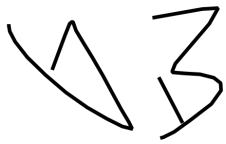
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	

2.	Work Stoppages	☐	☑	☐
3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-10 SE
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☐	☑ 3 Kings covers fire extinguisher safety in depth in the morning meeting.
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 3 loads of PCB concrete and debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 09/18/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

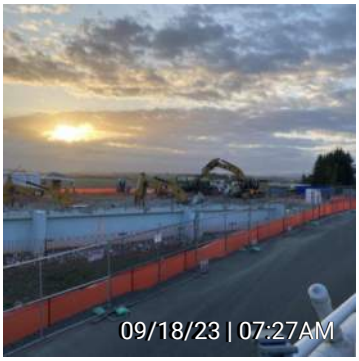
6:00 AM	12:00 PM	4:00 PM
56°	62°	65°
Partially cloudy	**Partially cloudy**	**Clear**
Wind: 5 MPH | Precipitation: .0" | Humidity: 89%	Wind: 3 MPH | Precipitation: .0" | Humidity: 61%	Wind: 3 MPH | Precipitation: .0" | Humidity: 49%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 6 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 2 hydraulic processor attachments, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site for safety meeting. Plan for the day is to continue demolition on the sedimentation basin and continue regulating materials removals within the admin building.
2. 0715 - Set up site perimeter stations.
3. 0730 - Trucks on-site to begin waste load out.



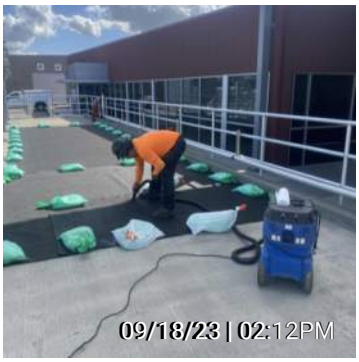
4. 0910 - Continued demolition on the dirty material in the NE corner of the sed basin.

5. 0915 - Anchor informs 3 Kings that sand bags on the filter deck continue to leak and need to be vacuumed and replaced or double bagged ASAP.

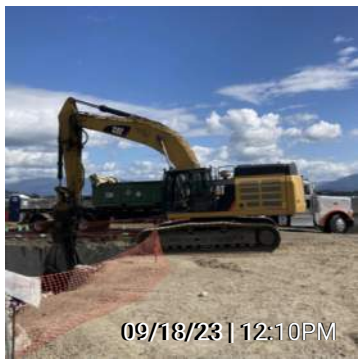
6. 1000 - Site team meeting.
7. 1130 - 3 Kings working clean material on the west portion of the basin while another machine does the material clean up on the east.

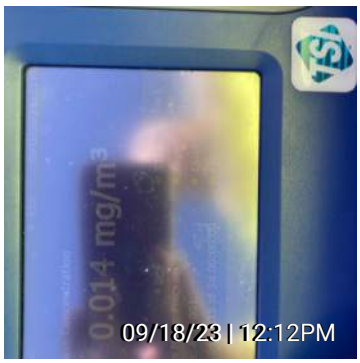
8. 1130 - , 3 Kings place is a new tarping for loadout activities.

9. 1412 - 3Kings vacuuming the sand that was released over the weekend and placing the sandbags within plastic garbage bags to keep the sand contained.



10. 1206 BDH sitewalk. Loading impacted material from sedimentation basin into containers, trucking out. Station 1 readings checked.





Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations: Morning wind: light and variable Afternoon wind: 0-5 N
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3Kings has an in-depth safety meeting covering the previous months safety issues especially related to equipment damages.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	City continues excavation of Lagoon 1.
13. Waste Disposal	☐	☐	☑	4 loads PCB concrete and debris.

Survey Photos

12.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 09/19/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
53°	61°	66°
Overcast	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 85%	Wind: 9 MPH | Precipitation: .0" | Humidity: 66%	Wind: 12 MPH | Precipitation: .0" | Humidity: 45%

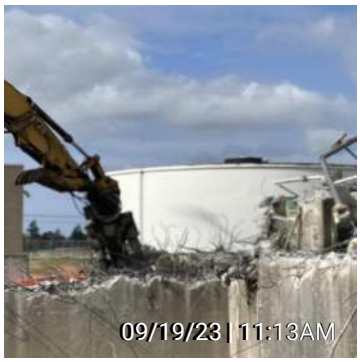
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 2 hydraulic processor attachments, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue demo of the sed basin and continue regulated removals in the admin building. 3 Kings will also move non-haz fiberglass troughs out of the building for disposal tomorrow.
2. 0715 - Anchor setting up site perimeter stations.
3. 0730 - Anchor walks with Jose to point out the painted trough pieces
4. 0745 - Anchor inspecting the rebar pile and confirming with 3 Kings no painted metal will leave site. 3 Kings will segregate now so there is no confusion.

5. 0930 - Anchor team discussion on fill materials.
6. 1115 BDH site walk.



7. 1345 - Demo continues on the north wall.

8. 1620 - Hose break on the CAT336 processor.

Site Safety Observations

No entry

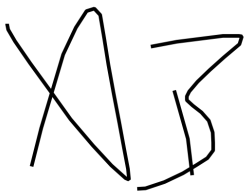
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SW Afternoon wind: 0-10 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☐	☑ 3 additional geotechnical samples collected from the lagoon pile.
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☐	☑ City continues stockpiling soil from Lagoon 1. City is also running backup generators today.
13.	Waste Disposal	☐	☐	☑ 4 loads of PCB material.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 09/20/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
52°	60°	61°
Rain, Overcast	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .01" | Humidity: 98%	Wind: 16 MPH | Precipitation: .0" | Humidity: 80%	Wind: 11 MPH | Precipitation: .0" | Humidity: 69%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 2 hydraulic processor attachments, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison and Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue sed basin, demolition and load out. The second crew will be working in the admin building removing non-impacted debris and continuing with the regulated material removal.
2. 0705 - Truck here for loading non-impacted debris.
3. 0715 - Set up site perimeter stations.
4. 0730 - 3 Kings loading fiberglass troughs into the debris box.

5. 0730 - 3 Kings begins live loading PCB debris.
6. 0740 - Box dropped outside the garage for general debris removal.

7. 0845 - 3 Kings installing cylinder on processor.
8. 0855 - Anchor inspecting garbage that goes in C&D dumpster.

9. 1115 - 3 Kings cleaning up outside the exclusion fencing.

10. 1430 - Anchor requests that 3 Kings wet down the bottom of the sand basin due to some fugitive dust from tracking around.

Site Safety Observations

No entry

Quality Control Observations

No entry

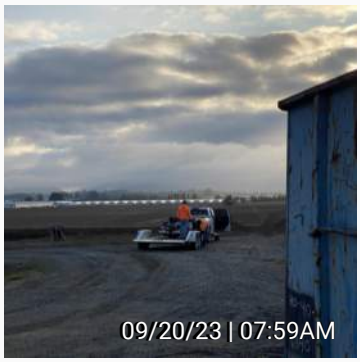
Survey

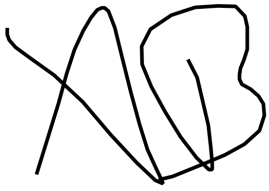
Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-10 WSW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	New processor jaws and the repaired cylinder for the broken processor brought by Randy. Randy is also taking the current processor for servicing.

6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	City continues Lagoon 1 excavation.
13. Waste Disposal	☐	☐	☑	1 load C&D debris (fiberglass troughs) 4 loads PBC concrete and debris

Survey Photos

5.





I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 09/21/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	64°	66°
Clear	**Clear**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 7 MPH | Precipitation: .0" | Humidity: 66%	Wind: 13 MPH | Precipitation: .0" | Humidity: 50%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 2 hydraulic processor attachments, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison and Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue sed basin demo and also continue regulated and C&D removal from the admin building/filter basin.
2. 0715 - Set up site perimeter stations.
3. 0720 - Truck on-site to start load out

4. 0930 - scaffolding contractor is out on site to give 3 Kings a bid.
5. 1000 - Weekly progress meeting
6. 1415 - Anchor asks that 3 Kings wait before starting pipe cutting and verification until a JSA is submitted.
7. 1500 - Processor attachment is reattached today after being down for more than a day and a half.

8. 1600 - 3 Kings , working on the clean concrete wall divider after getting their processor running.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Scaffolding company is on site to give 3 Kings a bid.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 NW Afternoon wind: 0-10 NW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Hammer removed, bringing smaller one up next week.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Morning meeting topic is knife safety on the job.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	City continues excavating lagoon material.
13. Waste Disposal	☐	☐	☑	4 loads PCB concrete and debris.

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 09/25/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

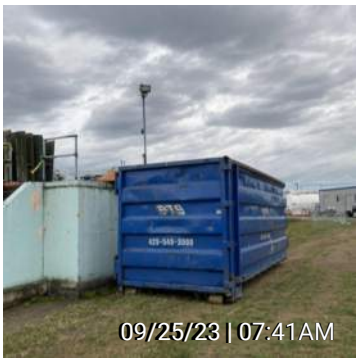
6:00 AM	12:00 PM	4:00 PM
58°	62°	64°
Rain, Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 5 MPH | Precipitation: .0" | Humidity: 94%	Wind: 14 MPH | Precipitation: .0" | Humidity: 85%	Wind: 12 MPH | Precipitation: .0" | Humidity: 83%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

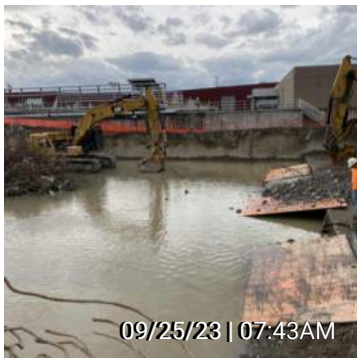
1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition on the sed basin. Vac unit is here on-site to start vacuuming the clean sand out.
2. 0720 - Anchor setting up air monitoring stations.
3. 0730 - Box on site to remove the remaining traps. The same truck left this box, took the general debris box from the admin building demo.



4. 0745 - 3 Kings loading the PCB debris box

5. 0745 - Significant amount of water ponding in the basin. 3 Kings setting up pump to remove it.

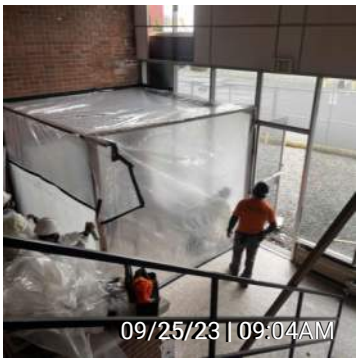
   Superintendent is arranging for water sampling from the Baker tank filtration system tomorrow, 9/26.



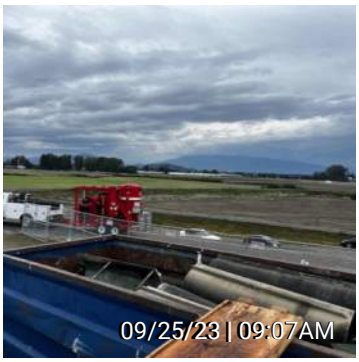
6. 0810 - Loading clean troughs into the roll off.

7. 0850- 3 Kings finished loading the PCB debris box, the pad was washed, and the truck left the site.

8. 0900 - 3 Kings is constructing a containment area around the contaminated boards for asbestos removal scheduled for tomorrow

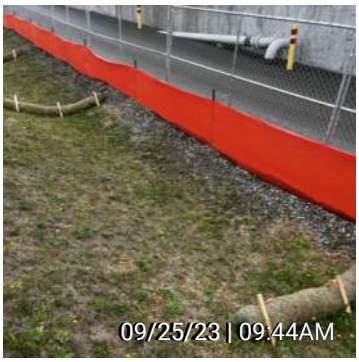


9. 0910- Vac unit was brought onto the North end of the site



10. 0915 - Trwatment plant and Anchor looking at sanitary disconnect area.

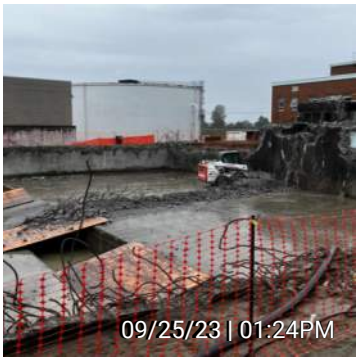
11. 0945- Swaddle placement after rain event. Stakes are all still in place.



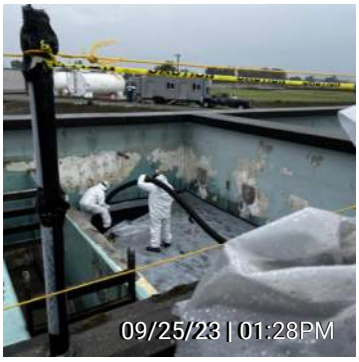
12. 1015- there is no longer significant ponding in the sed basin and processing the clean material has begun for the day.

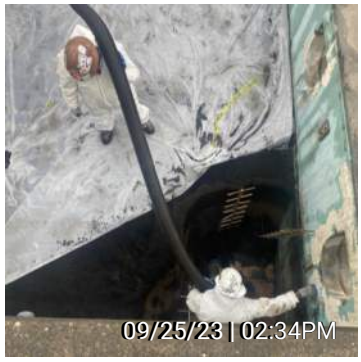
13. 1120-Air monitoring stations were shut down due to constant rain predicted for the remainder of the day.

14. 1320- 3 Kings is using their bobcat to move the clean material from the north side of the sed basin to the. Southwest corner



15. 1330- 3 Kings is using the vac truck to remove filter media from the basin





16. 1530 - Demolition resumes on the north end of the Sed Basin.

17. 1630 - Anchor requests 3 Kings adjust dust suppression to better handle the north end.
18. 17:20 3 Kings continues to vacuum media from the basin

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter air stations. Morning wind: 0-5 SE Shut down at 11am due to rain.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Vac unit for the clean sand.

6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 1 box of C&D debris. 2 boxes PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 09/26/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
57°	61°	59°
Partially cloudy	**Partially cloudy**	**Rain, Partially cloudy**
Wind: 12 MPH | Precipitation: .0" | Humidity: 91%	Wind: 18 MPH | Precipitation: .0" | Humidity: 74%	Wind: 12 MPH | Precipitation: .0" | Humidity: 80%

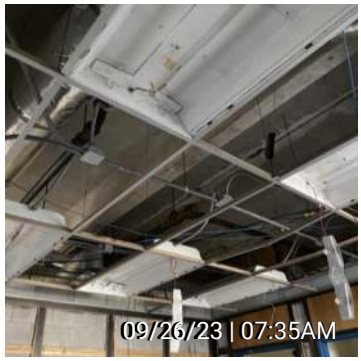
Work Logs

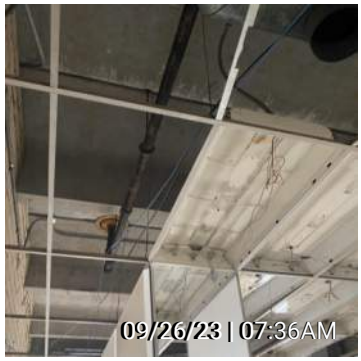
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison and Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue sed basin, demolition and filter media removal. The cement asbestos boards will also be sized for disposal today.
2. 0715 - Setting up air stations.
3. 0730 - 3 Kings begins loading debris.

4. 0735 - Progress with interior demo. Ceilings removed yesterday.

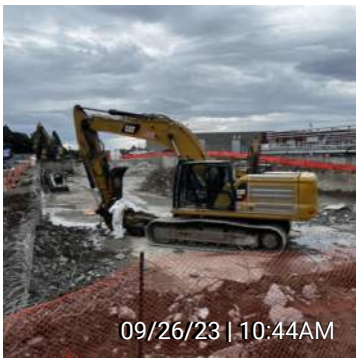




5. 0830 - EMB on-site and setting up for the CAB breaking.

6. 0915-Anchor requests 3 Kings adjust dust suppression to better handle the north end due to stone gusts and changing wind direction.
7. 1000-CAB abatement has been completed and the containment area has been removed

8. 1045- The processor of the CAT 336 began leaking



9. 1050- more metal apparatus were uncovered while vacuuming out the filter basin

10. 1115- 3 Kings repaired the processor and the unit is back in operation

11. 1130- 3 Kings is marking the final grade with a white line in the interior of the basin

12. 1150 - 3 Kings removing down to cut line in the north end of the sed basin.

13. 1230 - Metro metals on-site and dropped off a roll off.

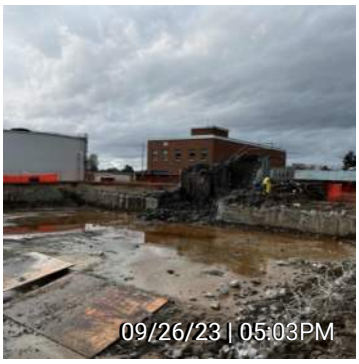
14. 1415 - Anchor requests 3 Kings label the asbestos drums from this morning.

15. 1420 - 3 Kings loading scrap metal from the building interior.

16. 1600 - Cleaned surface at cut line for dirty material.

17. 1602 - Cleanout of first bay filter media.

18. 1700- End of day progress inside the sed basin



19. 1715- 3 Kings is taking metal material from the second floor of the administration building and carrying it across the roof to load into the dumpster below

20. 1720- 3 Kings works to repair the processor on the CAT 336

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	EMB on-site for CAB processing.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Asbestos air monitoring. Site perimeter stations. Morning wind: 5-10 S Afternoon wind: 5-15 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3 Kings discusses wet surfaces and using the vacuum during the morning meeting.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received				

	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 boxes of PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 09/27/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
54°	59°	58°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 8 MPH | Precipitation: .01" | Humidity: 97%	Wind: 8 MPH | Precipitation: .0" | Humidity: 81%	Wind: 3 MPH | Precipitation: .0" | Humidity: 87%

Work Logs

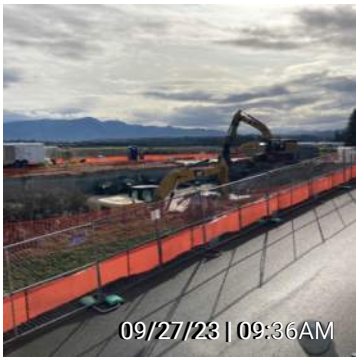
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue said basin demo at the north end to get all the dirty material out of there to be able to clean. Pre-demo removals also continue in the admin building.
2. 0715 - Set up air stations.
3. 0720 - Loading first PCB debris truck.

4. 0725 - City workers on-site pulling the Lagoon 3 stockpile material out of the Lagoon 2.
5. 1030 - Continued removal of clean filter media.

6. 0930 BDH site walk. Note vacuum trailer at filtration basins-idle. Active demo at north end Sedimentation basin. All air monitors nominal.

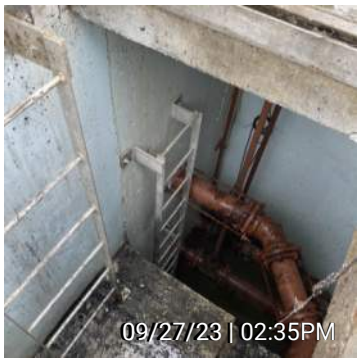


7. 1035 - 3 Kings continuing to clean dirty material after getting down to dirty cut line in the north end.

8. 1050 - Scrap box close to being full.

9. 1100 - Biweekly client call.
10. 1145 - Anchor, Brian and Mario walk the site to look at the filter basin tile and the box of pumps behind the oil shed. Brian confirms the box of odds and ends are from the new plant.

11. 1430 - Vault at north end has paint coating.



12. 1500 - Anchor informs Brian of the painted vault.
13. 1440 BDH site walk, check of air monitors. All nominal.

14. 1615 - 3 Kings resuming perimeter, wall demolition down to the cut line.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages				

	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter air monitoring. Morning wind: 5-10 E Afternoon wind: 5-10 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	3 proctor test results from second round of geotechnical sampling received.
11. Important Communication	☐	☐	☑	Painted vault at the north end of the sed basin encountered.
12. Unusual Events/Activities	☐	☐	☑	City continues removing lagoon material from Lagoon 2.
13. Waste Disposal	☐	☐	☑	3 PCB debris box.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 09/28/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
54°	56°	60°
Rain, Overcast	**Overcast**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .03" | Humidity: 98%	Wind: 8 MPH | Precipitation: .0" | Humidity: 95%	Wind: 2 MPH | Precipitation: .0" | Humidity: 60%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 7 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

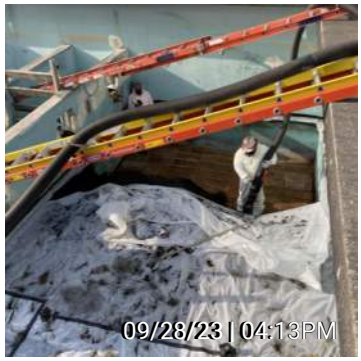
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning meeting. Plan for the day is to continue demolition and loadout in the sed basin.
2. 0700 - Truck on-site to remove box of troughs. New box will be dropped.

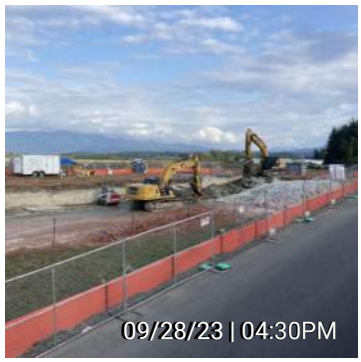
3. 0715 - Set up air monitoring stations.
4. 0930 -Clean material consolidated to provide access to do more demo down to the cut line.

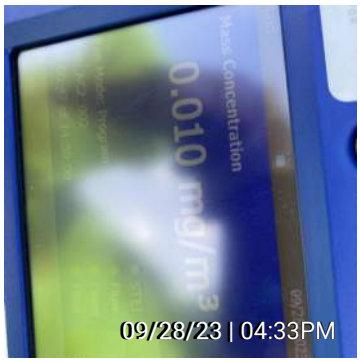
5. 1000 - Weekly progress meeting.
6. 1040 - 80 inches to platform and 172 inches to bottom of vault.
7. 1400 - Rebar processing continues.

8. 1340 Site walk. Observed crew taping over vacuum hose in attempt to seal leaks and improve performance.



9. 1630 BDH site walk. Air monitor 2 frozen, pulled power cord to shut down. Other stations stopped and powered down normally.





Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable. Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☐	☑	Lightning possible to the NW of the site in the mountains.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☐	☑	On-site discussion on the north vault. 3 Kings will remove within scope.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	1 C&D box. 1 Scrap box.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 10/02/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
50°	57°	59°
Overcast	Overcast	Overcast
Wind: 1 MPH | Precipitation: .0" | Humidity: 97%	Wind: 13 MPH | Precipitation: .0" | Humidity: 85%	Wind: 8 MPH | Precipitation: .0" | Humidity: 89%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning meeting.
2. 0730-Air monitoring stations were set up
3. 0755- 3 Kings began work to access the vault on the north side of the sed basin

4. 0805- 3 Kings is changing the tool on the CAT 349F

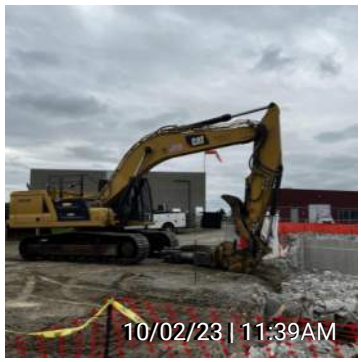
5. 0850 - Processing clean material down to size. Also decon of bobcat to go move filter media.

6. 0910 - Vault demo.

7. 1100-Jason was on site with 3 other 3 Kings employees
8. 1122-Vault demo process

9. 1125- 3 Kings is decontaminating the CAT 336 and preparing to relocate it outside of the building's footprint so a mechanic can preform routine maintenance.

   1200- The mechanic arrived onsite and informed 3 Kings they had brought the wrong piece of equipment out and will return tomorrow to change the oil on the 323



10. 1315 - 3 Kings replacing the hose on the vac unit.

11. 1410- 3 Kings is preforming maintenance on the CAT 323 and replaced the jackhammer attachment with a bucket to move dirt from the vault area

12. 1700- Vault Progress (EOD). 3 Kings laborer continues to saw rebar along the perimeter of the basin.

13. 1710- Air monitor stations were shut down. The screen on Station AC 2 was unresponsive and was restarted using the power button

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable. Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	New hose for the vac unit.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☐	☑	Revised site construction plan submitted on Friday.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 10/03/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
52°	58°	62°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 6 MPH | Precipitation: .0" | Humidity: 98%	Wind: 8 MPH | Precipitation: .0" | Humidity: 90%	Wind: 1 MPH | Precipitation: .0" | Humidity: 72%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue sed basin demo and filter media removal.
2. 0715-Air monitoring stations were set up
3. 0730-3 Kings placed a new tarp on top of the previous tarp located at the southeast corner of the sed basin

4. 0750 - 3 Kings sampling from the end of the filter train during treatment.

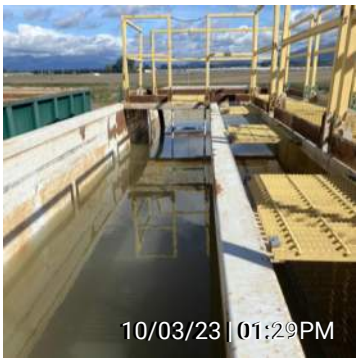
5. 0900 - Painted walls removed fully yesterday. No additional removal yet today. Painted floor still had to be removed.

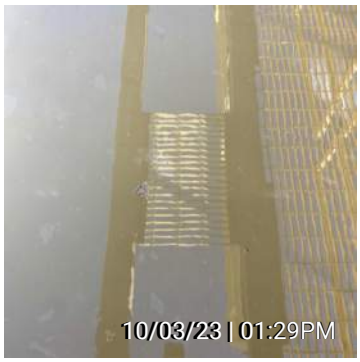
6. 1015 - 3 Kings demoing the last of the interior clean walk on the south side of the sed basin.

7. 1130- 3 Kings has gathered e-waste from the administration building and is storing it downstairs near the

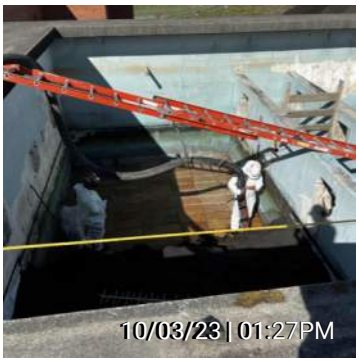
main entrance

8. 1330 - First batch of water treated.





9. 1300 - 3 Kings has built an apparatus to hold the tube to remove filter media from the filtration basins.

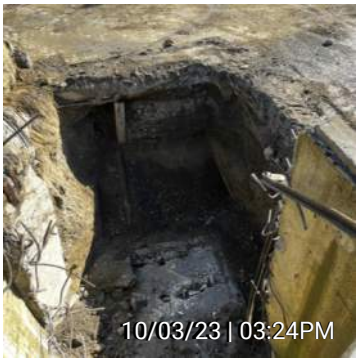


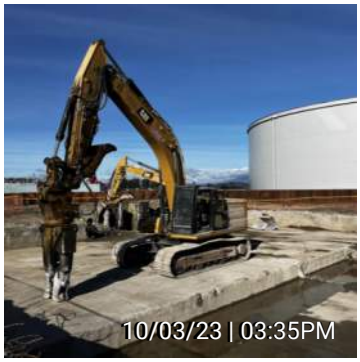
10. 1330- 3 Kings continues to remove unpainted metal from the top of the filtration basin and put them in the roll off box located on the north side of the admin building

11. 1330- The CAT 323 is being serviced by a mechanic
12. 1500- The CAT 323 has reentered the basin after having its oil changed. The jackhammer was then attached to the machine and the operator began to strike the bottom of the vault at the north end of the sed basin.

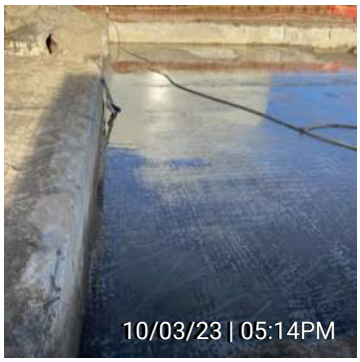
13. 1515-A 3 Kings laborer is using the hose to moisten the area on the north side of the sed basin around the vault

14. 1530- The vault flooring is being removed





15. 1630 - 3 Kings begin cleaning the area north of the trench after removing all the PCB impacted material from the vault.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Mechanic on-site to do maintenance (oil change) on the 323.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable Afternoon wind: Light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Begin sed basin wash down at 1630
13. Waste Disposal	☐	☑	☐	

Survey Photos

1.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 10/04/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
54°	57°	60°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 5 MPH | Precipitation: .0" | Humidity: 99%	Wind: 1 MPH | Precipitation: .0" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue cleaning and prepping the sed basin. Other crew will be removing filter media. Anchor will correct the first composite sample north of the trench.
2. 0715 - Set up air monitoring stations.
3. 0800 - 3 Kings finishing the fourth bay and then planning to move over to the southside in order to open up a few representative bays to complete the sampling

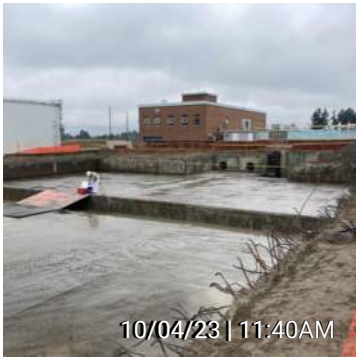
4. 0815 - Continuing with hosing north end of sed basin clean.

5. 0830 - Anchor attends plan weekly safety meeting. Provides demo update.
6. 0930 - Anchor walks with the treatment plan folks to discuss the process piping removal plan and white residuals may remain.
7. 1030 - 3 Kings , moving sand into the previous soil removal area in order to flatten it to bring a machine to assist with filter media removal.

8. 1035 - 3Kings deconning the 349 to assist with the filter media removal.

9. 1115 - Positioning machine to scoop out filter sand.

10. 1145 - Anchor collects the concrete composite sample north of the trough.



11. 1420 - 3 Kings continues removing sand with the excavator to get the bulk material out. Working on the fourth bay.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Supply delivery.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Anchor collects concrete composite sample north of the trough.
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 10/05/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
54°	63°	63°
Overcast	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 100%	Wind: 10 MPH | Precipitation: .0" | Humidity: 87%	Wind: 12 MPH | Precipitation: .0" | Humidity: 82%

Work Logs

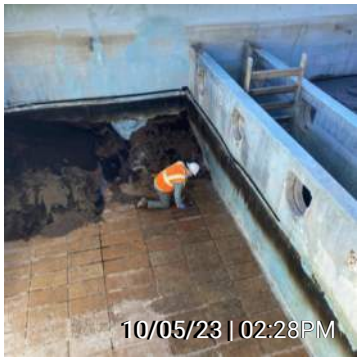
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

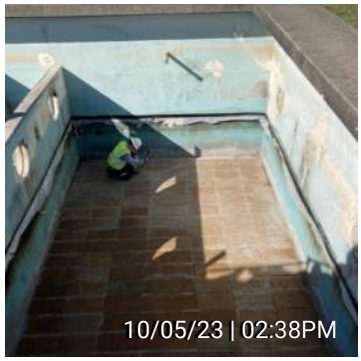
General Notes

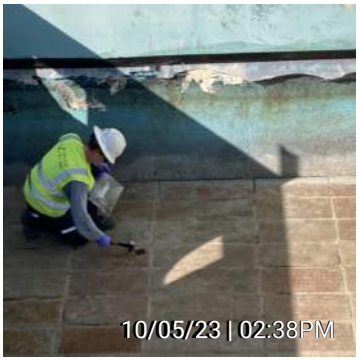
1. 0700 - Anchor and 3 Kings on-site. Morning meeting. Plan for the day is to continue filter media removal and the second crew will go inside the admin building to work on pipe removal and verification.
2. 0815 - Set up air monitoring stations.
3. 0920 - Other crew working on filter media removal.

4. 1000 - Weekly progress meeting.
5. 1100 - Anchor walks with 3 Kings to go over filter basin/admin building demo sequence.
6. 1345 - Anchor talks to the active plant about utility disconnection locations.
7. 1350 - 3 Kings are moving process piping.

8. 1430 - Anchor collecting filter tile samples for compositing.







Site Safety Observations

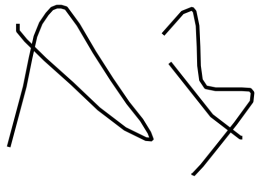
No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Pipe cutting in verification JHA reviewed in the morning meeting.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Sample of tile from underneath filter, media, collected by Anchor, and sent to the lab.
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Oil drums and bulbs taken offsite.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 10/09/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
62°	66°	63°
Clear	**Clear**	**Rain**
Wind: 8 MPH | Precipitation: .0" | Humidity: 78%	Wind: 14 MPH | Precipitation: .0" | Humidity: 67%	Wind: 8 MPH | Precipitation: .01" | Humidity: 91%

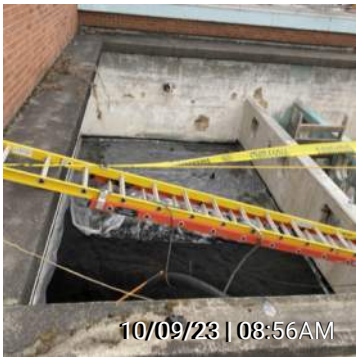
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

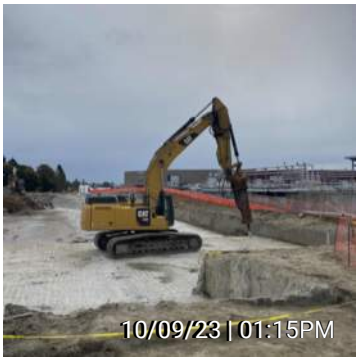
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue filter media removal. Sample for north sed basin was clean so they can hammer and move the clean material.
2. 0715 - Set up air stations.
3. 0730 - Loadout resumes this week.

4. 0855 - Vaccing out the last north bay.



5. 1315 - Fracturing of the slab north of the trough.



6. 1500 - Clean material being placed north of the trough.

7. 1100 BDH zero Station 3, which was reading high (50-60) for conditions, and compared to other stations. After zero calibration, readings where dropping to negative. Attempted another zero calibration, but monitor

errored. Powered cycled twice to complete another zero calibration. Readings still dropping below zero. Checked other stations, where nominal. 3K's hammer still not attached to excavator.

8. 1400 BDH site walk. 3K vacuuming last (west) filtration bay on north side. South side basins have remainder from previous excavator cleaning.
3K receives drum delivery.
North end of sedimentation basin has been perforated, and 3K currently moving clean material from south end piles.

9. 1655 - Leaking drum cleaned up and transferred into new drum. Consolidating drums.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 10-15 S Afternoon wind: 10-25 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Larger demo hammer.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Anchor reminds 3 Kings again about the tarping and untarping of boxes by climbing up on the truck. 3 Kings says they will look into getting a pole.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	North sed basin sample came back ND.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 10/10/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

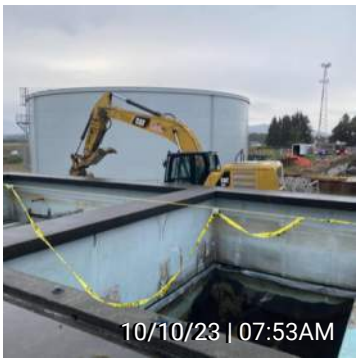
6:00 AM	12:00 PM	4:00 PM
56°	56°	60°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 10 MPH | Precipitation: .0" | Humidity: 85%	Wind: 13 MPH | Precipitation: .0" | Humidity: 84%	Wind: 13 MPH | Precipitation: .0" | Humidity: 80%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

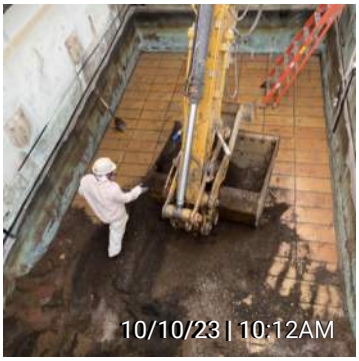
General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue filter basin media removal and cleaning sed basin.
2. 0705 - Wait to start air monitoring until the rain stops.
3. 0745 - 3 Kings to use the excavator and two laborers to begin digging out some of the partially filled filter media base.



4. 1010 - 3 Kings moving clean material to the north end of the sed basin.

5. 1012 - 3 Kings shoveling by hand the filter media.



6. 1330 - 3 Kings cycling the water through multiple times in dirty tank closed loop.

7. 1300 BDH container leaving site.

8. 1540 BDH site walk. Crews shoveling media from filter basins into excavator. Continuing transfer of clean concrete debris to north end if sedimentation basin. Checked air monitoring stations, all nominal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations started around 10am after rain let up. Morning/afternoon wind: 5-15 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Filter tile sample came back ND.

11. Important Communication	☐	☐	☑	3 Kings re-ran the water in the dirty tank through the treatment system.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 10/11/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
53°	59°	59°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 10 MPH | Precipitation: .0" | Humidity: 95%	Wind: 3 MPH | Precipitation: .01" | Humidity: 78%	Wind: 6 MPH | Precipitation: .0" | Humidity: 79%

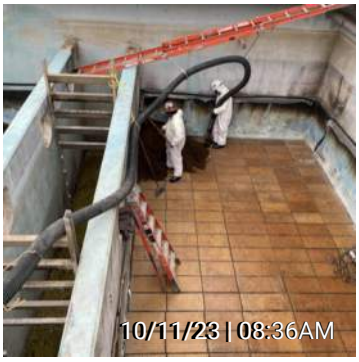
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

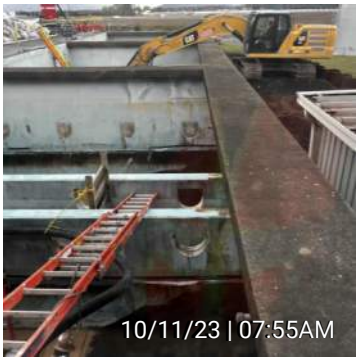
General Notes

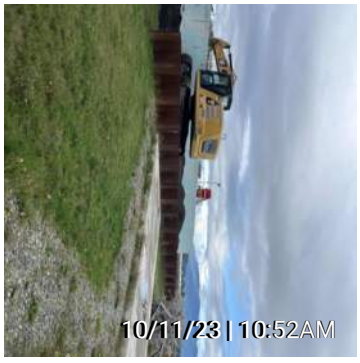
1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the days to continue clean filter media removal and also continue moving clean material to the north end of the sed basin.
2. 0715 - Start site perimeter stations.
3. 0730- 3 Kings loaded two roll top trucks with material

4. 0830 - Filter media removal.

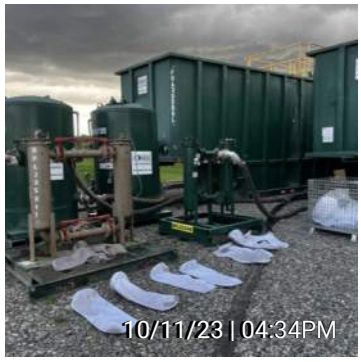


5. 0800- 3 Kings continues to remove filter media from the filer basin





6. 1055- United Rentals is onsite to deliver filters for the water treatment system. 25 micron filters were delivered as there were no 25 micron filters readily available. 10 micron filters have been ordered by United and should arrive within 2 days.



7. 1245- A third roll top truck was loaded and left the site
8. 1345 - 3 Kings finish with clean filter removal and will get it all to the stockpile. The vacuum has been relocated to the south entrance of the site.

9. 1508 - Moving the filter media away from the south side of the filter basin into the stockpile.

10. 1520- 3 Kings is removing the powdered lime from the admin building and placing it into drums

11. 1650-3 Kings decontaminated the Bobcat in the sed basin and is now using it to consolidate clean material towards the stockpile so the south wall can be surveyed this week.

12. 1700-Air monitoring stations were turned off for the day

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-10 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads of PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 10/12/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

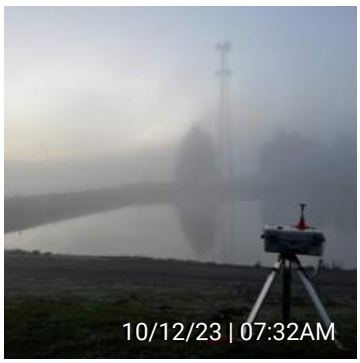
6:00 AM	12:00 PM	4:00 PM
46°	58°	64°
Partially cloudy	**Clear**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 100%	Wind: 1 MPH | Precipitation: .0" | Humidity: 82%	Wind: 1 MPH | Precipitation: .0" | Humidity: 67%

Work Logs

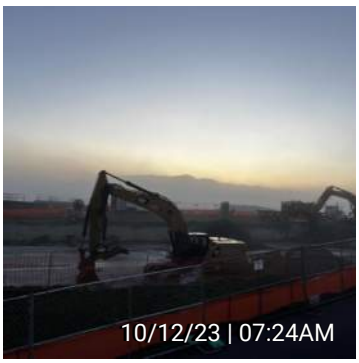
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Rental vac unit; Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to complete contaminated demo to the cut line on the south side of the sed basin. Continue housekeeping in admin building.
2. 0715 - Set up air monitoring stations.

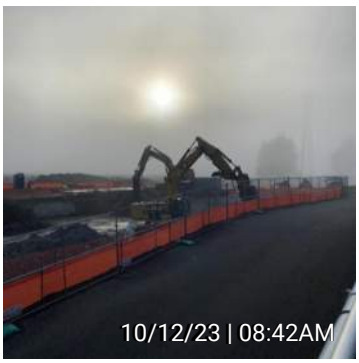


3. 0720-3 Kings is loading a roll top box with dirty material from the southeast corner of the sed basin



4. 0830 - Full metal box is going offsite in an empty is being dropped off. 3 Kings Hass to remove some of the overflowing metal.

5. 0840 - 3 Kings resumes demo to the cut line sed basin.



6. 1000 - Weekly progress call
7. 1045 - Anchor doing a orthomosaic of the admin building prior to demo.

8. 1343 - 3 Kings loading trucks and also working on the north side of the trough getting down below their final elevation to meet grade

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Vac unit demobilized.
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	1 scrap metal box. 4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 10/16/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

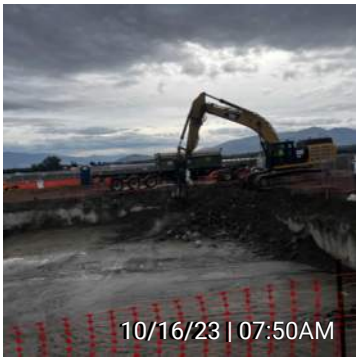
6:00 AM	12:00 PM	4:00 PM
57°	61°	61°
Partially cloudy	**Overcast**	**Rain, Overcast**
Wind: 3 MPH | Precipitation: .0" | Humidity: 91%	Wind: 15 MPH | Precipitation: .0" | Humidity: 95%	Wind: 12 MPH | Precipitation: .06" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 3 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue loadout and prep of sed basin and continue prep of admin building/filter basin.
2. 0715 - Air monitors were not turned on after weather evaluation.
3. 0730 - 3 Kings is loading building debris into two roll top trucks at the south end of the sed basin



4. 0855 - Rebar truck on-site being loaded. Rebar hosed in the footprint as it is being loaded. 3 Kings truck.

5. 1300- 3 Kings is loading building debris into two roll top trucks at the south end of the sed basin
6. 1400- 3 Kings is using their CAT 313 to move clean material to the north end of the site while cleaning the floor of the south end with the bobcat.

7. 1600 - 3 Kings placing utility protections.

8. 1600 - Second rebar truck being loaded.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Rainy conditions throughout the day.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication				Fred completed the survey around the

	☐	☐	☑	perimeter and within the sed basin on Friday.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 load rebar. 4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 10/17/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

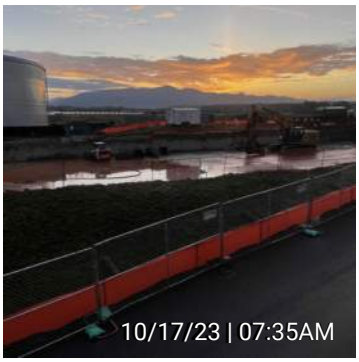
6:00 AM	12:00 PM	4:00 PM
47°	56°	55°
Partially cloudy	**Rain, Partially cloudy**	**Rain, Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 8 MPH | Precipitation: .0" | Humidity: 96%	Wind: 8 MPH | Precipitation: .07" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

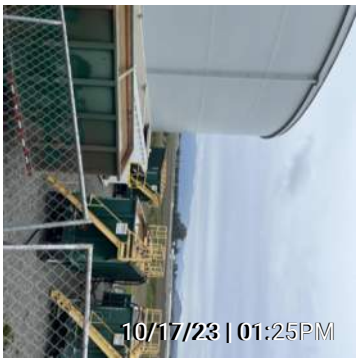
1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is housekeeping and containerizing waste in the admin building. Also cleaning and prepping sed basin.
2. 0725- Air monitoring stations were turned on for the day
3. 0730 - 3 Kings is pumping water from the base of the sed basin while loading two roll off trucks with dirty building debris



4. 0750 - Anchor confirms with 3 Kings that they will not be tying the scaffolding into the HSP building per conversations 3 Kings had with the contractor.
5. 1315 - 3 Kings installing exclusion fencing around the admin building/filter basin.

6. 1320 - Measuring weight of filter tile block.

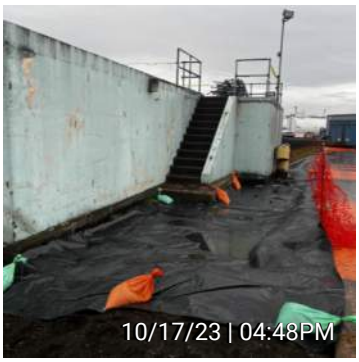
7. 1330- A second baker tank has been delivered to the site.



8. 1420- 3 Kings continues installing temporary fencing around the clearwell and admin building

9. 1430- 10 Ordered drums have arrived at the site

10. 1600-Due to constant rain, the air monitors were shut down for the day
11. 1615- black plastic was placed along the perimeter of the filtration basin



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Clean harbors on-site to check out the chemicals.

2.	Work Stoppages	☐	☑	☐	
3.	Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-5 SE
4.	Air Monitoring Exceedances	☐	☑	☐	
5.	Materials Delivered / Removed	☐	☐	☑	Two additional baker tanks. 10 empty drums.
6.	Requests for Information	☐	☑	☐	
7.	Health and Safety Information	☐	☑	☐	
8.	Problems/Deficiencies	☐	☑	☐	
9.	Lab Samples Collected	☐	☑	☐	
10.	Lab Results Received	☐	☑	☐	
11.	Important Communication	☐	☑	☐	
12.	Unusual Events/Activities	☐	☐	☑	3 Kings does rain event TESC inspection from yesterdays deluge. No adverse findings.
13.	Waste Disposal	☐	☐	☑	4 loads PCB debris.

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 10/18/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

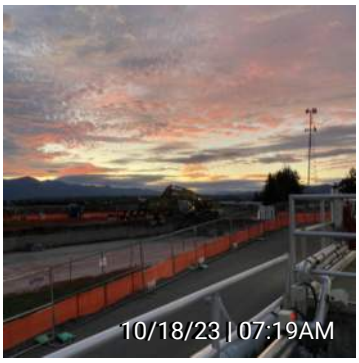
6:00 AM	12:00 PM	4:00 PM
56°	68°	64°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 4 MPH | Precipitation: .0" | Humidity: 80%	Wind: 9 MPH | Precipitation: .0" | Humidity: 44%	Wind: 2 MPH | Precipitation: .0" | Humidity: 71%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

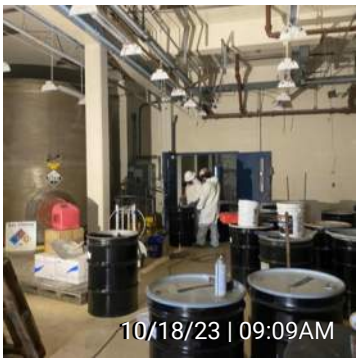
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting.
2. 0715 - Set up site perimeter stations.
3. 0720 - Loading PCB debris truck.



4. 0900 - Mini-excavator mobilized to help with the fine cleaning in the sed basin and do the sewer disconnect on the admin building.

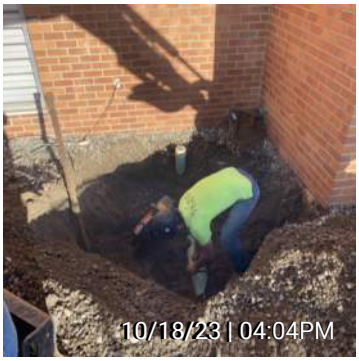
5. 0910 - 3 Kings continuing to process pipes with residual and place them in drums.



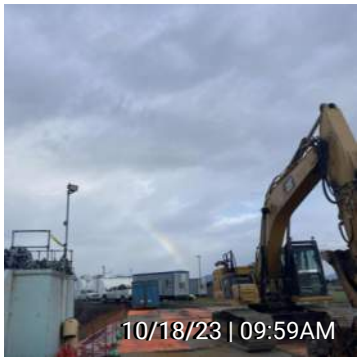
6. 0910 - Fire extinguishers ready to be taken to 3 Kings yard.

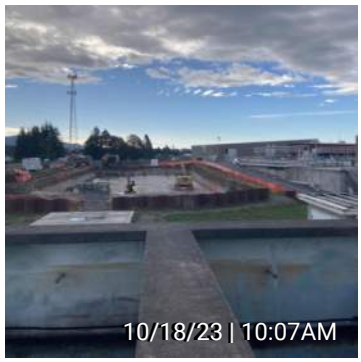
7. 1345 - Anchor brings a sample of water over to the treatment plant lab to run pH and turbidity. PH is still 10.06 and turbidity is down to 6.5 NTU.

8. 1415 - Start cleaning the south portion of the cleaning.
9. 1600 - 3 Kings disconnecting the sanitary sewer. Approximately 5 ft off the wall and 2 ft down.

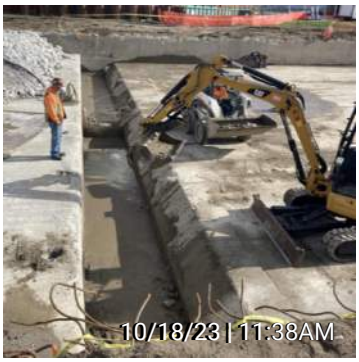


10. 0950 BDH site walk. 3K cleaning sedimentation basin trough. Noted all filtration basin media removed. Steel deck down adjacent to filtration basins.

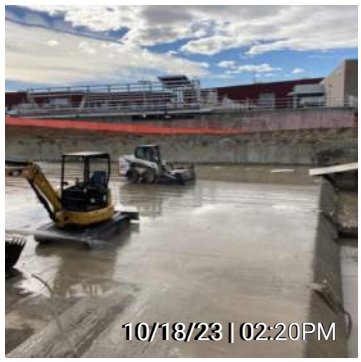




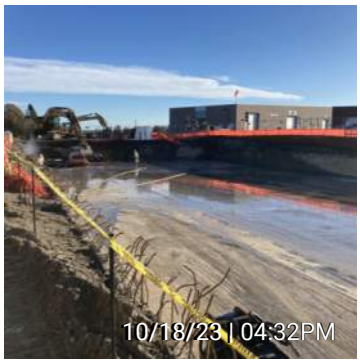
11. 1130 BDH site walk. Trough cleaning continues.



12. 1415 BDH site walk. Large excavator exiting sedimentation basin.



13. 1615 BDH site walk. Washing sedimentation basin floor, south of trough.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations. Morning wind: 0-10 S Afternoon wind: 0-5 SE
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☐	☑ Mini-excavator
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 1 load PCB debris. 3 drums of PCB/ACM cement asbestos boards.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 10/19/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

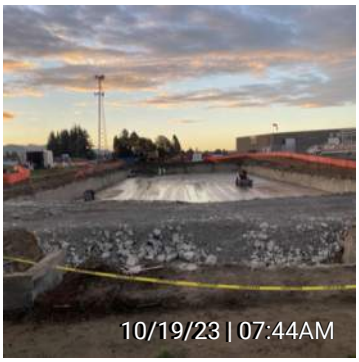
6:00 AM	12:00 PM	4:00 PM
50°	62°	64°
Partially cloudy	**Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 12 MPH | Precipitation: .0" | Humidity: 95%	Wind: 5 MPH | Precipitation: .0" | Humidity: 89%

Work Logs

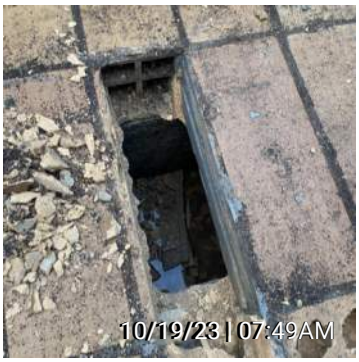
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 349F; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue cleaning the sed basin and continue prep on the admin building. Also collect concrete, composite samples in the sed basin.
2. 0715 - Site perimeter air monitoring.
3. 0745 - 3 Kings continuing to clean south of the trough in the sed basin.



4. 0750 - Taking filter tile out. Void under tiles.



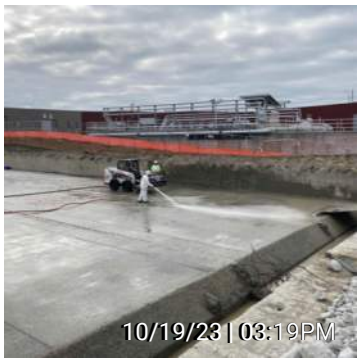
5. 0900 - Anchor and 3 Kings walk the pumps and mark ones that need to be cleaned, ones that need to be verified, and ones that are cleared.
6. 1000 - Weekly progress call.
7. 1100 - 3 Kings making a hole in the clearwell roof to facilitate wood removal.

8. 1400 - Opening to clearwell.

9. 1545 - Demobing the processor.

10. 1600 - Collecting concrete composite samples.
11. 0730 BDH start-up air monitoring, save data. 3K cleaning southern sedimentation basin floor with fire hoses.
12. 1409 BDH note CAT service truck onsite, replacing a fitting on excavator. Sedimentation basin cleaning ongoing.

13. 1515 BDH site walk.



14. 1630 BDH AB collecting confirmation samples from cleaned sedimentation basin floor.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable Afternoon wind: 0-10 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Processor attachment demobilized. Drums delivered.
6. Requests for Information	☐	☑	☐	

7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☐	☑ Sed basin concrete composite samples.
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 10/23/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

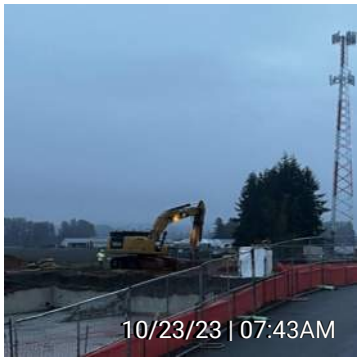
6:00 AM	12:00 PM	4:00 PM
48°	52°	53°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 95%	Wind: 5 MPH | Precipitation: .0" | Humidity: 73%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 1 operator	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 349F; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker(Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700- 3 Kings led a morning meeting. The plan for the day is to put another hole in the roof of the clearwell for enhanced visibility and air quality. 3 Kings will also be working on containerizing the rest of the liquid alum.
2. 0730- Air monitoring stations were turned on
3. 0740- 3 Kings is pumping water from the bottom of the sed basin and hosing off the CAT 349 for demobilization.



4. 0800- 3 Kings workers continue to drain the contents of the alum tank into black drums

5. 0915 - 3 kings adding another hole in the roof of the clearwell for ventilation.

6. 0945 - Baker Tank capacity

7. 1100 - 10 micron filters on-site and running the dirty water through it.
8. 1445 - 3 Kings removing wood from the clearwell.

9. 1700- Air monitoring stations were turned off for the day.

Site Safety Observations

No entry

Quality Control Observations

No entry

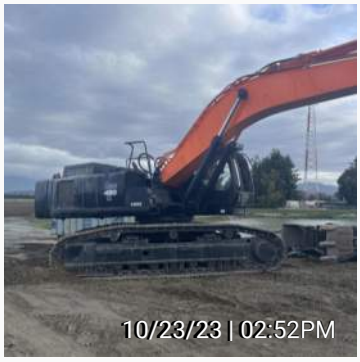
Survey

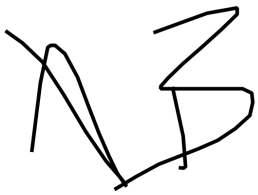
Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Scaffolding contractor on-site to look at the area.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable. Afternoon wind: 0-10 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	New processor delivered. Zaxis 450 delivered.

6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☐	☑ Holes in the clearwell roof are fall hazards that have been marked out in the field, use caution around them.
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☐	☑ Two composite samples in north portion of the trough. One was ND and other was 0.099mg/kg.
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☑	☐

Survey Photos

5.





I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 10/24/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

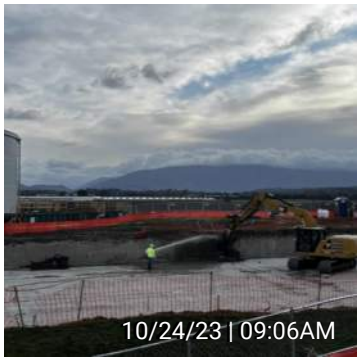
6:00 AM	12:00 PM	4:00 PM
46°	48°	47°
Overcast	**Overcast**	**Rain, Overcast**
Wind: 4 MPH | Precipitation: .0" | Humidity: 89%	Wind: 10 MPH | Precipitation: .0" | Humidity: 90%	Wind: 10 MPH | Precipitation: .07" | Humidity: 96%

Work Logs

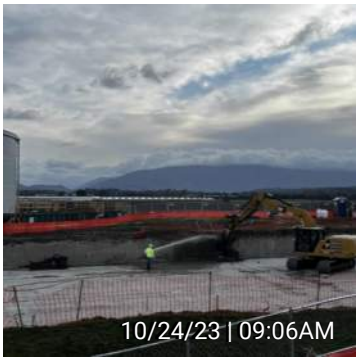
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker(Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. 3 Kings leads safety meeting. Plan for the day is expansion joint removal in the sed basin and continuing to remove wood and alum in the admin building.
2. 0715 - Setting up site perimeter stations.
3. 0840 - 3 Kings starting on the expansion joint removal hammering.



4. 0900- 3 Kings had begun removing the expansion joint in the sed basin



5. 0910- 3 Kings continues to change the bucket on the new 450 with assistance from a pápe technician
6. 1015 - 3 Kings changing the filter on the treatment system.

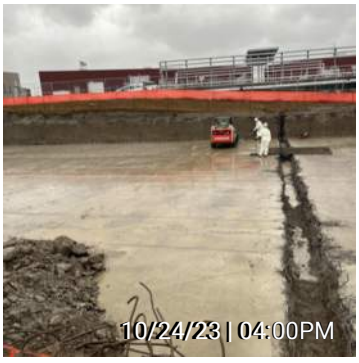
7. 1015 - Anchor instructs 3Kings to remove the slab underneath the expansion joint with the expansion joint.
8. 1020- 3 Kings is lifting the protection plates in the east side of the filtration basin and placing plastic sheeting below them

9. 11:30 Expansion joint removal progress. 3 Kings is using the 304 to help remove the concrete slab from under the expansion joint

10. 1130- 3 Kings is relocating all drums to the loading area on the north side of the admin building

11. 1518 - 3Kings resumes would removal in the clear well.

12. 1600 - Cleaning the expansion joint material.



13. 1600-3 kings has installed a pump in the clearwell to remove some of the water

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Stations shut down at 1145 due to rain. Morning wind: Light and variable. Afternoon wind: 0-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	CAT349 taken offsite with muck bucket.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 10/25/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
42°	46°	50°
Rain, Overcast	**Rain, Overcast**	**Clear**
Wind: 8 MPH | Precipitation: .01" | Humidity: 96%	Wind: 3 MPH | Precipitation: .01" | Humidity: 87%	Wind: 7 MPH | Precipitation: .0" | Humidity: 53%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector) Jerzy Cebula (Demolition Lead)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

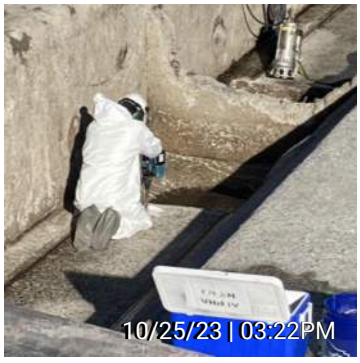
General Notes

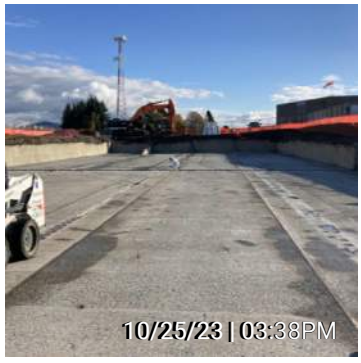
1. 0700 - 3 Kings and Anchor on-site. Morning safety meeting. Plan for the day is to finish loading out expansion joint material. And cleaning the sed basin for sampling. Wood baffle removal continues in the clearwell.
2. 0725 -Starting site perimeter stations. Are putting the newly calibrated meter at station one.
3. 0740 - 3Kings loading the expansion joint material into the haul truck for temporary storage.

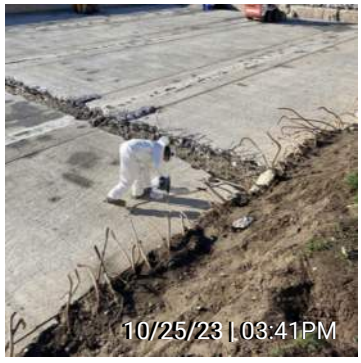
4. 1020 - 3Kings, adding dry ice provided by United to try and lower the pH.

5. 1025 - Wood removal in the clearwell.

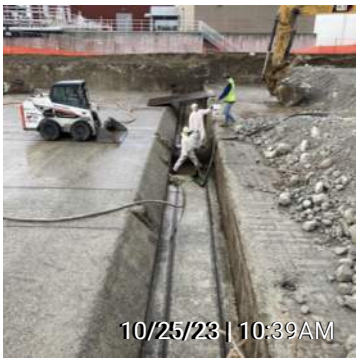
6. 1500 AB taking confirmation samples post-expansion joint removal. BDH photos.



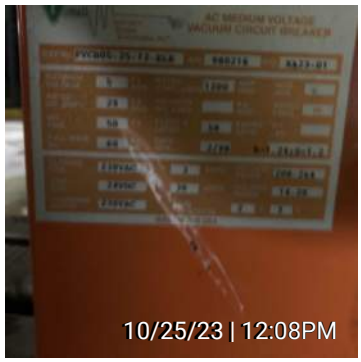


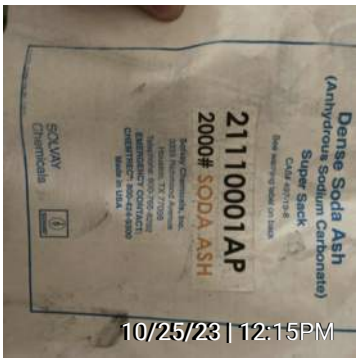


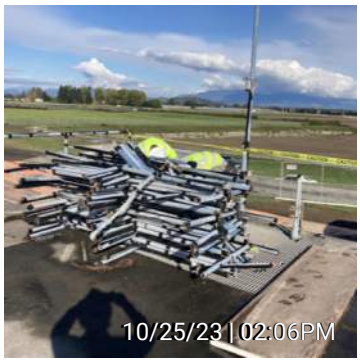
7. 1030 BDH walk site.



8. 1130. Jerzy Cebula arrives onsite. AB & BDH walk site and building. Continued after lunch.

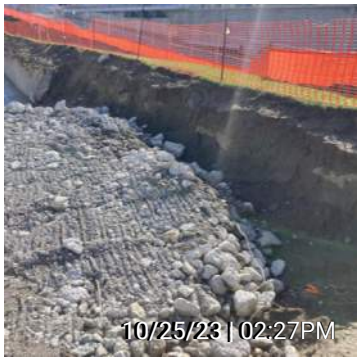






10/25/23 | 02:26PM

10/25/23 | 02:27PM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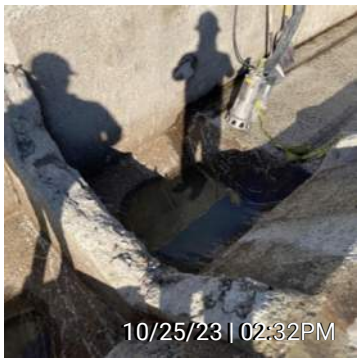
10/25/23 | 02:27PM

10/25/23 | 02:31PM

10/25/23 | 02:32PM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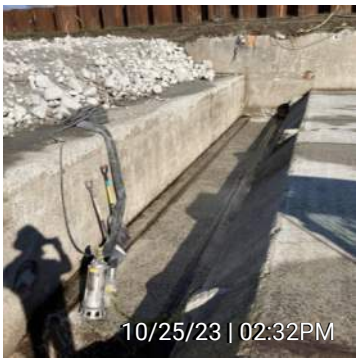
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10/25/23 | 02:32PM

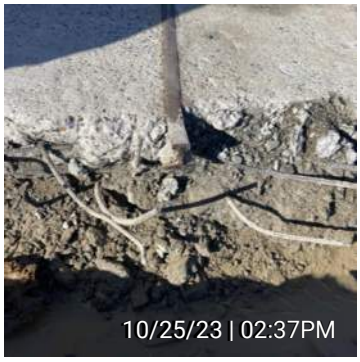
10/25/23 | 02:34PM

10/25/23 | 02:34PM

10/25/23 | 02:34PM

10/25/23 | 02:36PM

10/25/23 | 02:36PM


10/25/23 | 02:37PM

10/25/23 | 02:41PM

10/25/23 | 03:20PM

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: NE 0-5 Afternoon wind: NE 0-10
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Composite 4 in the Sed Basin and confirmation sample in the trough.
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 10/26/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

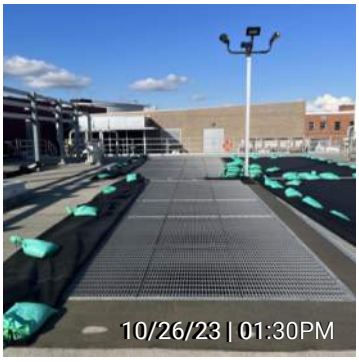
6:00 AM	12:00 PM	4:00 PM
34°	45°	50°
Partially cloudy	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 1 MPH | Precipitation: .0" | Humidity: 86%	Wind: 2 MPH | Precipitation: .0" | Humidity: 67%

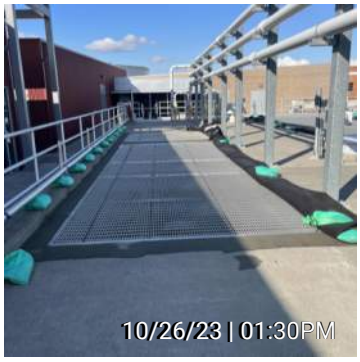
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector) Jerzy Cebula (Demolition Lead)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Topics are slippery/frozen surfaces and barrier use around fall potential. Plan for the day is to finish wood removal in the clearwell and begin punchlist item completion.
2. 0730 - Set up air stations.
3. 0830 - Internal AQ discussion with Doug on painted walls.
4. 0915 - Anchor walks through items with 3 Kings that are needed before demo.
5. 1000 - Weekly progress meeting.
6. 1100 - AQ Safety Standdown
7. 1130 - Brian McDaniel visited AQ field trailer to request the covers on the active plant basins be removed for the weekend. Plant is experiencing odors and discoloration on the filters, and suspect this may be do to reduced sunlight on the basin. Only west train is in service. Folding back filter cloth in half, before rolling/folding further, to keep any captured particulates from falling into the basin was discussed. (BDH)
8. 1315 - 3Kings uncovers the active treatment train in order for it to get sunlight and air at the City's request.





9. 1330 - Removing exterior lights.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors				

	☐	☑	☐
2. Work Stoppages	☐	☑	☐
3. Was Air Monitoring Performed?	☐	☐	☑
4. Air Monitoring Exceedances	☐	☑	☐
5. Materials Delivered / Removed	☐	☑	☐
6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 10/30/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

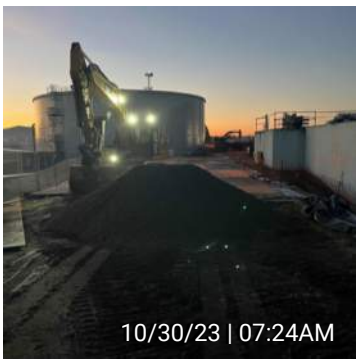
6:00 AM	12:00 PM	4:00 PM
30°	48°	52°
Clear	**Clear**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 1 MPH | Precipitation: .0" | Humidity: 70%	Wind: 6 MPH | Precipitation: .0" | Humidity: 67%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

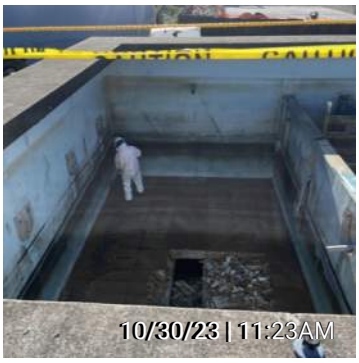
1. 0700 - Anchor and 3 Kings on-site. Morning meeting.
2. 0715 - Set up air site perimeter stations.
3. 0720 - Delivery of stone for the truck pad area.



4. 0730 - Scaffolding company on-site.

5. 11:00 3 Kings picked up lights for the site from United Rentals and placed them near the filter basin

6. 1120-3 Kings is removing paint chips from the filter basin bays prior to scraping the walls



7. 1130-3 Kings is taking apart the shed on the south side of the filter basin

8. 1400 - Investigating membrane. Appears to be just in south side of joint remaining. 3 Kings will remove an additional 2-3' to attempt to remove.

9. 1515-The Long-reach boom was delivered to the site

Site Safety Observations

No entry

Quality Control Observations

No entry

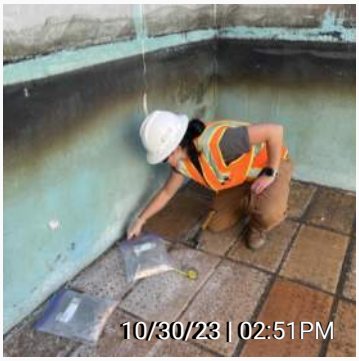
Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	BrandSafway on-site for scaffolding installation.

2.	Work Stoppages	☐	☑	☐	
3.	Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable. Afternoon wind: Light and variable.
4.	Air Monitoring Exceedances	☐	☑	☐	
5.	Materials Delivered / Removed	☐	☐	☑	Long reach boom.
6.	Requests for Information	☐	☑	☐	
7.	Health and Safety Information	☐	☑	☐	
8.	Problems/Deficiencies	☐	☑	☐	
9.	Lab Samples Collected	☐	☐	☑	3” and 6” sample from filter tile. 3 Kings water sample.
10.	Lab Results Received	☐	☐	☑	Results of Sed Basin confirmation samples. Concrete composites were ND, mat and foam material had elevated PCBs.
11.	Important Communication	☐	☑	☐	
12.	Unusual Events/Activities	☐	☑	☐	
13.	Waste Disposal	☐	☑	☐	

Survey Photos

9.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 10/31/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
35°	50°	52°
Clear	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 70%	Wind: 1 MPH | Precipitation: .0" | Humidity: 66%

Work Logs

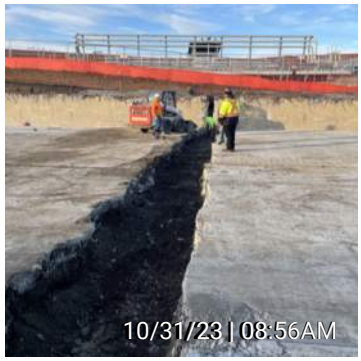
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning meeting. Plan for the day is to continue with the expansion joint additional removal and also continue with the loose paint removal.
2. 0715 - Setting up site perimeter stations.

3. 0720 - Light plants on.

4. 0850 - Cleaned additional removal in expansion joint.

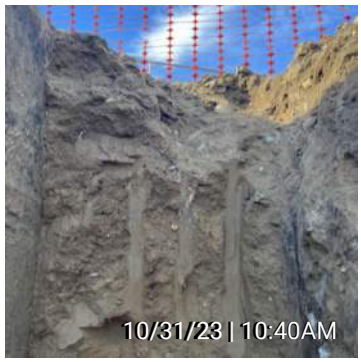


5. 0945 - Safway continuing installation of the scaffolding.

6. 0955 - Resume loose paint removal on the northside.

7. 1020-3 kings begins to fracture the northern half of the sed basin base
8. 1030 - 3Kings fracturing the floor north of the expansion joint removal that was not affected by the removal.

9. 1035 - Anchor does final inspection that all PCB expansion joint material has been removed.



10. 1042 - 3 Kings brakes, hammer bit while fracturing the floor.

Site Safety Observations

No entry

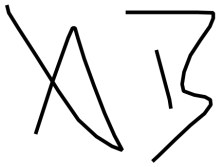
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	BrandSafway on-site for scaffolding install.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variable. Afternoon wind: Light and variable.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 11/01/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

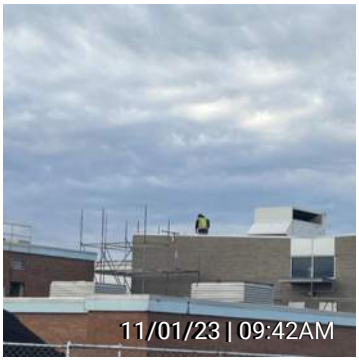
6:00 AM	12:00 PM	4:00 PM
42°	50°	55°
Partially cloudy	**Partially cloudy**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 90%	Wind: 1 MPH | Precipitation: .0" | Humidity: 75%	Wind: 2 MPH | Precipitation: .0" | Humidity: 72%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

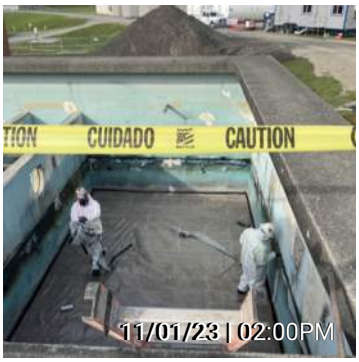
1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue loose paint removal and also preparation of the sed basin for backfill.
2. 0715 - Start site perimeter air monitoring stations.
3. 0720 - Brand Safway on site to continue the scaffolding installation.
4. 0930 - Safway clamping the scaffolding to the HSP roof.



5. 0945 - CO2 install on the treatment system by United.

6. 0950 - 3Kings continuing to fracture the sed based in floor.

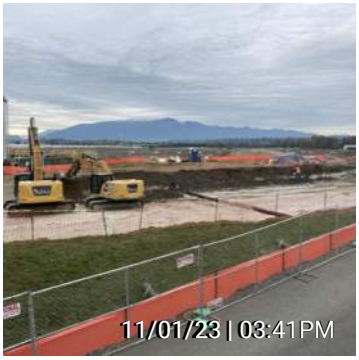
7. 1400 - 3Kings, completing the paint removal in the last bay.



8. 1500 - 3Kings doing demo down below the final cut line in the sed basin.

9. 1020 BDH site walk. 3K puncturing Sedimentation Basin floor. Setting-up awnings, etc. for demo work at Filtration Basins/Admin building. No paint scraping observed. Crew erecting scaffolding. Note, found Air Monitoring Station 2 frozen and in SURVEY run mode, restarted, reset to AC_2 run mode. Other stations nominal.

10. 1530 BDH site walk. 3K demoing clean Sedimentation Basin walls down to required depth working with two excavators--one bucket, one processing jaws. Worker cutting-down rebar with a demo saw. Air monitoring stations nominal.



11. 1630 - Dusty conditions noticed on the south side of the property at station, one during material removal, processing, moving. Contractors asked to increase dust suppression.

12. 1700 BDH shut down air monitoring stations. All nominal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Brand Safway on-site to continue scaffolding install.
2. Work Stoppages	☐	☑	☐	

3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations. Morning wind: Light and variable Afternoon wind: Light and variable
4.	Air Monitoring Exceedances	☐	☐	☑ SP1 due to non-PCB demo.
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☐	☑ 3” and 6” Filter tile step outs <1ppm
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 11/02/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
58°	59°	58°
Rain, Overcast	**Rain, Overcast**	**Rain, Overcast**
Wind: 15 MPH | Precipitation: .01" | Humidity: 98%	Wind: 8 MPH | Precipitation: .01" | Humidity: 97%	Wind: 2 MPH | Precipitation: .01" | Humidity: 92%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) Steve Crowe (Supervisor) Jason Hawks (Project Manager) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue in the sed basin and pull wire in the admin building.
2. 0720 - Waiting to set up site perimeter stations until rain improves.
3. 0800 - PCB debris truck loaded.
4. 0820 - Pulling copper wire.

5. 1000 - Weekly progress meeting.
6. 1500 - AB offsite.
7. 1700 - 3 Kings uncovers the active sed basin.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Rain throughout the day, no monitoring.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies				

	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads of PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 11/06/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

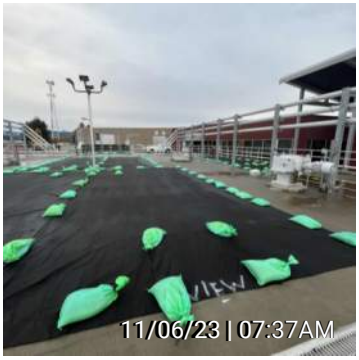
6:00 AM	12:00 PM	4:00 PM
50°	52°	53°
Partially cloudy	**Rain, Partially cloudy**	**Overcast**
Wind: 3 MPH | Precipitation: .0" | Humidity: 95%	Wind: 4 MPH | Precipitation: .01" | Humidity: 96%	Wind: 10 MPH | Precipitation: .0" | Humidity: 86%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Mikayla Bowers (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting.
2. 0715 - Set up site perimeter stations.
3. 0720 - Recovering active sed basin.



4. 0740 - Loading PCB debris.

5. 0845 - 3 Kings moving clean sand material to build a pad for filtration basin demo.
6. 1045-Air monitoring stations shut down due to adequate rainfall
7. 1150 - 3 Kings doing the demo to final grade on the north end of the sed basin.

8. 1440 - 3 Kings , continuing uncontaminated demo on the north side of the sed basin.

   They have also placed all the redwood timber in a trailer on the southern side of the site

9. 1600 3 kings is trimming rebar along the perimeter of the north end of the sed basin

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind:0-5 W Afternoon wind: 5-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Water results back. Antimony exceedance. 3 Kings to relay to Ecology.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 11/07/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
50°	52°	52°
Rain, Overcast	**Overcast**	**Partially cloudy**
Wind: 4 MPH | Precipitation: .0" | Humidity: 98%	Wind: 6 MPH | Precipitation: .0" | Humidity: 80%	Wind: 4 MPH | Precipitation: .0" | Humidity: 74%

Work Logs

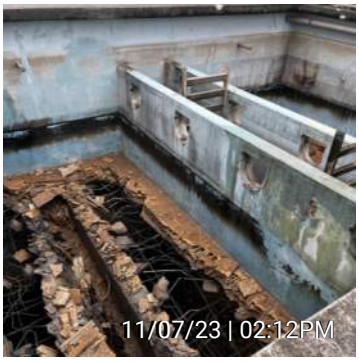
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Mikayla Bowers (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting.
2. 0715 - Anchor starting site perimeter stations.
3. 0725- One roll top truck has arrived to the site, but was sent away.
4. 0740-3 Kings is moving equipment to the south side of the filter basin in preparation to demolish the small shed
5. 1040 - 3 Kings starts demo of filter tiles and concrete.
6. 1300-Status of first filter tiles and concrete. 3 kings is using a hose from above for dust suppression in this area.

7. 1315-3 Kings crew is removing rebar from the clean material inside the sed basin

8. 1400-3 kings finished hammering in the second bay and began hammering in the third filter bay, using a hose for dust suppression



9. 1600-Hose on the Zaxis 450 broke while breaking the 4th basin bay floor, and is being repaired.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 W Afternoon wind: 0-10 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 11/08/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	52°	52°
Overcast	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 4 MPH | Precipitation: .0" | Humidity: 83%	Wind: 1 MPH | Precipitation: .0" | Humidity: 81%

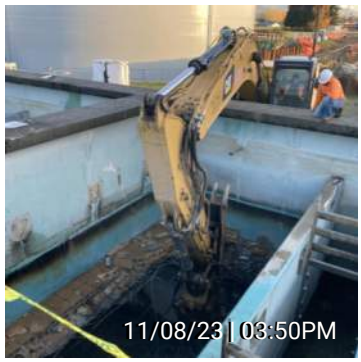
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue clean demolition of filtration bay bays.
2. 0715 - Start site perimeter stations.
3. 0800 - Hydraulic hose being made at the shop and will be delivered later this morning. In the meantime, the CAT 336 will be used with a processor to go back to the first couple days and remove the concrete supports.
4. 0930 - Rigging the bobcat to put it in the clearwell.

5. 1000 - Weekly site meeting with Jason to go over checklist topics.
6. 1100 - Biweekly meeting.
7. 1230 - Lunch put on by the water treatment plant for us and their visitors.
8. 1540 BDH site walk. 3K demoing filtration basin floors and clearwell roof.



9. 1130 BDH check air monitoring stations, all nominal.
10. 1700 BDH check and shut-down air monitoring stations. All stations nominal.

Site Safety Observations

No entry

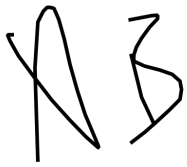
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	City visitors and lunch at 12:30.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SW Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Fred completing survey of sed basin before backfill.
13. Waste Disposal	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 11/09/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

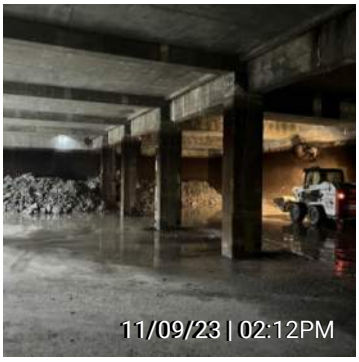
6:00 AM	12:00 PM	4:00 PM
40°	50°	52°
Clear	**Partially cloudy**	**Overcast**
Wind: 3 MPH | Precipitation: .0" | Humidity: 98%	Wind: 9 MPH | Precipitation: .0" | Humidity: 71%	Wind: 8 MPH | Precipitation: .0" | Humidity: 65%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Steve Crowe (Supervisor) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to clean the uncontaminated material that was dropped down into the clear well.
2. 0715 - Set up site perimeter stations.
3. 0800 - Crew goes down into clearwell to work on cleaning uncontaminated material.
4. 0845 - DM Disposal on behalf of Metro on-site picking up scrap box. And dropping copper box.
5. 1000 - Weekly progress meeting.
6. 1150 - 3 Kings Dozer being delivered.
7. 1415 - 3Kings pile and clean material on the north side.



8. 1520 - 3 Kings loaded up the wood to take it off site today.

9. 1700 - Shut down site perimeter stations.
10. 1715 - Uncover the west active sed basin train.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

Site perimeter stations.

3. Was Air Monitoring Performed?	☐	☐	☑	Morning wind: 0-5 S Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Dozer, excavator boom, and scissor lift delivered. Reclaimed wood being taken off site.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	1 Scrap metal box.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 11/13/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

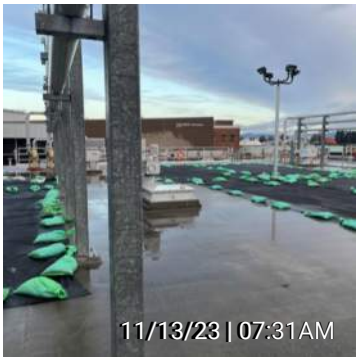
6:00 AM	12:00 PM	4:00 PM
45°	51°	48°
Rain, Partially cloudy	**Partially cloudy**	**Partially cloudy**
Wind: 3 MPH | Precipitation: .0" | Humidity: 95%	Wind: 4 MPH | Precipitation: .0" | Humidity: 84%	Wind: 5 MPH | Precipitation: .0" | Humidity: 93%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 1 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

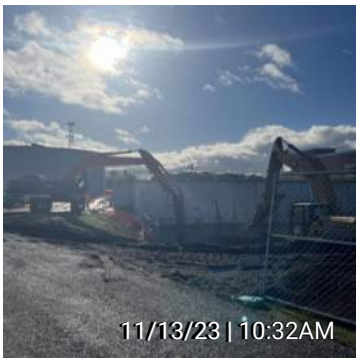
1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan is to continue demo of the Filtration Basin.
2. 0715 - Setting up site perimeter stations.
3. 0730 - 3 Kings covers the active sed basin.

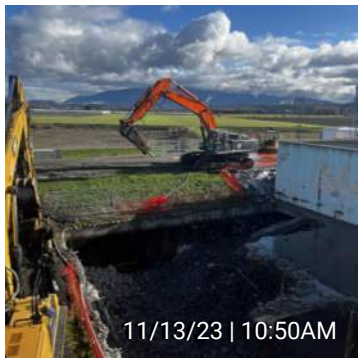


4. 0750-3 Kings is removing fence material on top of the clearwell to gain access to the exposed beams

5. 0830-3 Kings is using the Zaxis 450 LC with the hammer attachment to remove more of the clean material from the filter basin bays

6. 1030 - Clearwell roof demo.





7. 1300-3 Kings is trimming rebar and using the bobcat to move clean materials inside the clearwell

8. 1700 - Shut down site perimeter stations.

Site Safety Observations

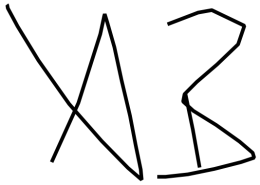
No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 4mph, east Afternoon wind: 1mph, east
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 11/14/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
34°	45°	42°
Clear	**Clear**	**Clear**
Wind: 7 MPH | Precipitation: .0" | Humidity: 99%	Wind: 7 MPH | Precipitation: .0" | Humidity: 88%	Wind: 1 MPH | Precipitation: .0" | Humidity: 94%

Work Logs

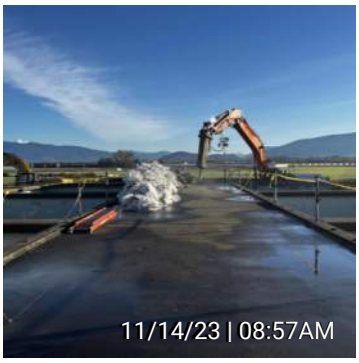
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 1 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning meeting. Plan for the day is to continue demolition of the filtration basin. Contaminated demo will begin today on the south portion of the filtration basin.
2. 0715 - Set up air stations.
3. 0730-3 Kings is digging a trench along the south wall of the sed basin

4. 0900-3 Kings has begun demolishing the top of the filtration basin. There was visible dust and AQ staff asked 3 Kings to spray water from a more effective direction

   3 Kings has also bug in to construct a ramp into the clearwell using rubble from the roof.



5. 11:00- The roller was delivered to the site
6. 11:30-3 Kings brought the bulldozer and roller into the bottom of the sed basin to process the clean material

7. 1430 - Anchor does a drone flight a document progress and inspect the active clearwell protections.
8. 1530 - 3 Kings commenced demolition of the contaminated exterior wall.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind:0-5 SW Afternoon wind: 0-5 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Roller delivered.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 11/15/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
34°	41°	43°
Partially cloudy	**Partially cloudy**	**Overcast**
Wind: 6 MPH | Precipitation: .0" | Humidity: 100%	Wind: 0 MPH | Precipitation: .0" | Humidity: 91%	Wind: 4 MPH | Precipitation: .0" | Humidity: 93%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Steve Crowe (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 1 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

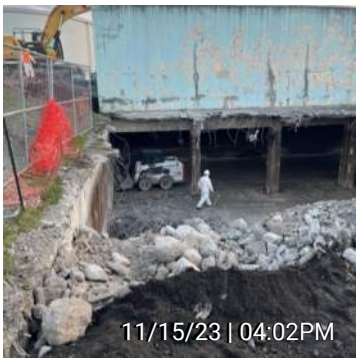
General Notes

1. 0700 - 3 Kings on site. Morning safety meeting without anchor. Anchor late due to a medical emergency.
2. 0800 - Anchor on site.
3. 0815 - Start up site perimeter stations.
4. 0830 - Mechanic on site looking at the roller

5. 0930 - 3Kings, throwing the bags of media with paint chips in with the rest of the debris.

6. 1030 - 3 Kings working on hammering clean filter tile in the reachable bay in the north east corner.

7. 1600 - Continuing work down in the hole to clean up the clean material from the most north east filter bay.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Mechanic
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	United rental generator taken offsite.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 11/16/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

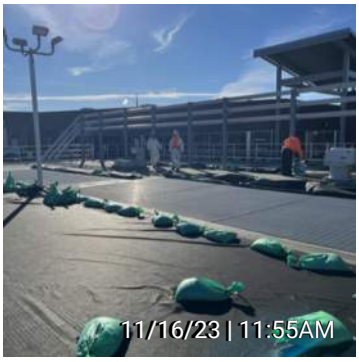
6:00 AM	12:00 PM	4:00 PM
30°	43°	44°
Clear	**Clear**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 1 MPH | Precipitation: .0" | Humidity: 77%	Wind: 1 MPH | Precipitation: .0" | Humidity: 75%

Work Logs

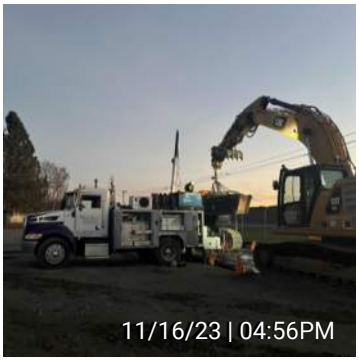
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jose Cortez (Abatement Supervisor) 4 laborers 1 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323; CAT 304E. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

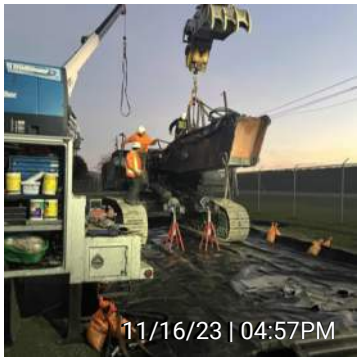
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition and swap to the long reach boom on the large machine.
2. 0715 - Start SP stations.
3. 0800 - 3 Kings continues with the demolition of the filtration basin.
4. 0930 - Mechanic on-site to begin high reach assembly.
5. 1000 - Weekly progress meeting.
6. 1155 - City requests the west train be uncovered before lunch so they can perform maintenance on it in the afternoon.



7. 1410 - Unknown drone flying around the site.
8. 1655 - Continuing long reach assembly.





Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Three 3 Kings mechanics for attaching the high reach boom.
2. Work Stoppages	☐	☑	☐	

3.	Was Air Monitoring Performed?	☐	☐	☑ Site Perimeter Stations. Morning wind: Light and variable Afternoon wind: 0-5 N
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 11/20/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
40°	48°	45°
Clear	**Clear**	**Clear**
Wind: 7 MPH | Precipitation: .0" | Humidity: 96%	Wind: 8 MPH | Precipitation: .0" | Humidity: 68%	Wind: 0 MPH | Precipitation: .0" | Humidity: 89%

Work Logs

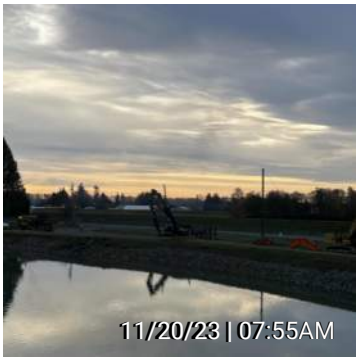
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700-3 Kings conducted their morning meeting. Steve will no longer be a part of this project, Todd will be taking over his role as supervisor.

   The long-reach boom was installed on Friday the 17th.

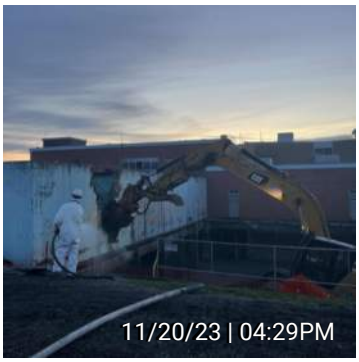
   The plan for today is to build a pad for the long reach to sit on, to continue demolishing the clearwell roof, snd to begin adding fill material from the stockpile into the sed basin



2. 0730-Site perimeter stations were set up
3. 0800 - exhaust from machine startup has dust readings at Station 1 elevated.
4. 0900-3 Kings demobilized the CAT 304E
5. 0915-3 Kings is removing the large debris from the trench in the sed basin and processing it.
6. 1100-the exposed roof of the clearwell has been demolished

7. 1120-3 Kinds has begun trucking fill material into the sed basin

8. 1630 - 3 Kings began working on contaminated wall.



9. 1700-Site perimeter stations were shut down

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 10.3mph ENE Afternoon wind: 3.4mph N
4. Air Monitoring Exceedances	☐	☐	☑	0800 - particulates from exhaust during machine morning start up.
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☐	☑	Steve Crowe no longer on site. Todd will take over as demolition supervisor.
12. Unusual Events/Activities	☐	☐	☑	Start of backfill in the Sed Basin.
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 11/21/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
40°	50°	56°
Clear	**Partially cloudy**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 87%	Wind: 3 MPH | Precipitation: .0" | Humidity: 71%	Wind: 10 MPH | Precipitation: .0" | Humidity: 48%

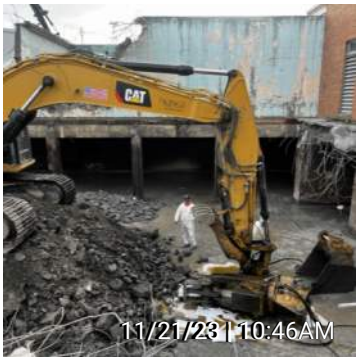
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) Todd (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 2 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue filtration basin demo and sed basin backfill.
2. 0715 - Start up site perimeter stations.
3. 0740 - Pape mechanic on-site to adjust high reach pressures.
4. 0825 - High reach working after pressures set.

5. 1045-There was a significant hydraulic oil leak in the clearwell from the CAT 336. Absorbing pads were brought to the area



6. 1240 - Stations spike. Haze present and smell of smoke present.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable

			Afternoon wind: 0-5 SSW
4. Air Monitoring Exceedances	☐	☑	☐
5. Materials Delivered / Removed	☐	☑	☐
6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 11/22/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	48°	46°
Overcast	**Partially cloudy**	**Overcast**
Wind: 6 MPH | Precipitation: .0" | Humidity: 97%	Wind: 10 MPH | Precipitation: .0" | Humidity: 92%	Wind: 3 MPH | Precipitation: .0" | Humidity: 91%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) Jose Cortez (Abatement Supervisor) 5 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demo of the filtration basin. Also continue backfill in the Sed Basin and the compaction tester will be out.
2. 0715 - Start air monitoring stations.
3. 0850 - MTC on-site.
4. 0900 - Broken attachment arm on the Zaxis.

5. 0915 - New roller on-site.

6. 0920-3 Kings placed a steel plate on top of a utility box near the stockpile of lagoon sediment material to protect it from the haul truck
7. 115-Tom and Todd took a water sample from the onsite water treatment system. Todd will drive it to the laboratory for testing.
8. 130-3 Kings has washed the old roller and has begun rolling the sediment in the dead basin with the new flat roller.

Attachments: 2023-11-22_1...

Site Safety Observations

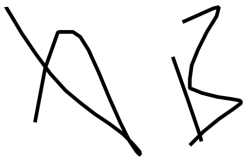
No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Compaction tester: 9-
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 N Afternoon wind: 0-5 N
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	New flat drum roller.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Compaction testing. Weekly meeting rescheduled to today.
13. Waste Disposal	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 11/27/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
29°	42°	40°
Partially cloudy	**Clear**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 3 MPH | Precipitation: .0" | Humidity: 94%	Wind: 1 MPH | Precipitation: .0" | Humidity: 91%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) Todd (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - 3Kings and Anchor on site. Morning safety meeting. Plan for the day is to continue demolition of the filtration basin. Jason Hawks will be on site to discuss backfill with Brian.
2. 0715 - Set up air stations.
3. 0800 - 3 Kings continuing demo of filtration basin. Also looking at sheet pile removal.
4. 1000 - Site team call.
5. 1030 - Completion report call.
6. 1105 - Removing pipe from the sed basin to the sheet pile.

7. 1400 - 3Kings moving the drums from inside the building to outside the building on a poly containment.

8. 1700 BDH shut down air monitoring stations. Station 2 appeared to be frozen at 12:14.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 ENE
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☐	☑ 240 machine, hoe-pack delivered.
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 11/28/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
29°	41°	39°
Clear	**Clear**	**Clear**
Wind: 6 MPH | Precipitation: .0" | Humidity: 100%	Wind: 2 MPH | Precipitation: .0" | Humidity: 85%	Wind: 0 MPH | Precipitation: .0" | Humidity: 90%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

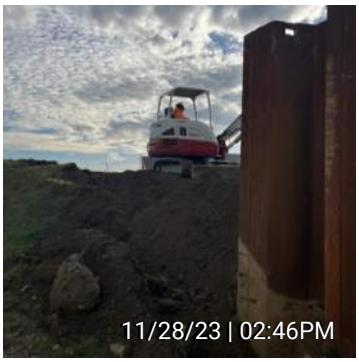
General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue demolition of the filtration basin after repair of the long reach.
2. 0730 - Start site perimeter stations.
3. 1138 BDH site walk. Discuss plan with Todd—3K plan to break-up “clean” (see markup) concrete and move. Then bring long-reach excavator into hole to continue demo. Crews fitting hammer on excavator for break-up. Repairing hydraulic coupling on long reach.

4. 1400 - Continued demolition and segregation of materials in the filtration basin.

5. 1405 - 3 Kings finishes replacement of Tacheuchi track.

6. 1445 - 3Kings repairing the area, disturbed by the sheep pile testing and replacing the silt fence.



7. 1600 - Silt fence back in place.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site Perimeter Stations. Morning wind: light and variable Afternoon wind: light and variablee
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	

6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 11/29/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

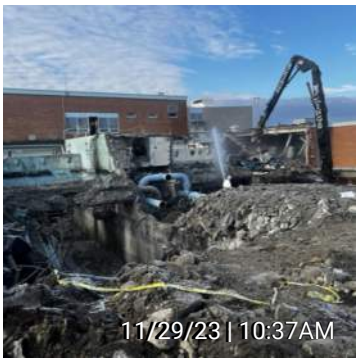
6:00 AM	12:00 PM	4:00 PM
29°	36°	37°
Overcast	**Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 1 MPH | Precipitation: .0" | Humidity: 96%	Wind: 1 MPH | Precipitation: .0" | Humidity: 95%

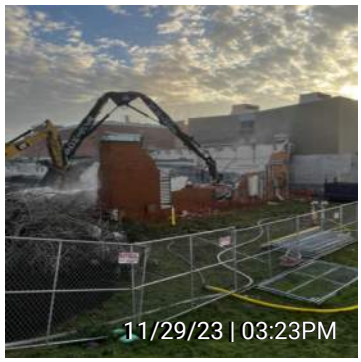
Work Logs

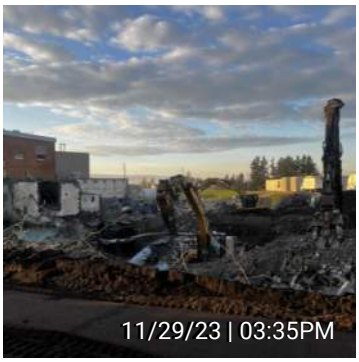
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) Jose Cortez (Abatement Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector) Rebecca Desrosiers (Project Engineer) Julia Fitts (Project Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue demolition of the filtration basin. Rebecca and Julia will be on site to discuss the backfill of the side basin with Brian.
2. 0715 - Start SP stations.
3. 0825 - Demolition within the pump room.







4. 0900 - Julia and Rebecca on-site.
5. 0945 - Site walk with Brian and Fred.
6. 1040-Demolition of the filter basin adjacent to the admin building

7. 1100 - Anchor requests water be moved for the filtration basin.
8. 1345 - Visible atmospheric haze in the area

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Rebecca and Julia on site.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site Perimeter Stations. Morning wind: Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 11/30/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
35°	43°	41°
Overcast	**Partially cloudy**	**Rain, Overcast**
Wind: 6 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 82%	Wind: 2 MPH | Precipitation: .0" | Humidity: 95%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition of the filter basin. Load rebar trucks, clean the pump room floor off, save the last two filter basin tile floors.
2. 0715 - Set up SP stations.
3. 0815-The first haul truck has arrived at the site to remove rebar from the site

4. 1000 - Weekly progress meeting.
5. 1045-3 Kings continues to load rebar to be taken offsite

6. 1335-Pump room demo progress

7. 1515-SP stations shut down due to steady precipitation

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site Perimeter Stations. Morning wind: 0-5 E Afternoon wind: 0-10 E
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☐	☑	3 Kings indicated during the weekly progress meeting they would develop an RFI for the pump room floor.
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	1 load rebar.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 12/01/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
40°	42°	41°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 14 MPH | Precipitation: .03" | Humidity: 96%	Wind: 7 MPH | Precipitation: .04" | Humidity: 96%	Wind: 2 MPH | Precipitation: .0" | Humidity: 95%

Work Logs

No entry

Name	Description	Quantity	Total Hours	Total Hours To Date
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue processing Filtration Basin and Admin Bldg.
2. 1100 - Anchor walks the lagoons with the City, and the city provides information on the different piping and overflows.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	No monitoring due to consistent rain.

4. Air Monitoring Exceedances	☐	☑	☐
5. Materials Delivered / Removed	☐	☑	☐
6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 12/04/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

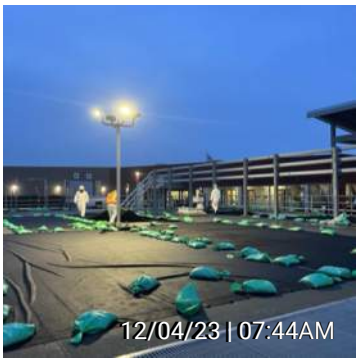
6:00 AM	12:00 PM	4:00 PM
43°	51°	58°
Clear	**Rain, Overcast**	**Rain, Overcast**
Wind: 12 MPH | Precipitation: .0" | Humidity: 97%	Wind: 12 MPH | Precipitation: .0" | Humidity: 97%	Wind: 18 MPH | Precipitation: .0" | Humidity: 95%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Ron King (Owner) Jason Hawks (Project Manager) Todd (Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

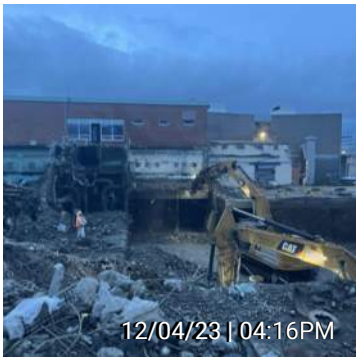
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition of the Filtration Basin.
2. 0715 - Starting SP stations.
3. 0745 - 3 Kings uncovering the active Sed basin.



4. 0915 - 3 Kings , working on removal of clean filter tile, and concrete.

5. 1500 - 3 Kings mechanic on site.
6. 1615 - 3Kings removing clean filter tiles.



Site Safety Observations

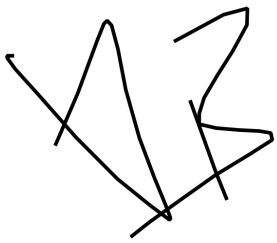
No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site Perimeter Stations. Morning wind: 0-10 E Afternoon wind: 10-20 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☐	☑	RFI from Friday responded to.
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	City covering the stockpile of soil behind the trailer.
13. Waste Disposal	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 12/05/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
52°	52°	51°
Rain, Overcast	**Rain, Overcast**	**Rain, Overcast**
Wind: 2 MPH | Precipitation: .03" | Humidity: 97%	Wind: 2 MPH | Precipitation: .01" | Humidity: 100%	Wind: 1 MPH | Precipitation: .01" | Humidity: 100%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager) Andy (Public Works Director)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Rain and high River stage. Discussed during the morning meeting. Plan for the days and continue demolition of the filtration basin and admin building. Part for the high reached should arrive this morning and that should be back up and running today.
2. 0715 - Set up SP stations.
3. 0845 - Demo of the filtration basin continues.

4. 1300 - Demolition of the two story portion of the admin building commences.

5. 1440 - Moving connex out of low spot. Anchor reports to the city and this area should not be flooding.

6. 1530 - City resolves the issue with the flooding.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations Morning wind: 0-5 SE Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 12/06/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	48°	47°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .01" | Humidity: 100%	Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 10 MPH | Precipitation: .0" | Humidity: 98%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 -Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue demolition of the administration building. The high reach needs repairs, but the other machines will prep the building until that is finished.
2. 0715 - Start site perimeter stations.
3. 0730 - 3 Kings place protections over the vault lids on the west side of the administration building for any falling debris.

4. 0750 - Anchor does visual inspection of the scaffolding. Everything appears to be in order.

5. 0950 - 3 Kings , continuing demolition of the upper portion of the admin building.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 12/07/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
44°	44°	44°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 5 MPH | Precipitation: .01" | Humidity: 98%	Wind: 3 MPH | Precipitation: .0" | Humidity: 95%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 4 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue the demolition of the admin building. Waiting on a repair on the high reach. The crane in the former chlorine room will be salvaged this morning if possible.
2. 0715 - Start site perimeter stations.
3. 0900 - 3Kings working on the demolition of the former chlorine room.
4. 1000 - Weekly progress meeting.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 12/08/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
35°	42°	41°
Snow, Rain, Partially cloudy	**Overcast**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 100%	Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 94%

Work Logs

No entry

Name	Description	Quantity	Total Hours	Total Hours To Date
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition of the admin building and prep for loadout tomorrow.
2. 0715 - Start site perimeter stations.
3. 0751 - 3 Kings deconning machine tracks before moving machine into clean area.

4. 0830 - 3 Kings moves plates onto the road in accordance with engineers recommendation.
5. 1350 - 3Kings working on the chlorine room, walls and roof.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-10 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
				Ecology approves infiltration.

11. Important Communication	☐	☐	☑
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 12/11/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

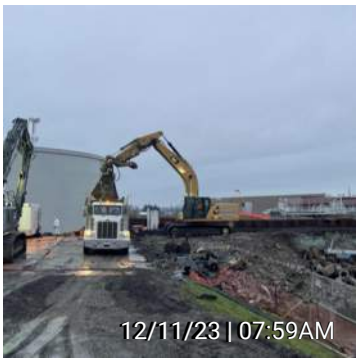
6:00 AM	12:00 PM	4:00 PM
44°	46°	46°
Overcast	Overcast	Overcast
Wind: 10 MPH | Precipitation: .0" | Humidity: 98%	Wind: 6 MPH | Precipitation: .0" | Humidity: 96%	Wind: 3 MPH | Precipitation: .0" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector) Doug Musser (Project Manager)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue demolition and begin material loadout.
2. 0725 - Start site perimeter stations.
3. 0800- Trucks on-site for loadout.



4. 0805 - Discharge of water into lagoon 2. 1/2 tank.

5. 0900 - Project update call.
6. 0945 - 3 Kings pumps additional 10k gallons into the Lagoon 1, making room for additional water.
7. 1346 - Demo of the Admin Bldg.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	Doug Musser on-site for the day.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SW Afternoon wind: 0-5 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Discharge 10k gallons each to Lagoons 1 and 2.
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 12/12/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
36°	44°	42°
Partially cloudy	**Clear**	**Clear**
Wind: 6 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 91%	Wind: 0 MPH | Precipitation: .0" | Humidity: 94%

Work Logs

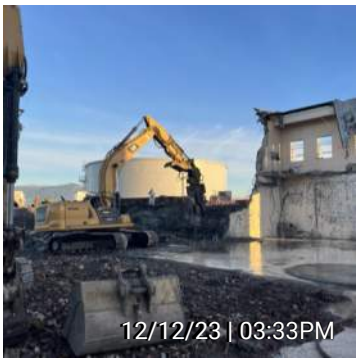
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector) Hayley Sharkey (Sampling)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on site. Morning safety meeting. Plan for the day is to get the high reach up and running and finish the demo of the superstructure. Waste load out will also continue.
2. 0725 - Start site perimeter stations.
3. 0750 - 3 Kings loaded the two PCB trucks on site this morning.
4. 0800 - 3 Kings , setting up the pump to start pumping water out of the clear well.

5. 0930 - Sampling of the lime storage building foundation with Hayley.
6. 1525 - Water continuing to accumulate in the new dirty tank from the clearwell.

7. 1530 - 3Kings, continuing with the demolition of the painted material.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Hayley on-site to sample lime building foundation.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Light and variablee Afternoon wind: Light and variablee
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Lime storage foundation samples.
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 12/13/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
41°	50°	50°
Partially cloudy	**Partially cloudy**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 88%	Wind: 12 MPH | Precipitation: .0" | Humidity: 57%	Wind: 3 MPH | Precipitation: .0" | Humidity: 61%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: Zaxis 450; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on-site. Morning safety meeting. Plan for the day is to loadout and process debris.
2. 0715 - Set up site perimeter stations.
3. 0730 - 3 Kings loads the PCB debris into the truck.
4. 0930 - cleanup and processing of the debris from the admin building.

5. 1300 - Demobilizing the long reach.
6. 1651 - 3 Kings submits CO for pedestals.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Additional 3Kings mechanics on site to prep the long reach to leave.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 NE Afternoon wind: 0-5 E
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	John Deere 470 Rental Delivered.
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☐	☑	CO for pedestals submitted.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 Loads PCB debris.

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 12/14/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
43°	44°	46°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 3 MPH | Precipitation: .01" | Humidity: 96%	Wind: 2 MPH | Precipitation: .01" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 97%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue loadout and material processing. Safway will be on-site to demob scaffolding.
2. 0745 - Safeay on-site to demob scaffolding.

3. 1000 - Weekly progress meeting.
4. 1130 - Tom offsite for the day.

Site Safety Observations

No entry

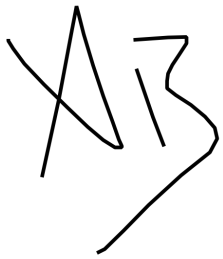
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Safway scaffolding on-site.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Stations started up after the rain subsided. Afternoon wind: light and variablee
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	

8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Results for the lime storage foundation were ND (with one Aroclor for one sample 0.15)
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 12/15/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

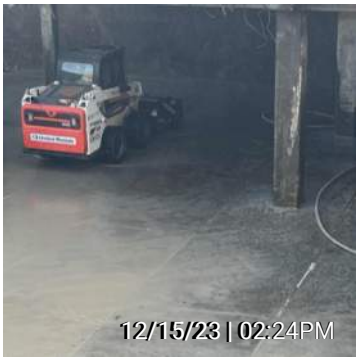
6:00 AM	12:00 PM	4:00 PM
45°	49°	47°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 6 MPH | Precipitation: .0" | Humidity: 93%	Wind: 1 MPH | Precipitation: .0" | Humidity: 88%	Wind: 0 MPH | Precipitation: .0" | Humidity: 94%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

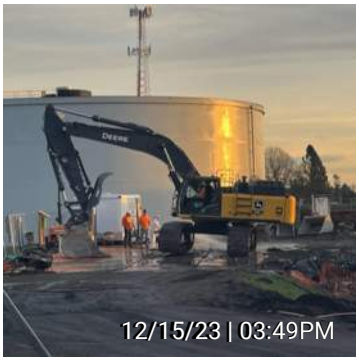
1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is load out and processing of material. The long reach boom will also go offsite this morning. 3Kings is working towards removing the chemical storage room slab as clean once underneath, has been cleaned.
2. 0715 - Start side perimeter stations.
3. 0730 - 3Kings lowboy on site to pick up the long reach boom. Load out truck also on site.
4. 0800 - Safway on-site removing the rest of the scaffolding.
5. 1425 - 3 Kings cleaning the Clearwell slab to remove the clean chemical storage room slab.



6. 1500 - 3Kings starting demo on the clean slab where the chemical storage room was.

7. 1510 - Elevated dust levels due to clean demo. Anchor request that they improve their dust suppression.

8. 1540 - Elevated levels at station two again. Anchor has 3Kings stop work until the desk levels are down. Also discusses working at a pace where the dust levels aren't an issue.
9. 1550 - 3 Kings deconning the 470



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	BrandSafway on-site finishing removal of scaffolding.
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 E
4. Air Monitoring Exceedances	☐	☐	☑	1510 - SP2 1540 - SP2
5. Materials Delivered / Removed	☐	☐	☑	Long reach boom demoed.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 12/18/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

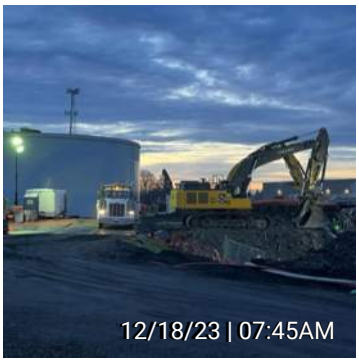
6:00 AM	12:00 PM	4:00 PM
41°	46°	46°
Overcast	**Overcast**	**Rain, Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 92%	Wind: 2 MPH | Precipitation: .01" | Humidity: 95%

Work Logs

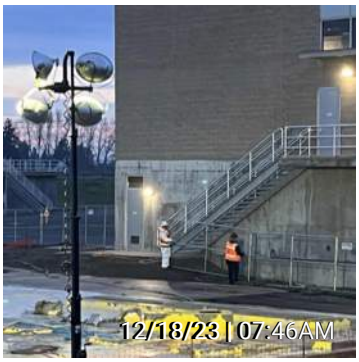
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on site. Morning safety meeting. Plan for the day is to continue loadout and demo of the clean slabs.
2. 0730 - Start SP stations.
3. 0745 - Truck positioning itself for loading material.



4. 0745 - 3Kings, installing additional fencing where the scaffolding was removed.



5. 0912 - 3Kings, continuing with the demolition of the clean slab.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 12/19/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
44°	52°	53°
Overcast	**Overcast**	**Rain, Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 3 MPH | Precipitation: .0" | Humidity: 90%	Wind: 4 MPH | Precipitation: .01" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue loadout and also possibly target the removal of the clean slab in the chemical storage room that is on grade.
2. 0730 - Start site perimeter stations for the day.
3. 0745 - Waste load out truck on site ready to be loaded.
4. 1030 - 3Kings opens the roof of the pipe gallery, removing the dirty slab and uncovers a largely hollow space underneath.

5. 1130 - Waste truck back on site for another round of loadout.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	The city is hosting a holiday morning breakfast, so additional city folks are on site.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SW Afternoon wind: 0-10 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	3 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 12/20/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
42°	50°	48°
Overcast	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 1 MPH | Precipitation: .0" | Humidity: 99%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue loadout.
2. 0725 - Start site perimeter stations.
3. 0730 - Loading the two trucks this morning.
4. 0745 - Anchor takes over a sample of the water from the treated tank to the city and has them test for pH and turbidity. pH is 6.75 and turbidity is 19.
5. 1015 - 3 Kings exploring the retaining wall. They began digging in the wrong spot and Joey is directing to dig at the south end instead. They plan to bring the mini-ex over to help investigate.

6. 1100 - Bi weekly call.
7. 1130 - 3 Kings uncovers 2 inch black PVC pipe while doing the wall excavation. Anchor confirms with the city that is likely the sanitary sewer reagent water pipe.
8. 1200 - Anchor takes the common borrow material to MTC.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind:light and variablee Afternoon wind:light and variablee
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	

6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Anchor delivered Tambor material from what 3Kings picked up yesterday
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	3 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 12/21/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	49°	48°
Rain, Overcast	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Todd (Supervisor) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue with the loadout and processing of the debris.
2. 0715 - Start site perimeter stations.
3. 0730 - Loading the first round of trucks.
4. 1000 - Weekly progress meeting.
5. 1215 - Trucks back onsite for second round.
6. 1420 - 3Kings starting on the pedestal removal. Almost immediately front glass on the 470 is broken.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	City is hosting a second round of holiday breakfast, so there are additional people on site for that.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 12/22/2023 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	46°	47°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 11 MPH | Precipitation: .01" | Humidity: 98%	Wind: 12 MPH | Precipitation: .01" | Humidity: 98%	Wind: 7 MPH | Precipitation: .0" | Humidity: 84%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		0	0	**0**

General Notes

1. 0700 - 3Kings and anchor on site. Morning safety meeting. Plan for the day is to load trucks and also preload two boxes for pick up first thing Tuesday morning. 3Kings will also look at creating a pad to do the removal of the pedestals.
2. 0725 - Trucks on site for loadout.
3. 0930 - 3Kings begins working on the pedestal removal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Rain.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	5 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 12/26/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

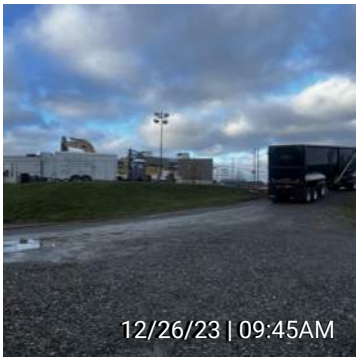
6:00 AM	12:00 PM	4:00 PM
46°	52°	50°
Rain, Overcast	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .01" | Humidity: 98%	Wind: 3 MPH | Precipitation: .0" | Humidity: 84%	Wind: 2 MPH | Precipitation: .0" | Humidity: 89%

Work Logs

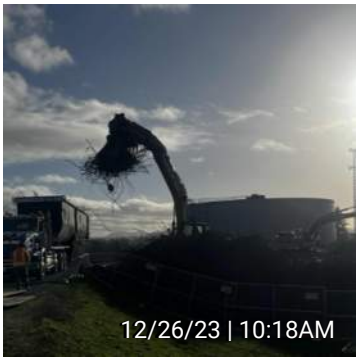
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Rachel Acker (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

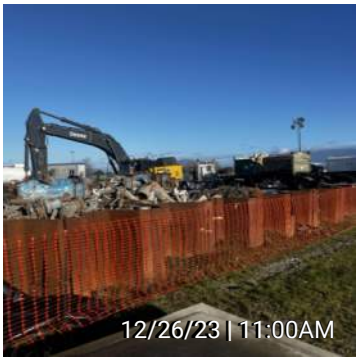
1. 06:50 AQ inspector on site
2. 07:00. AQ inspector talked to the superintendent. The rest of the crew will not be onsite until 10 or 11 this morning. The plan for the day is to load the two trucks.
3. 0900-Site perimeter air monitoring stations were turned on and the geotextile material was placed over the train
4. 09:45 Truck on site for load out. Another truck arrived to the site at 4am and took away a pre-packed container that was filled on Friday.



5. 1000-Rebar being loaded into a truck to be taken offsite



6. 1100 second truck has arrived on site for load off



7. 1210-3 Kings loads the second truck of construction debris while two laborers sort through debris for copper

8. 1400-COA employees are filling sandbags from their stockpile and are putting them on the tarp on top of the sediment stockpile.
9. 1730 a second roll top trick was loaded
10. 1735- Air monitoring stations were turned off for the day

Site Safety Observations

No entry

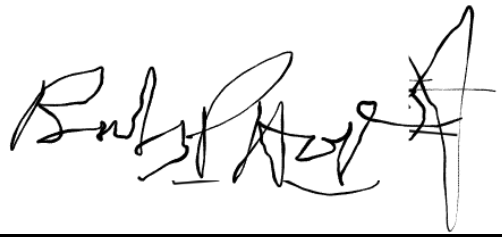
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	No exceedences. Am wind 5mph from the southeast Pm wind 11mph from the east northeast
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected				

	☐	☑	☐	
10. Lab Results Received	☑	☐	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Yes. Two trucks of contaminated debris and two trucks of rebar



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 12/27/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
50°	55°	52°
Clear	**Overcast**	**Rain, Partially cloudy**
Wind: 13 MPH | Precipitation: .0" | Humidity: 79%	Wind: 5 MPH | Precipitation: .0" | Humidity: 67%	Wind: 4 MPH | Precipitation: .0" | Humidity: 78%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Rachel Acker (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 3 Kings led a morning meeting in their trailer. Safety topics included aging and caution getting in and out of machinery.
2. 0720- Air monitoring sites perimeter stations were turned on
3. 0725 3 Kings began loading the first truck of the day for offsite removal
4. 1050 another truck is being loaded for offsite disposal

5. 1300-3 Kings continues to run water through the treatment system. Laborers continue to sort copper wire.
6. 1645 Water analysis came from Fremont Analytical
7. 1730-Site perimeter stations were turned off

Site Safety Observations

No entry

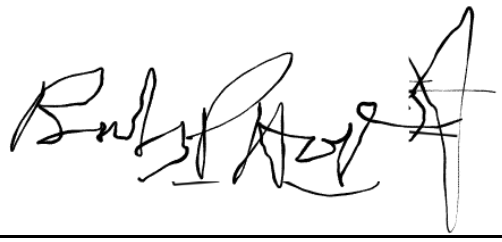
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	No exceedences. Am wind 4mph to the east Pm wind 10 mph to the east northeast
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	

8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Fremont analytical returned lab water quality results
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Yes. Two trucks of contaminates debris and two trucks of rebar



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 12/28/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
52°	54°	52°
Partially cloudy	**Overcast**	**Partially cloudy**
Wind: 15 MPH | Precipitation: .0" | Humidity: 80%	Wind: 13 MPH | Precipitation: .0" | Humidity: 87%	Wind: 11 MPH | Precipitation: .0" | Humidity: 91%

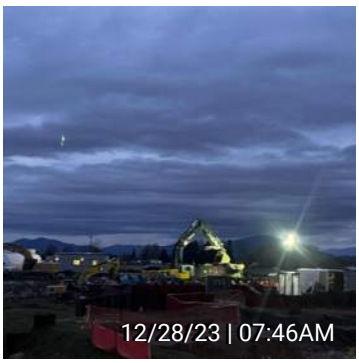
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Rachel Acker (Inspector) Hayley Sharkey (inspector) partial day	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

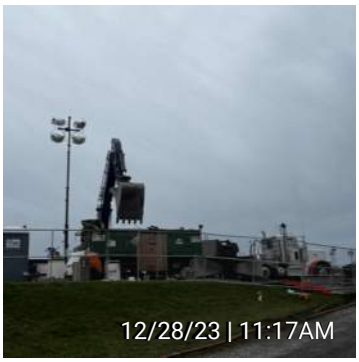
1. 0700-3 Kings. Inducted a morning meeting in their trailer. Safety topics today covered using your whole arm to wave in and signal trucks, instead of just your hand.

   The plan for the day is to load the trucks as they come. 3 Kings will also be taking their barrels of copper to marysville
2. 0730-Site perimeter stations were turned on
3. 0735-3 Kings began loading a roll top truck for offsite disposal of contaminated construction debris

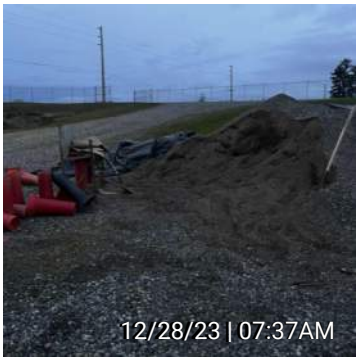


4. 0900-3 Kings has loaded the barrels of copper into a truck to be taken and sold offsite.
5. 1050-United Rentals onsite to assist with the water treatment system

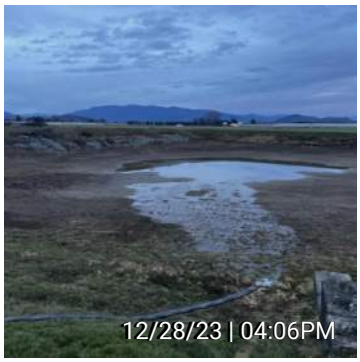
6. 1100-3 Kings is loading construction debris materials into a roll top truck for offsite disposal



7. 11:30 COA employees continue to cover the sediment stockpile on the north side of the project site.



8. 1320-3 Kings is loading material into a roll top truck to take off site
9. 1345-3 Kings has begun infiltrating water from one baker tank into the lagoons.



10. 1340-AQ inspectors preformed weekly drone inspection of clearwell geotextile fabric after strong gusts yesterday and last night.
11. 1730- Site perimeter stations were turned off

Site Safety Observations

No entry

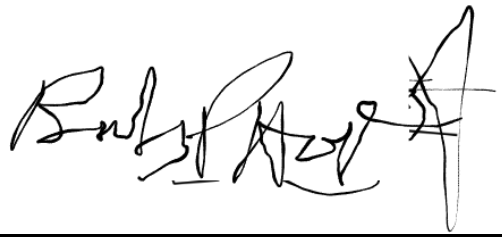
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Hayley Sharkey (AQ Engineer) United Rentals
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	AM wind 10 mph to the ENE PM wind 13 mph to the NE
4. Air Monitoring Exceedances	☐	☑	☐	
				Copper and bronze

5. Materials Delivered / Removed	☐	☐	☑
6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 12/29/2023 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
52°	59°	55°
Partially cloudy	**Partially cloudy**	**Partially cloudy**
Wind: 7 MPH | Precipitation: .0" | Humidity: 81%	Wind: 0 MPH | Precipitation: .0" | Humidity: 67%	Wind: 2 MPH | Precipitation: .0" | Humidity: 81%

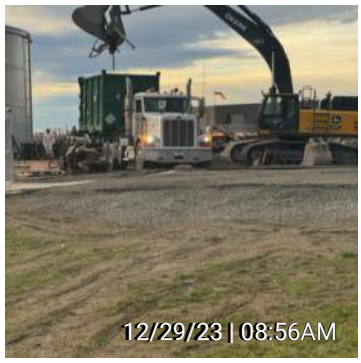
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Hayley Sharkey (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700-3Kings held a morning meeting in their trailer. The plan for the day is to continue stripping cooper. Additionally, another water sample will be taken and driven to the lab for analysis.
2. 0720-Site perimeter stations were turned on
3. 0745-3 Kings collected a water sample to take to the lab for analysis

4. 0845- 3 Kings loaded construction materials into a truck for offsite disposal. Laborers continue to sort copper into drums.



5. 0900-3 Kings superintendent left the site to bring the water samples to the lab for analysis
6. 11:30 3 Kings began cleaning out the emptied baker tank to prepare the system for the next batch

   There are two full boxes of construction debris materials at the south end of the site that are ready to be removed by WM.
7. 1500 3 Kings has begun running hose from the clearwell to the empty baker tank.
8. 1700-AP stations turned off

Site Safety Observations

No entry

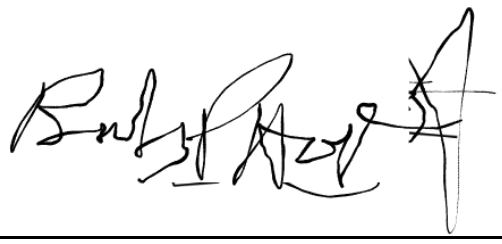
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

3. Was Air Monitoring Performed?	☐	☐	☑	AM wind PM wind
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Two trucks full of construction debris were removed from the site. A third box was loaded and left near the South Gate for pickup on Tuesday, January 2nd
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Water sample collected and brought to Fremont analytical for analysis
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 01/02/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
42°	45°	46°
Overcast	**Rain, Overcast**	**Partially cloudy**
Wind: 7 MPH | Precipitation: .0" | Humidity: 88%	Wind: 2 MPH | Precipitation: .01" | Humidity: 93%	Wind: 8 MPH | Precipitation: .0" | Humidity: 94%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rachel Acker (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0630 - Anchor on site.
2. 0730 - Tom on site. The rest of 3Kings will be arriving later this morning. The trucks were preloaded and left early in the morning.
3. 0945 - Loadout trucks back on site. Rest of the 3Kings crew on site to begin loading trucks.
4. 1045-Air monitoring stations were turned on
5. 1200 - water sample from tank four was taken to the treatment plant to test pH and turbidity.
   Turbidity - 2.76
   pH - 7.60
6. 1330 - 3Kings excavating around the active waterline. They will expose the former line so that they can make sure when it is removed. It does not affect the active line.

7. 1500-3 Kings manually excavating around the active waterline.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	

6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 4 loads PBC debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 01/03/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
43°	50°	48°
Overcast	**Partially cloudy**	**Rain, Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 93%	Wind: 4 MPH | Precipitation: .0" | Humidity: 90%	Wind: 10 MPH | Precipitation: .0" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on-site. Morning safety meeting. Plan for the day is to continue loadout and also continue exposing the large pipe at the SW corner.
2. 0705 - Trucks on-site for load out.
3. 0715 - Anchor starts the air monitoring stations.
4. 1100 - Biweekly call
5. 1145 - Trucks back onsite for second round of loadout.
6. 1330 - 3Kings using the hammer attachment on the mini excavator to continue work exposing the pipe.

7. 1700 - IT coming to check the internet conduit that was cracked.
8. 1800 - City IT on-site to look at internet and bumped line.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Small hammer mobilized.
6. Requests for Information	☐	☑	☐	

7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☐	☑ Plastic conduit broken with communication lines. Internet went down but appears to be coincidence.
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 01/04/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	45°	47°
Rain, Overcast	**Rain, Overcast**	**Partially cloudy**
Wind: 13 MPH | Precipitation: .01" | Humidity: 96%	Wind: 9 MPH | Precipitation: .0" | Humidity: 98%	Wind: 4 MPH | Precipitation: .0" | Humidity: 91%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to load out trucks and demob some of the equipment. Also, they will get repair conduit to fix what was cracked yesterday.
2. 0730 - Set up air monitoring stations.
3. 0745 - load out trucks on site. 3Kings truck to demo equipment is also on site and 3Kings is prepping to load it.
4. 1000 - Weekly progress meeting.
5. 1200 - Loadout trucks back on site for the second round.
6. 1430 - Continued work on the pipe on the SW corner of the Admin Building.
7. 1620 - Strong smell of smoke in the air.
8. 1640 - SP3 spike, and the other stations are going up from the smoke in the air but not by as much. Station three seems to be in the path of a fire from across the river. Shutting down the air stations due to the smoke.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Trucker on-site to demob some 3 Kings equipment.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Big clam, boom and jib and steel removed.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected				

	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	5 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 01/05/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
42°	46°	46°
Overcast	Overcast	Overcast
Wind: 7 MPH | Precipitation: .0" | Humidity: 98%	Wind: 16 MPH | Precipitation: .0" | Humidity: 93%	Wind: 17 MPH | Precipitation: .0" | Humidity: 91%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3 Kings an anchor on site. Morning safety meeting. Plan for the day is to continue loadout.
2. 0705 - results from the third tank of filtered water past project specifications and anchor approves 3Kings to infiltrate it today into the two lagoons.
3. 0715 - start air monitoring stations for the day.
4. 0800 - Internet out at the trailers is down. Anchor lets the city know, and IT will look into it.
5. 0950 - 3Kings loading barrels of copper and brass to take to the scrap yard.

6. 1045 - Trucks for loadout on site.
7. 1320 - Brian comes over to the trailer and offers to have a city electrician verify the patchwork on that conduit since there's slight risk with doing anything repair wise for the industrial.

Site Safety Observations

No entry

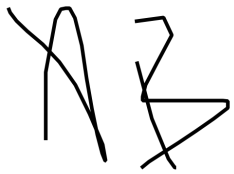
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-10 S Afternoon wind:5-15 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	

8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Third tank results meet project specs.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 01/08/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

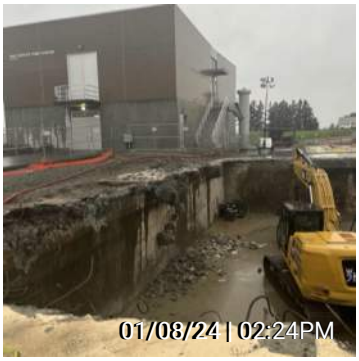
6:00 AM	12:00 PM	4:00 PM
37°	39°	41°
Rain, Overcast	**Rain, Overcast**	**Rain, Overcast**
Wind: 8 MPH | Precipitation: .01" | Humidity: 97%	Wind: 10 MPH | Precipitation: .03" | Humidity: 97%	Wind: 10 MPH | Precipitation: .02" | Humidity: 98%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on-site. Plan for the day is to continue load out and work on the pipe at the SW corner.
2. 0715 - Won't start up site perimeter stations unless the rain subsides.
3. 0730 - Trucks have picked up loads this morning and will be back around 9:30 for the second round.
4. 0830 - 3 Kings processing concrete for loadout.
5. 0930 - Trucks on-site for second round of loadout.
6. 1000 - Weekly site team call.
7. 1215 - Electrician onsite to inspect cracked conduit.
8. 1230 - Tom sends results from Tank 4 and 5 and they meet project specs and are approved for discharge. 10k gallons to each lagoon 1 and 2 today.
9. 1425 - 3Kings working on the pipe removal and also doing some of the contaminated demo in the lobby area.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	No monitoring due to rain.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Water tanks 4 and 5 results.
11. Important Communication	☐	☐	☑	City communicated that the covers don't need to be removed anymore at the end of the week.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 01/09/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
43°	46°	45°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 12 MPH | Precipitation: .02" | Humidity: 94%	Wind: 20 MPH | Precipitation: .0" | Humidity: 94%	Wind: 22 MPH | Precipitation: .0" | Humidity: 91%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue pipe removal and loadout.
2. 0705 - Trucks have already grabbed a load today and will be back around 9.
3. 0730 - Anchor confirms that it is okay to leave the rubblized concrete in the pipe removal hole.
4. 0920 - Clean Harbors on-site.
5. 1030 - 3 Kings finished removing pipe and beginning backfilling with the material that originally came out of the hole. The conduit is left exposed for further inspection.
6. 1130 - Trucks on-site for second round.
7. 1400 - 3 Kings fixing the fencing and equipment from the high winds.

8. 1415 - Anchor takes a sample of water over to the active plant to run turbidity and pH. Turbidity is 0.88, pH is 7.04.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Clean Harbors on-site to inventory. United on-site to service nitrogen injection in water treatment system.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Rain all day.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☐	☑	High winds today.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☐	☑	3 Kings indicates the grading permit has been approved pending payment.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 01/10/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

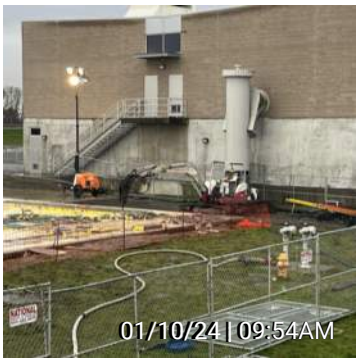
6:00 AM	12:00 PM	4:00 PM
38°	39°	39°
Rain, Overcast	**Overcast**	**Rain, Overcast**
Wind: 3 MPH | Precipitation: .03" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 96%	Wind: 0 MPH | Precipitation: .06" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

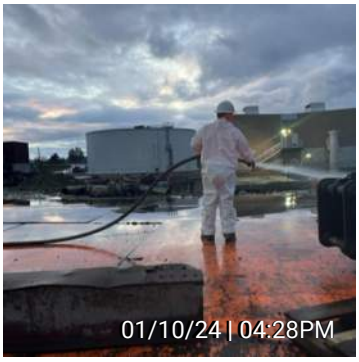
General Notes

1. 0700 - Anchor and 3 Kings on-site. Plan for the day is to continue loadout.
2. 0815 - Start SP stations.
3. 0830 - 3 Kings taking the next sample down to Seattle.
4. 0915 - 3 Kings continues work on the pump room slab removing the pedestals.



5. 1020 - Truck on-site for second round.
6. 1400 - The city gives the OK to backfill over that repaired conduit where the pipe was removed at the southwest corner of the admin building. Brian says that the on-site sandbag material behind the shed is sufficient for backfilling that area. Anchor passes that along to Matt from 3 Kings .
7. 1515 - 3 Kings fills in the area southwest of the admin building where the pipe was removed with that graded material that the city specified

8. 1630 - 3 Kings cleaning the loading zone.



9. 1630 - 470 cleaned and staged ready to leave site later this week.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

Field orders 3,4,5 completed and placed

11. Important Communication	☐	☐	☑	on Egnyte.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 01/11/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
38°	39°	30°
Clear	**Partially cloudy**	**Overcast**
Wind: 6 MPH | Precipitation: .0" | Humidity: 72%	Wind: 12 MPH | Precipitation: .0" | Humidity: 59%	Wind: 4 MPH | Precipitation: .0" | Humidity: 69%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue loadout and pedestal removal.
2. 0800 - Start site perimeter stations.
3. 0815 - 3 Kings continues pedestal removal.

4. 0915 - Truck on-site for loadout.
5. 1000 - Weekly progress meeting.
6. 1108 - Anchor passes along the reminder from the city to drain the hydrant at the north end before the freezing temperatures.

Site Safety Observations

No entry

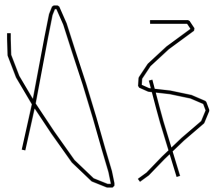
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 W Afternoon wind: 0-10 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	

8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☐	☑	3 Kings submits COP for time extension.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	5 loads PCB debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 01/12/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
12°	16°	16°
Clear	Clear	Clear
Wind: 9 MPH | Precipitation: .0" | Humidity: 56%	Wind: 4 MPH | Precipitation: .0" | Humidity: 42%	Wind: 10 MPH | Precipitation: .0" | Humidity: 39%

Work Logs

No entry

Name	Description	Quantity	Total Hours	Total Hours To Date
Total		0	0	**0**

General Notes

1. No work on-site but trucks come to pick up preloaded boxes. Boxes will be counted with Mondays loads.

Site Safety Observations

No entry

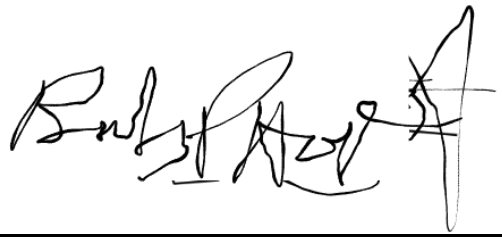
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☑	☐	☐	
2. Work Stoppages	☑	☐	☐	
3. Was Air Monitoring Performed?	☑	☐	☐	
4. Air Monitoring Exceedances	☑	☐	☐	

5. Materials Delivered / Removed	☑	☐	☐
6. Requests for Information	☑	☐	☐
7. Health and Safety Information	☑	☐	☐
8. Problems/Deficiencies	☑	☐	☐
9. Lab Samples Collected	☑	☐	☐
10. Lab Results Received	☑	☐	☐
11. Important Communication	☑	☐	☐
12. Unusual Events/Activities	☑	☐	☐
13. Waste Disposal	☑	☐	☐



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 01/15/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
16°	32°	32°
Clear	Clear	Clear
Wind: 0 MPH | Precipitation: .0" | Humidity: 94%	Wind: 1 MPH | Precipitation: .0" | Humidity: 68%	Wind: 0 MPH | Precipitation: .0" | Humidity: 69%

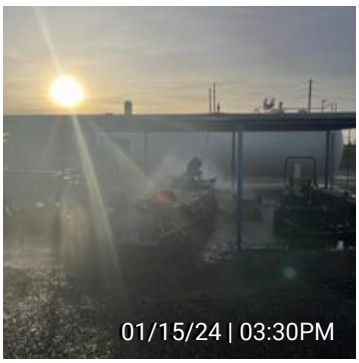
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 1 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on-site. Morning safety meeting. Plan for the day is to continue debris loadout.
2. 0730 - Start up site perimeter stations.
3. 0850 - Loadout truck on-site.
4. 1400 - 3 Kings points out where some water is bubbling up out of the ground at the north end of the admin building. On further inspection, there's also a busted pipe on the high-pressure overflow tank.

5. 1530 - pipe burst.



6. 1600 - 3 Kings completes the removal of the pedestals and the cleanup.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	3 Kings trucker to pick up processor.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variable

4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☐	☑ Processor.
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☐	☑ Freezing temperatures.
8.	Problems/Deficiencies	☐	☐	☑ Active treatment plant dealing with issues arising from the cold.
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 6 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 01/16/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

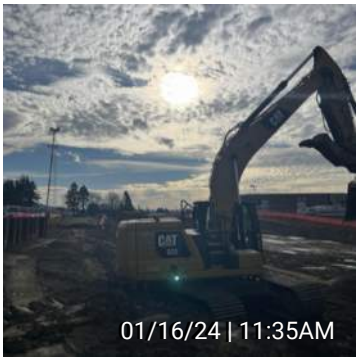
6:00 AM	12:00 PM	4:00 PM
20°	32°	32°
Clear	**Clear**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 96%	Wind: 2 MPH | Precipitation: .0" | Humidity: 80%	Wind: 1 MPH | Precipitation: .0" | Humidity: 79%

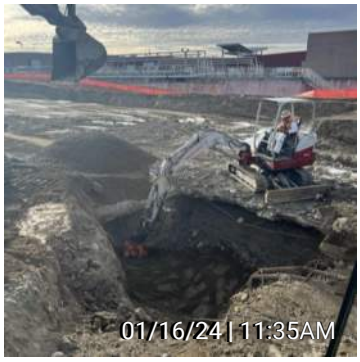
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Water cannon; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 2 hydraulic clam attachments.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Mikayla Bowers (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3 Kings and Anchor on-site. Morning safety meeting. Plan for the day is to continue loadout of material.
2. 0730 - Start up site perimeter stations.
3. 0900 - Trucks on-site.
4. 0830 - Jason Hawks on-site. Site walk and talk through.
5. 1130 - 3 Kings filling the hole at the north end of the side basin with Tom and borrow brought to the site.





6. 1355 - 3Kings, making improvements to surrounding erosion control, measures in anticipation of having an erosion control inspection as part of the grading permit. Also working on packing borrow into the hole at the north end of the side basin.

Site Safety Observations

No entry

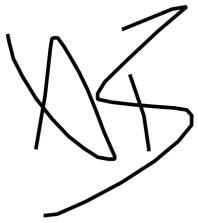
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variablee
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	2 loads common borrow.
6. Requests for Information	☐	☑	☐	

7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☐	☑ Preliminary results for tank six look good. Water will be infiltrated, and the final report will be filed once it is sent from 3Kings.
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 4 loads PCB debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 01/17/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
32°	32°	32°
Snow, Rain, Overcast	**Snow, Rain, Overcast**	**Snow, Rain, Overcast**
Wind: 1 MPH | Precipitation: .02" | Humidity: 99%	Wind: 11 MPH | Precipitation: .09" | Humidity: 97%	Wind: 1 MPH | Precipitation: .01" | Humidity: 97%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3 Kings , and Anchor on site. Morning safety meeting. Plan for the day is to continue loading trucks and work on the pipe gallery.
2. 0900 - 3 Kings working with the hammer on the pipe gallery.

3. 1100 - Biweekly update meeting.
4. 1130 - Discussion with Brian on the change order and other biweekly call items.
5. 1345 - 3 Kings continues on the pipe gallery area.

Site Safety Observations

No entry

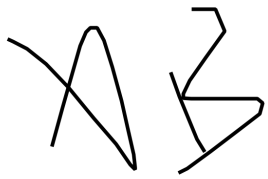
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Snow and rain. Monitoring in the afternoon.
4. Air Monitoring Exceedances	☐	☑	☐	

5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Snow and slush making for slick conditions.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 01/18/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
31°	34°	35°
Partially cloudy	**Snow, Rain, Overcast**	**Snow, Rain, Overcast**
Wind: 8 MPH | Precipitation: .0" | Humidity: 95%	Wind: 2 MPH | Precipitation: .01" | Humidity: 97%	Wind: 12 MPH | Precipitation: .04" | Humidity: 97%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the days to continue demolition debris, load out and clean up around the pipe gallery slab.
2. 0730 - Start up air stations.
3. 0800 - 3 Kings working on snow and ice removal and also processing clean concrete from the pipe gallery.
4. 0941 - metro metals on site to pick up scrap box.

5. 1000 - Weekly progress meeting
6. 1045 - 3 Kings trenching along sheet pile.
7. 1100 - 3 Kings encounters 12” white pvc pipe and Anchor inspects and confirms with Mario it is a dead line from the lagoon.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-10 S

4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Final report for sixth tank of water meets project specs.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 01/19/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
36°	39°	39°
Rain, Overcast	**Rain, Partially cloudy**	**Overcast**
Wind: 6 MPH | Precipitation: .02" | Humidity: 97%	Wind: 1 MPH | Precipitation: .01" | Humidity: 97%	Wind: 7 MPH | Precipitation: .0" | Humidity: 98%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings onsite. Morning safety meeting. Plan for the day is to continue loadout.
2. 0715 - Trucks onsite.
3. 0745 - start air monitoring stations.
4. 1420 - Anchor shuts down the air monitoring stations due to rain and lack of dust. Generating work activities.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	6 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 01/22/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

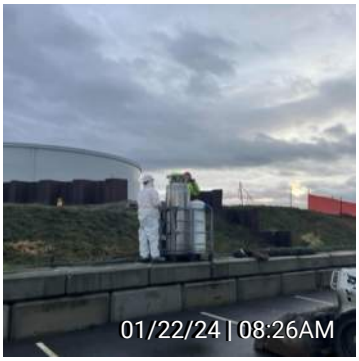
6:00 AM	12:00 PM	4:00 PM
44°	48°	50°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 10 MPH | Precipitation: .04" | Humidity: 97%	Wind: 4 MPH | Precipitation: .02" | Humidity: 98%	Wind: 4 MPH | Precipitation: .0" | Humidity: 97%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3Kings and Anchor on site. Morning safety meeting. Plan for the day is to continue loadout and also begin torch cutting the sheet piles and prepping for backfill in the sed basin.
2. 0815 - 3Kings prepping to torch cut the sheet piling.

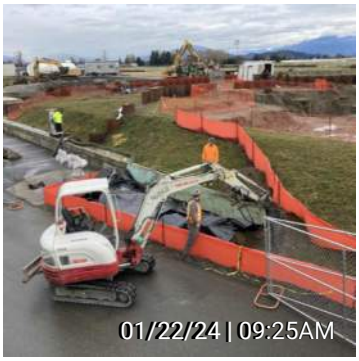


3. 0830 - Setting up air stations.
4. 0835 - Trucks onsite.
5. 0900 - 3 Kings excavating to remove retaining wall.

6. 1000 - Weekly site team meeting.
7. 1100 - Demo of retaining wall continues.

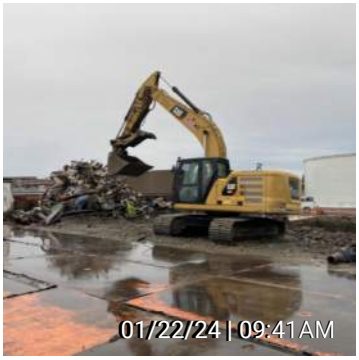
8. 0910 BDH site walk and start-up air monitoring stations.

Sheet pile cutting.



CO 3 site wall demo.

Delivery of containers for waste shipping (SW corner of site).



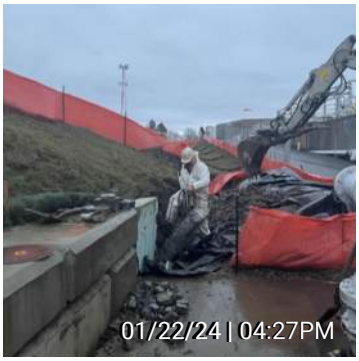
Admin/filtratoin basin debris load-out.

Admin building hole. Note, PCB-painted pedestals are gone from pump room slab.

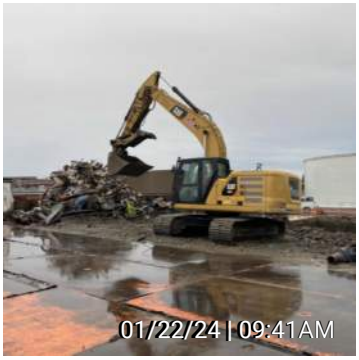
9. 1400 - 3 Kings , continuing wall removal and torch cutting of the sheep piles.

10. 1515 - Wall demo.

11. 1430 - Wall removal progress.



12. 1615 BDH Site walk. Wall demo ongoing. Sheet pile cutting ongoing.



13. 1800 BDH shut-down air monitoring stations. All nominal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	

3.	Was Air Monitoring Performed?	☐	☐	☑ Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-5 S
4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☐	☑ Hot work on pile cutting.
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☐	☑ Sixth tank infiltrated. ~10k gallons to each lagoon 1 and 2.
13.	Waste Disposal	☐	☐	☑ 4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 01/23/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	50°	51°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 3 MPH | Precipitation: .01" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 96%	Wind: 2 MPH | Precipitation: .0" | Humidity: 92%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to finish retaining wall removal, continue load out, continue cutting the sheet piles.
2. 0830 - Trucks onsite.
3. 1045 - Trucks back onsite.
4. 1140 - 3 Kings doing the final cleaning of the area around the retaining wall.

5. 1400 - 3Kings continuing to work on the sheet piling and also some dirt moving in the side basin area.

6. 0930 - BDH rain stopped, start-up air monitoring stations.
7. 1530 - BDH site walk and check air monitoring stations. Stations nominal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description

1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 01/24/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
44°	48°	51°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 7 MPH | Precipitation: .02" | Humidity: 96%	Wind: 4 MPH | Precipitation: .01" | Humidity: 96%	Wind: 4 MPH | Precipitation: .0" | Humidity: 94%

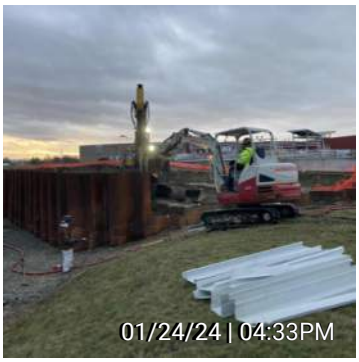
Work Logs

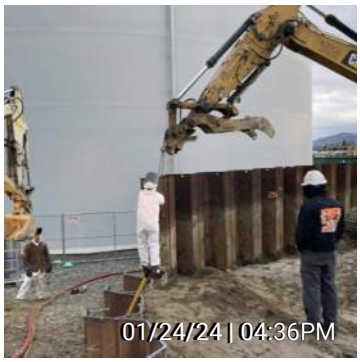
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
Total		1	0	**0**

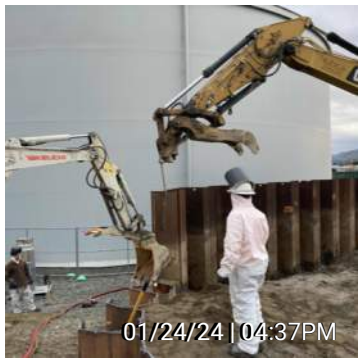
General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue sheet pile cutting. Load out will also continue.
2. 0920 - 3 Kings prepping the side basin for backfill. Also working on cutting the sheet piles.
3. 1000 - Waste load out trucks on site.
4. 1315 - Start the site perimeter stations after the rain has stopped.
5. 1330 BDH site walk and start air monitoring stations.

6. 1630 BDH site walk. Laborers stripping copper wire. Crews removing sheet pile, using mini-ex and ex, lifting with chain. Chain in use started stretching/bending at a link. Stopped to swap to a different chain.







Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations were started up after lunch after the rain stopped. Afternoon wind: 0-5 SE

4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 01/25/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	49°	50°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 12 MPH | Precipitation: .0" | Humidity: 94%	Wind: 12 MPH | Precipitation: .0" | Humidity: 92%	Wind: 10 MPH | Precipitation: .0" | Humidity: 93%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 3 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Morning safety meeting. Anchor ans 3 Kings onsite. Plan for the day is to continue waste loadout and pile cutting.
2. 0930 - 3Kings continuing to cut the sheet pile.

3. 1000 - Weekly progress meeting.
4. 1415 - 3 Kings regrading the area where the retaining wall was removed after Fred collects his points.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	After lunch stations started.
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	

6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 01/26/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	50°	53°
Overcast	**Partially cloudy**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 95%	Wind: 3 MPH | Precipitation: .0" | Humidity: 89%	Wind: 4 MPH | Precipitation: .0" | Humidity: 84%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Rebecca Desrossiers (Project Engineer) Derry Eavanger (Structual Enginner)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings onsite. Morning safety meeting. Plan for the day is to continue loadout and pile cutting.
2. 0730 - Start SP stations.
3. 0740 - 3Kings, continuing with the sheet pile cutting. Also loading brass and copper for recycling.
4. 0830 - Rebecca and Derry onsite.
5. 1430 - County inspector onsite. Erosion control approved.
6. 1615 - Anchor shuts down the air monitoring stations for the day.
7. 1620 - 3 Kings completes the cutting of the sheet pile.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Rebecca and Derry on-site. County inspector.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Job trailer removed.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	

8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Copper and brass recycled.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 01/29/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

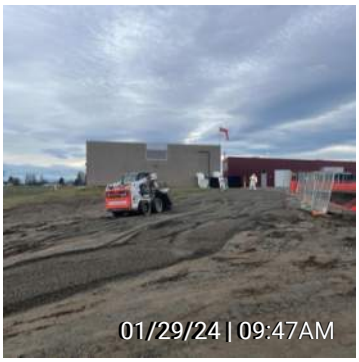
6:00 AM	12:00 PM	4:00 PM
56°	60°	62°
Partially cloudy	**Partially cloudy**	**Partially cloudy**
Wind: 4 MPH | Precipitation: .0" | Humidity: 88%	Wind: 2 MPH | Precipitation: .0" | Humidity: 84%	Wind: 5 MPH | Precipitation: .0" | Humidity: 81%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barbaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

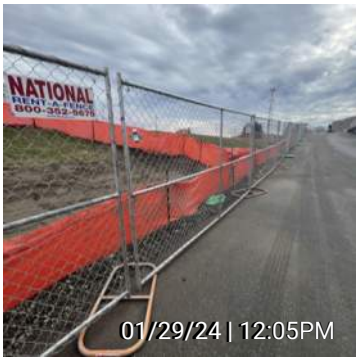
General Notes

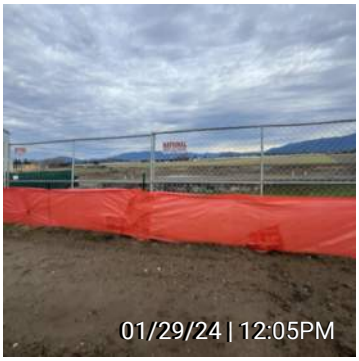
1. 0700 - Morning meeting. Anchor and 3 Kings onsite. Plan for the day is to work in the Sed Basin. No trucks.
2. 0725 - Start SP stations.
3. 0845 - Borrow being delivered and 3 Kings working in the Sed Basin.
4. 0945 - 3Kings working on making repairs to the road access.



5. 1000 - Weekly site team meeting.
6. 1200 - Load of borrow being delivered.

7. 1200 - Anchor walks the site and documents corrections made from recommendations by the county stormwater inspector.





Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	United rentals is on site doing the repair of the water treatment system.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SE Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 01/30/2024 **Job #** 210528-05.01

Weather

6:00 AM	12:00 PM	4:00 PM
53°	54°	57°
Overcast	**Overcast**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 94%	Wind: 2 MPH | Precipitation: .0" | Humidity: 95%	Wind: 1 MPH | Precipitation: .0" | Humidity: 86%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barbaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue backfill in the sed basin. Waiting to see if any trucks show up today.
2. 0745 - Start site perimeter stations for the day.
3. 0800 - MTC onsite.
4. 1030 - Tire repair on the haul truck.
5. 0600 BDH walk and shut-down air monitoring stations. All nominal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	MTC United rentals onsite to finish repair of water treatment system.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Afternoon wind:
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 01/31/2024 **Job #** 210528-05.01

Weather

6:00 AM	12:00 PM	4:00 PM
55°	56°	55°
Rain, Partially cloudy	**Rain, Partially cloudy**	**Rain, Overcast**
Wind: 11 MPH | Precipitation: .0" | Humidity: 94%	Wind: 4 MPH | Precipitation: .0" | Humidity: 89%	Wind: 3 MPH | Precipitation: .0" | Humidity: 92%

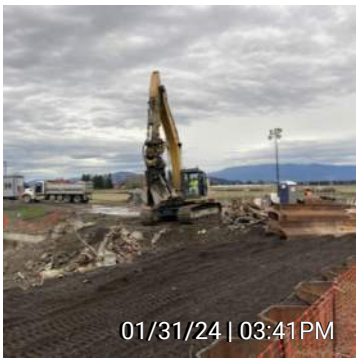
Work Logs

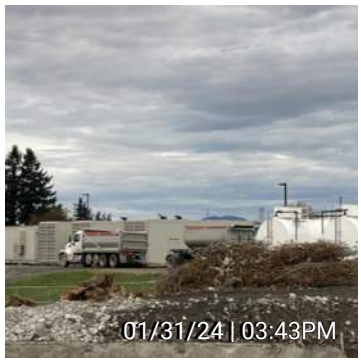
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM) Mikayla Bowers (Inspector/air monitoring)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0640 BDH arrived onsite.
   0700 3K safety meeting. Safety topics: hand washing for disease transmission prevention; recycling sorting safety; awareness of roller compactor with operator blind spots.
   Production notes:
   2 haul trucks with 2 trips each anticipated today (impacted debris hault-out from admin building/filtration basins).
   Gravel borrow import and backfill in sedimentation basin, against west wall and east berm (per CO).
2. 0730 MB start air monitoring stations. All nominal.
3. 1100 MB check air monitoring stations, all nominal.
4. 0830 haul truck departs with container.
5. 0950 Site walk. Crews idle, awaiting another common barrow load. Joey indicates anticipate a total of 4 pup-and-truck trips today, 2 completed. One trailer load on east side berm, remainder on west wall backfill of sedimentation basin.

6. 1100 biweekly CM-owner team meeting
7. 1530 Site walk--gravel borrow truck leaving. 3K ongoing placement and compaction of borrow in sedimentation basin, west side. Sorting metals out of debris in admin/filtration basin. Encountered Brian M. and discussed project. BM directed that small concrete slab discussed in 1100 meeting is to be removed, as per plan. Discussed south end of existing ecology block wall, where small stem wall was demolished, agreed additional block not required. 1615 another borrow truck departing.





8. 1700 MB shut down air monitoring stations. All nominal.
9. 1720 Per discussion with TK, 4 PCB contaminated debris export containers loaded yesterday with 3 hauled yesterday, 1 today. No hauling anticipated tomorrow.

10. 1614 gravel borrow haul truck departing.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow delivered.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Morning H&S meeting.
8. Problems/Deficiencies	☐	☐	☑	Note, *no* debris haul-out (PCB contaminated debris)--Waste Management not providing containers/trucks.
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☐	☑	Field discussion with Brian M, see notes.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 02/01/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
52°	57°	57°
Rain, Overcast	**Overcast**	**Partially cloudy**
Wind: 4 MPH | Precipitation: .0" | Humidity: 94%	Wind: 12 MPH | Precipitation: .0" | Humidity: 79%	Wind: 16 MPH | Precipitation: .0" | Humidity: 64%

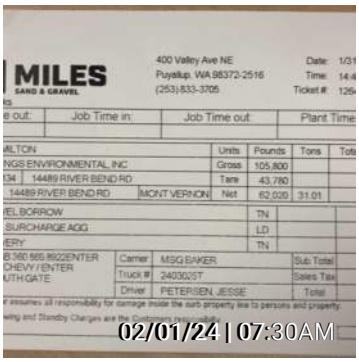
Work Logs

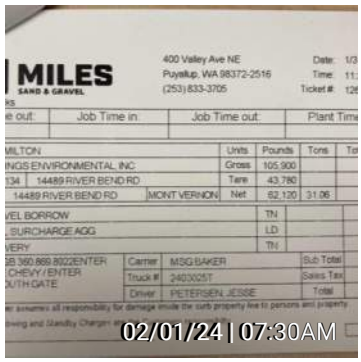
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM) Mikayla Bowers (Inspector/air monitoring)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

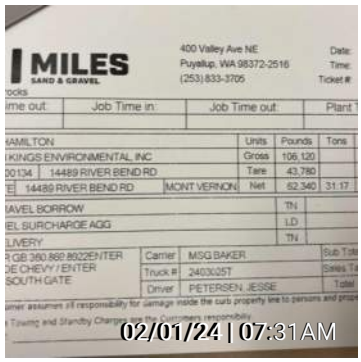
General Notes

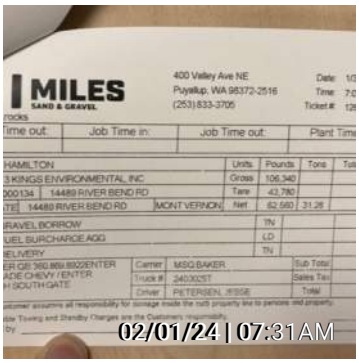
1. 0650 BDH onsite.
   0655 safety meeting, topics:
   *Heavy equipment safety. Operators verify clearance around equipment. Kill switch usage.
   *Bioterrorism awareness, potential targets of public water utilities.
   *Hantavirus awareness, is present in rodent droppings.

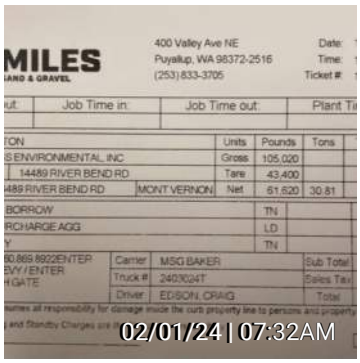
   Operations today will include gravel borrow import and placement in sedimentation basin. No PCB contaminated debris hauling today.
2. 0730 MB start air monitoring stations, all nominal.
3. Gravel borrow truck tickets from 3K for Mon (1/29), Tue (1/30) and Wed (1/31).

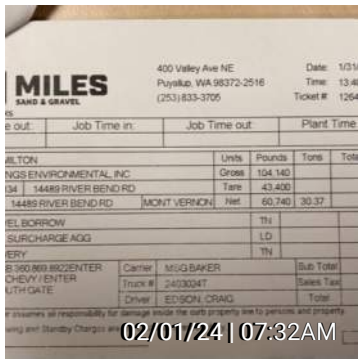


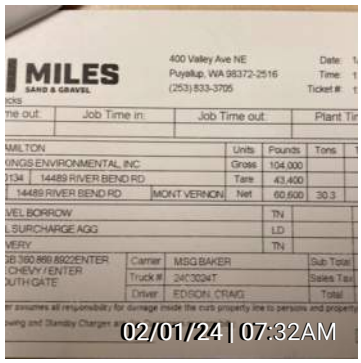


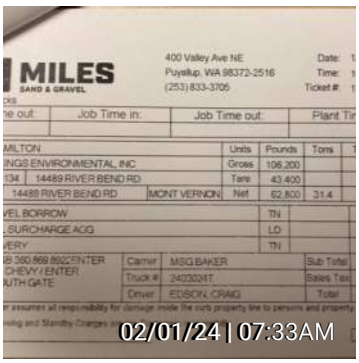


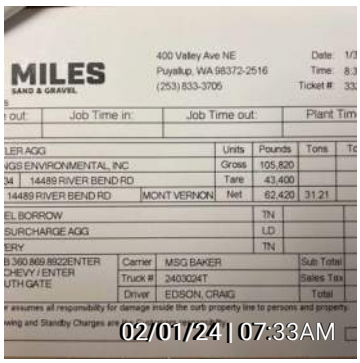


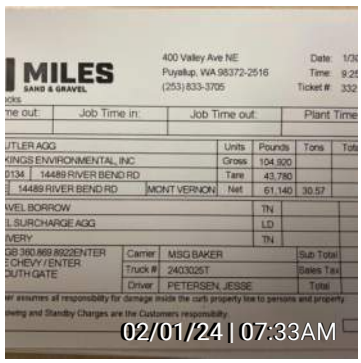


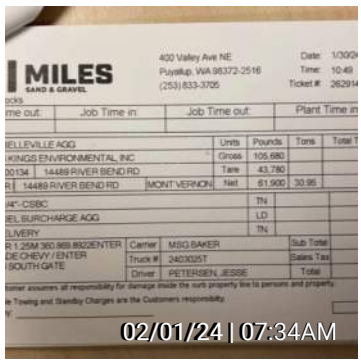


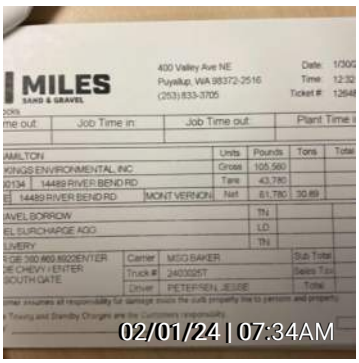


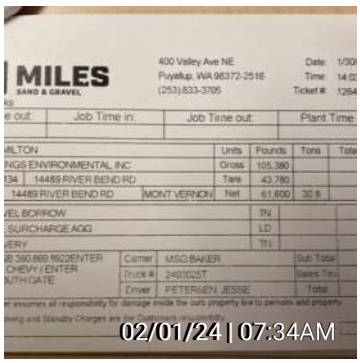


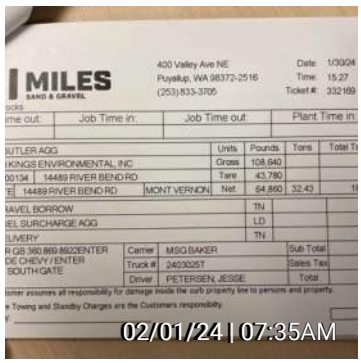


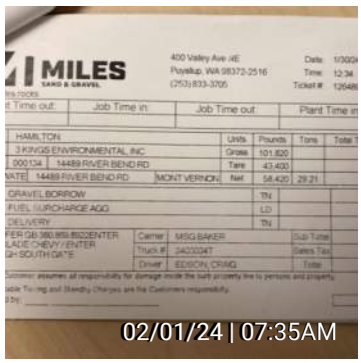


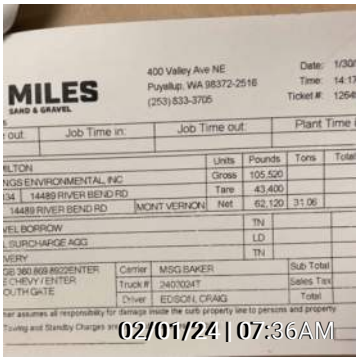


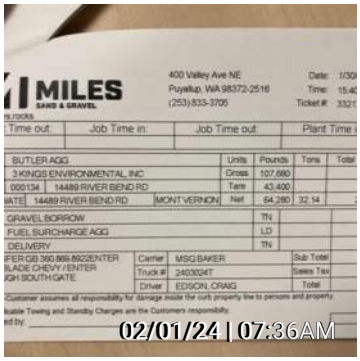


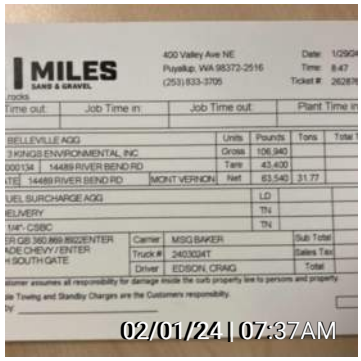


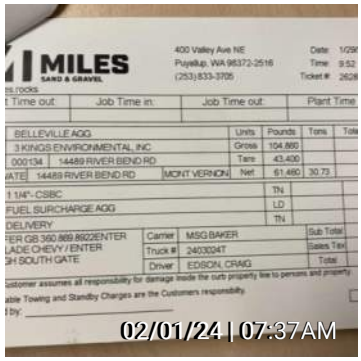


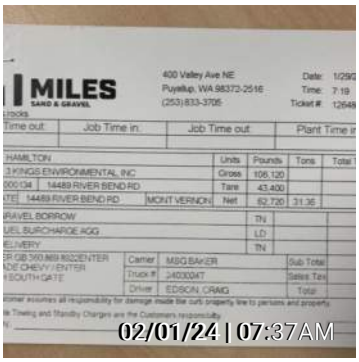


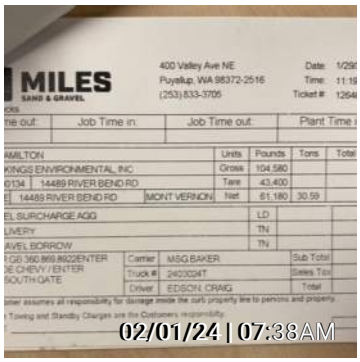


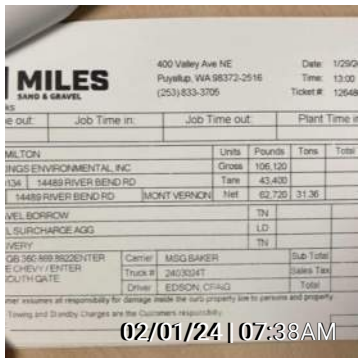


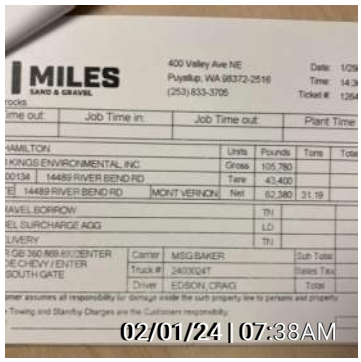






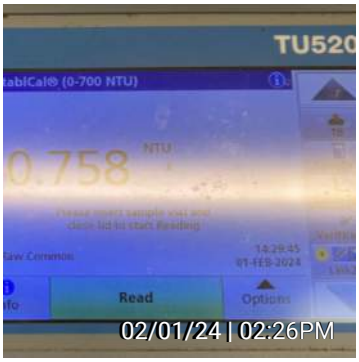


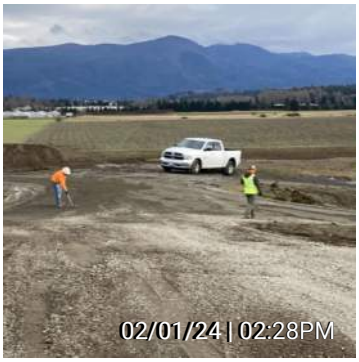




4. 1415 3K request plant preliminary testing for stormwater discharge sample.
   Plant lab checked turbidity (0.758 NTU) and pH (7.26). Informed 3K they can proceed with 3rd party testing. Anticipate results in 3-5 days, so perhaps discharge Wednesday next week. This is for 1 tank. Next treatment, testing and discharge will be 2-tank pair. Treatment of those tanks will start now, while waiting for test results.

   Site photos from walk to/from lab.





5. 1620 site walk.

6. 1000 Weekly construction meeting.
7. 1640 MB shut down air monitoring stations. Station 3 negative readings.

Site Safety Observations

No entry

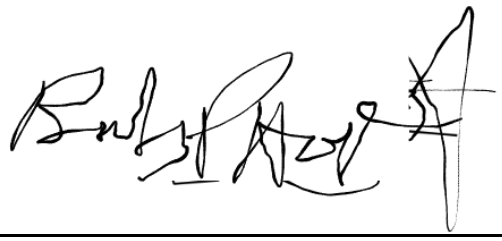
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow delivered.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Morning H&S meeting.
8. Problems/Deficiencies	☐	☐	☑	Note, *no* debris haul-out (PCB contaminated debris)--Waste Management not providing containers/trucks.
9. Lab Samples Collected	☐	☐	☑	Stormwater discharge sample provided by 3K and tested for turbidity and pH by plant. (Unofficial)

10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☐	☑	See weekly construction meeting notes.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 02/02/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
51°	53°	53°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 13 MPH | Precipitation: .0" | Humidity: 79%	Wind: 12 MPH | Precipitation: .0" | Humidity: 81%	Wind: 10 MPH | Precipitation: .0" | Humidity: 67%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent)--not onsite today 2 laborers 1 mechanic 1 operator (reduced crew today)	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM) Mikayla Bowers (Inspector/air monitoring)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0650 Arrive onsite.
   0700 3K morning H&S meeting.
   Safety topics: reminder to wear appropriate PPE, including safety toe boots with ankle support; situational awareness.
   Work plan today is continued gravel borrow import and placement in the sedimentation basin. Anticipate finishing in SW corner, maybe starting on NE berm. 1 import truck running.
   No debris export today.
2. 0730 MB start air monitoring stations. All nominal.
3. 1430 site walk. 3K dressing access road with skid steer and placing gravel borrow in sedimentation basin. Additional gravel borrow deliveries anticipated.

4. 1700 Shut down air monitoring stations, all nominal. 3K shutting down for day.

Site Safety Observations

No entry

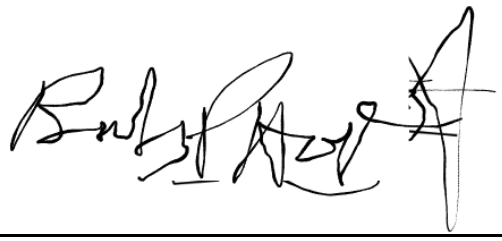
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow import.
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☐	☑	Morning H&S meeting.
8. Problems/Deficiencies	☐	☐	☑	Note, *no* debris haul-out (PCB contaminated debris)--Waste Management not providing containers/trucks.
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 02/05/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

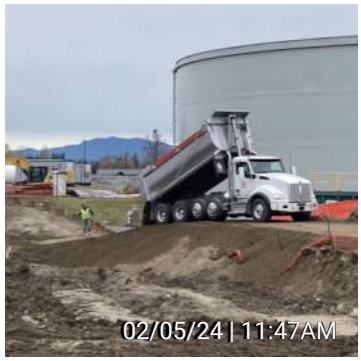
6:00 AM	12:00 PM	4:00 PM
39°	45°	45°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 87%	Wind: 3 MPH | Precipitation: .0" | Humidity: 74%	Wind: 9 MPH | Precipitation: .0" | Humidity: 87%

Work Logs

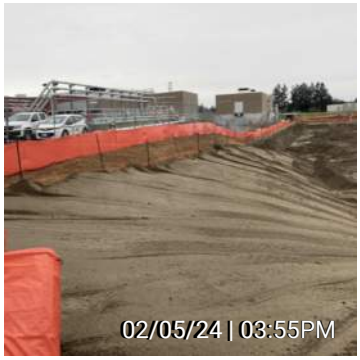
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM)	1	0	**0**
City of Anacortes	Mario Gonzolez (Brian McDaniel (Project Manager)--on vacation)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0705 Arrive onsite and attend H&S meeting, topics "Work to Zero" and mental health.
   Planned work activities include load-out of debris (2 trucks running today) and gravel borrow import and placement in sedimentation basin.
2. 01130 Site walk and start up air monitoring stations. 3K loading debris for haul-out. Gravel borrow delivery.



3. 1530 check in with 3K, receive surface water sample for plant testing. Testing results:0.94 NTU, 6.77 pH.
   Site walk on return, check on air monitoring station 1 and 2, nominal.
   Drizzling.



4. 1643 shut down air monitoring stations--drizzle continuing. Station 3 fallen into "SURVEY" runmode.

5. 1730 check-in with crew assembled at end of day. TK is out for a doctors appointment.

Site Safety Observations

No entry

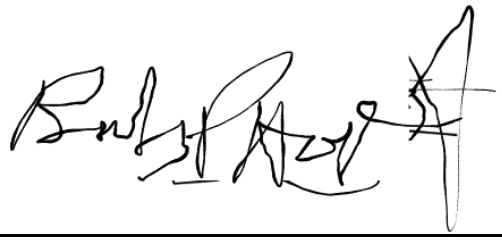
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow delivered.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Morning H&S meeting.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Pre-test of treated surface water by plant.
10. Lab Results Received	☐	☐	☑	

11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 containers of PCB-contaminated debris exported.



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 02/06/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
41°	45°	45°
Rain, Overcast	**Partially cloudy**	**Overcast**
Wind: 1 MPH | Precipitation: .01" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 93%	Wind: 2 MPH | Precipitation: .0" | Humidity: 89%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM)	1	0	**0**
City of Anacortes	Mario Gonzolez (Brian McDaniel (Project Manager)--on vacation)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 3K morning meeting. Safety topics: gasoline handling and storage. Plan to progress import and placement of gravel borrow in sedimentation basin, and haul of PCB-contaminated debris from admin/filtration basin. Haul-out with two trucks, two trips today, for total of 4 containers.

   Air monitoring not started as drizzling.
2. 1400 Start up air monitoring stations. All stations running in "survey" mode--due to a power interruption perhaps? Station 3 had no data saved from yesterday.

   3K ongoing placement and compaction of gravel borrow.
3. 1615 Meet with TK to obtain truck ticket totals.
4. 17:15 Shut down air monitoring stations, all nominal.

Site Safety Observations

No entry

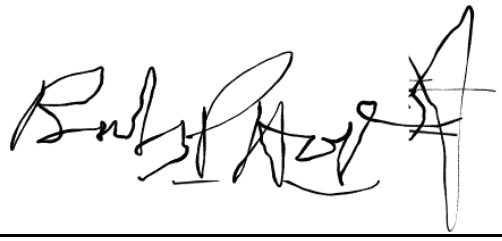
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Morning H&S meeting.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 PCB-contaminated debris containers exported.



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 02/07/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
37°	46°	45°
Overcast	**Overcast**	**Overcast**
Wind: 0 MPH | Precipitation: .0" | Humidity: 99%	Wind: 5 MPH | Precipitation: .0" | Humidity: 94%	Wind: 10 MPH | Precipitation: .0" | Humidity: 89%

Work Logs

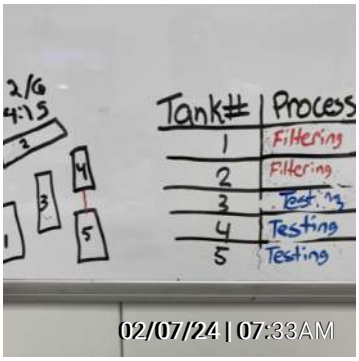
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 mechanic 2 operators	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM)	1	0	**0**
City of Anacortes	Mario Gonzolez (Brian McDaniel (Project Manager)--on vacation)	0	0	**0**
Total		1	0	**0**

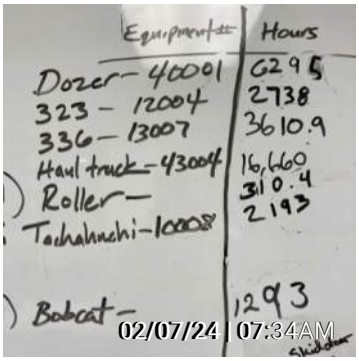
General Notes

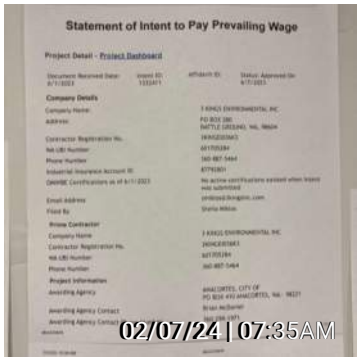
1. 0700 3K morning meeting. Safety topics: incident reporting and tool checks.
   Work plan for day: continue gravel borrow import and east berm construction at sedimentation basin; export of PCB debris from admin/filtration basin (2 trucks, 2 trips each).
2. 0900 Start air monitoring stations, all nominal.
3. 1545 Site walk and check air monitoring stations. Station 3 in SURVEY runmode, corrected to AC-3. Other stations nominal.

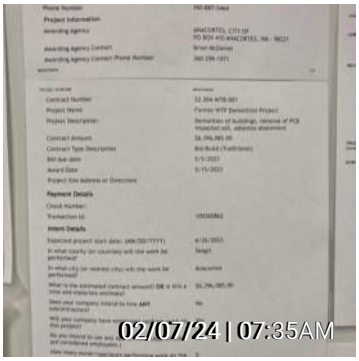
4. 1711 Site walk and shut-down air monitoring stations. All stations nominal.

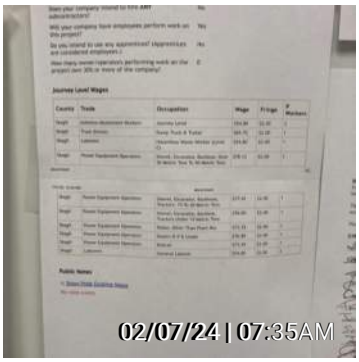
5. 3K white board notes on equipment and stormwater management. Prevailing wage documents on wall.











Site Safety Observations

No entry

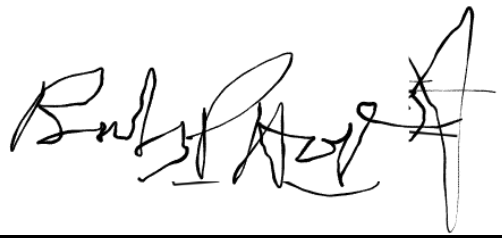
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow to sedimentation basin.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3K morning H&S meeting.

8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Water quality lab report forwarded by 3K.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Export of PCB contaminated debris from admin/filtration basin demo.



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 02/08/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
41°	43°	45°
Overcast	**Rain, Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 96%	Wind: 4 MPH | Precipitation: .01" | Humidity: 94%	Wind: 1 MPH | Precipitation: .0" | Humidity: 87%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 1 mechanic 1 operator (reduced crew)	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM)	1	0	**0**
Bayview Consulting	Fred Bukenmeyer, Survey	0	0	**0**
City of Anacortes	Mario Gonzolez (Brian McDaniel (Project Manager)--on vacation)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 3K morning meeting. Safety topics: hydration
   Work plan for day is continue import and embankment in sedimentation basin.
   No PCB-contaminated debris haul today (or tomorrow) due to lack of containers from hauler.
2. 07300 Start air monitoring stations, all nominal.
3. 1000 Weekly construction progress meeting in WTP offices.
4. 1300 Meet in AQ trailer with FB regarding survey checks/staking of embankment in sedimentation basin. FB preparing exhibit of as-constructed embankment for AQ review.
5. 1430 Site walk and check air monitoring stations. All nominal. 3K shaping NE berm in sedimentation basin.
6. 1640 Site walk and shut-down air monitoring stations. All nominal. 3K shaping berm with mini-ex. Laborer informed BDH of dead swan in lagoon. Confirmed dead juvenile swan in NW corner of lagoon. Notified MG of dead swan.

Site Safety Observations

No entry

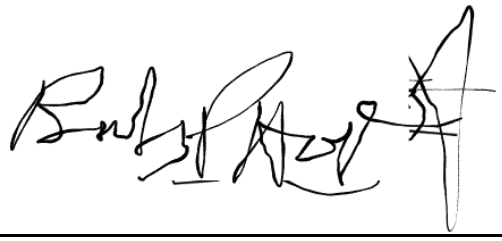
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow for sedimentation basin.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3K morning H&S meeting.
8. Problems/Deficiencies	☐	☐	☑	No haul-out of PCB-contaminated debris.
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Dead juvenile swan in lagoon.
13. Waste Disposal	☐	☑	☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 02/09/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
35°	42°	45°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 2 MPH | Precipitation: .0" | Humidity: 90%	Wind: 2 MPH | Precipitation: .0" | Humidity: 74%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 1 mechanic 1 operator (reduced crew)	0	0	**0**
3 Kings Equipment	Excavators: JD 470; CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Barnaby Hoit (Inspector/Sub CM)	1	0	**0**
Bayview Consulting	none	0	0	**0**
City of Anacortes	Mario Gonzolez (Brian McDaniel (Project Manager)--on vacation)	0	0	**0**
Total		1	0	**0**

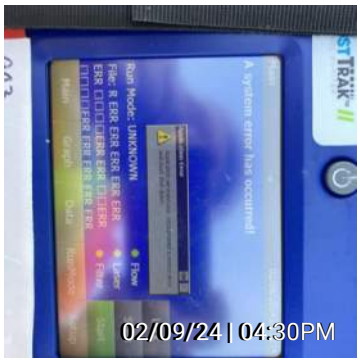
General Notes

1. 0700 3K morning meeting. Safety topics: biohazards and confined space entry.
   Work plan is continued shaping and compaction of gravel borrow on sedimentation basin NE berm.
2. 1030 Fog burned-off, site walk and start air monitoring stations. Station 2 & 3 running in survey mode when found. Station 1 on, but not running.

   3K shaping and compacting berm in NE of sedimentation basin. Stormwater discharging.

3. 1430 site walk and check air monitoring stations. Station 3 in Survey, reset to AC3 runmode. 3K shaping and compacting berm in NE of sedimentation basin. Stormwater discharging.

4. Frequent power interruptions at plant today.
5. 1600 Site walk and shut-down air monitoring stations. 3K cleaning-up, grading activity complete for day. Station 3 was in error mode, other stations nominal.



Site Safety Observations

No entry

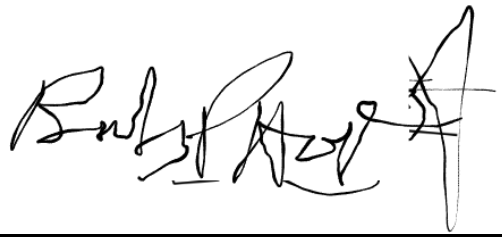
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3K morning H&S meeting.
8. Problems/Deficiencies	☑	☐	☐	Note, *no* debris haul-out (PCB contaminated debris)--Waste Management not providing containers/trucks.
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☐	☑	Email exchanges regarding fill.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 02/12/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	48°	48°
Rain, Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .01" | Humidity: 98%	Wind: 9 MPH | Precipitation: .0" | Humidity: 96%	Wind: 8 MPH | Precipitation: .0" | Humidity: 92%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings onsite. Morning safety meeting.

2. 0730 - Start up SP stations.
3. 0735 - 3 Kings begins loading waste load out trucks.
4. 1000 - Weekly site team meeting
5. 1145 - Anchor inspects the box storage area boxes will be regularly. Inspected to ensure that while they're staged at the south end of the lot, there's no issues with anything leaking.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SW Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	

9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Added second pump to pump clearwell water into the baker tanks. Results of 7th test sent by 3 kings over the weekend and reviewed and acceptable for infiltration.
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 02/13/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
40°	46°	48°
Overcast	**Partially cloudy**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 88%	Wind: 11 MPH | Precipitation: .0" | Humidity: 79%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel	0	0	**0**
Total		1	0	**0**

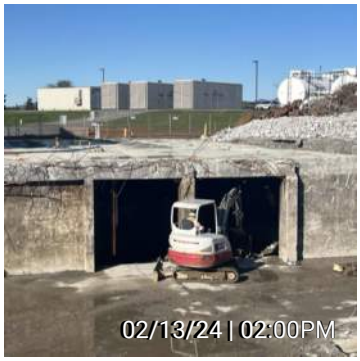
General Notes

1. 0700 - Anchor and 3 Kings onsite. Morning safety meeting. Plan for the day is to continue loadout.

2. 0720 - Start site perimeter stations.
3. 0800 - Internal update.
4. 0930 - Trucks on site for loadout.

5. 0940 - Anchor marks out the clean and dirty areas for remaining demo.

6. 1000 - Water is pumped low in the clear well, and the bobcat is brought down to begin removing the dirty material.
7. 1400 - 3 Kings , working on debris removal under the pump room slab.



8. 1405 - Anchor inspecting the box storage area at the south end of the site. Boxes appear to be in good shape and no leaking is observed. Tarps are secured properly.

9. 1630 - Anchor collects two samples. One of wall joints in the admin building and one of floor joints in the admin building. Sending for overnight delivery and PCB analysis.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 W Afternoon wind: 0-5 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Admin building floor joint sample. Admin building wall joint sample.
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	6 loads PCB debris (loaded, 2 taken)

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 02/14/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
38°	44°	46°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 4 MPH | Precipitation: .0" | Humidity: 54%	Wind: 2 MPH | Precipitation: .0" | Humidity: 47%	Wind: 3 MPH | Precipitation: .0" | Humidity: 43%

Work Logs

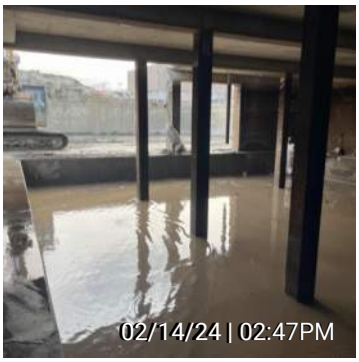
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Planned for the day is to continue loadout and to continue cleaning under the pump room slab in preparation for demo of the pump room slab.
2. 0720 - Start SP stations.
3. 0900 - Trucks on site for loadout.
4. 0930 - 3 Kings , starting on the demo of the dirty material in order to access the clean center concrete.

5. 1100 - Biweekly update call.
6. 1430 - Anchor inspects the box storage end at the south side of the site. Boxes are in good condition, no leaking is observed, tarps are in good condition.

7. 1445 - 3Kings cleaning under the pump room before starting the demo of the clean material.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	6 boxes PCB debris filled, 4 taken.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 02/15/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
38°	41°	42°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 9 MPH | Precipitation: .0" | Humidity: 86%	Wind: 8 MPH | Precipitation: .0" | Humidity: 89%	Wind: 2 MPH | Precipitation: .0" | Humidity: 77%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue pump room, slab demo and waste load out.
2. 0730 - Waiting for the rain to stop to start SP stations.
3. 0830 - Metro metals on site.
4. 0845 - Starting site perimeter stations now that rain has subsided.
5. 0945 - Anchor inspects under the pump room. Floors look very clean and ready for the clean material to be demoed.

6. 1000 - Weekly progress meeting.
7. 1130 - Clean concrete demolition on the pump room slab.

8. 1400 - Anchor inspects the box storage at the south end of the site. Tarps appear to be in good order boxes appear to be in good order and not leaking.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Foam and joint material samples both exceed 1ppm. Anchor will develop a plan to delineate.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	6 boxes PCB debris filled 4 taken.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 02/16/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
34°	48°	47°
Clear	**Clear**	**Clear**
Wind: 8 MPH | Precipitation: .0" | Humidity: 69%	Wind: 3 MPH | Precipitation: .0" | Humidity: 36%	Wind: 2 MPH | Precipitation: .0" | Humidity: 42%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings onsite. Morning safety meeting. Plan for the day is to continue loadout and demo

of the pump room slab.

2. 0730 - Start SP stations.
3. 0745 - Anchor informs the city of the building material sampling results.
4. 0900 - Trucks onsite for loadout.
5. 1400 - Anchor inspecting the box storage area at the south end of the site. Boxes and tarps appear to be in good non-leaking order. 16 boxes currently staged.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	

9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	6 loaded, 4 taken

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 02/19/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
39°	48°	46°
Clear	**Clear**	**Rain, Partially cloudy**
Wind: 5 MPH | Precipitation: .0" | Humidity: 94%	Wind: 2 MPH | Precipitation: .0" | Humidity: 72%	Wind: 1 MPH | Precipitation: .0" | Humidity: 96%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0600 - 3 Kings on site to begin there HAZWOPER training.

2. 0700 - Anchor onsite. Checks in with 3 Kings.
3. 0730 - Start SP stations.
4. 0844 - Trucks onsite.
5. 0940 - Fred onsite to survey.
6. 1000 - Site team call.
7. 1325 - Anchor inspects the box storage area at the south end of the site. Boxes appear to be in good order. Tarps are secure and in good order. No leaking is observed.
8. 1440 - 3 Kings resumes work after training.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variablee Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	3 Kings doing their HAZWOPER eight hour refresher course today on site.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris taken

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 02/20/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
41°	50°	52°
Overcast	**Rain, Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 99%	Wind: 3 MPH | Precipitation: .0" | Humidity: 95%	Wind: 1 MPH | Precipitation: .0" | Humidity: 90%

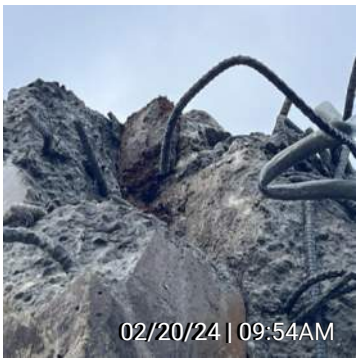
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings onsite. Morning safety meeting. Plan for the day is to continue demo of pump room slab and continue loadout.
2. 0730 - Start SP stations.
3. 0945 - 3Kings continuing with the contaminated demo of the pump room area.

4. 0950 - brown cork like material also on the west wall similar to the material scene in the east wall joint. Not a rubber or foam but more of a cork.



5. 1445 - Anchor inspects the box storage at the south end of the site. Boxes appear to be in good order and tarps are in good order and secure.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description

1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 SE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 02/21/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	52°	50°
Rain, Overcast	**Overcast**	**Rain, Overcast**
Wind: 3 MPH | Precipitation: .02" | Humidity: 97%	Wind: 3 MPH | Precipitation: .0" | Humidity: 90%	Wind: 10 MPH | Precipitation: .01" | Humidity: 94%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue demolition and cleaning. Also load out will continue.
2. 0730 - Start site perimeter stations.
3. 0900 - 3 Kings continues with the demo of the contaminated material in the pump room area.
4. 1000 - Waste loadout trucks onsite.
5. 1400 - 3Kings works on demolition of contaminated exterior wall.
6. 1410 - Anchor inspects the box storage area at the south end of the site. Covers and boxes appeared to be in good order and no leaking is observed.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	

8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 3 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 02/22/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	55°	55°
Rain, Overcast	**Partially cloudy**	**Clear**
Wind: 9 MPH | Precipitation: .01" | Humidity: 95%	Wind: 10 MPH | Precipitation: .0" | Humidity: 73%	Wind: 1 MPH | Precipitation: .0" | Humidity: 66%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operator 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue debris load out and demolition within the basin.
2. 0800 - Start SP stations.
3. 0830 - Anchor Takes a sample of the filtered contact water over to the treatment plant to verify pH and turbidity. PH is 7.6 and turbidity is 1.25 NTU.
4. 1000 - Weekly progress meeting.
5. 1315 - Trucks onsite for waste loadout.
6. 1345 - EMB on site to inspect the building materials samples. Her assessment is that there's no ACM concern, and she will write a memo to that effect.
7. 1400 - Anchor inspects the box storage area at the south end of the site. Boxes appear to be good. Order tarps are secured properly and the hardtop container is secure.

Site Safety Observations

No entry

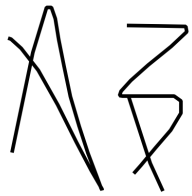
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	EMB on-site to look at the rubber and foam building materials.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	3 boxes PCB debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 02/23/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
39°	48°	50°
Partially cloudy	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 100%	Wind: 1 MPH | Precipitation: .0" | Humidity: 94%	Wind: 3 MPH | Precipitation: .0" | Humidity: 85%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	4 laborers 1 operator 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0630 - Anchor and 3Kings on site. Waste load out truck is here.

2. 0700 - Morning safety meeting. Plan for the days to continue demolition and waste load out.
3. 1000 - Demo and loadout

4. 1330 - Anchor inspects the box storage area at the south end of the site. Boxes appear to be in good order. All the tarps and lids are secure and no compromised boxes are observed.

Site Safety Observations

No entry

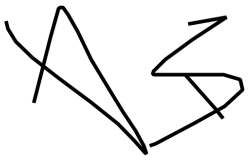
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 W Afternoon wind: 0-5 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	7 boxes PCB loaded.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 02/26/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
37°	44°	39°
Partially cloudy	**Partially cloudy**	**Overcast**
Wind: 5 MPH | Precipitation: .0" | Humidity: 89%	Wind: 3 MPH | Precipitation: .0" | Humidity: 61%	Wind: 13 MPH | Precipitation: .0" | Humidity: 70%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue loadout and demolition in the basin.
2. 0715 - Truck on-site for loadout.
3. 0730 - Start SP station.
4. 0810 - 3 Kings going over to the said basin to rework the material.
5. 1100 - Trucks back onsite for loadout.
6. 1410 - Anchor inspects the box storage area at the south end of the site. Boxes and lids appear to be in good order, no leaking is observed.

7. 1650 - 3 Kings process on the side basin material placement.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 W Afternoon wind: 0-5 W

4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☐	☑ 3 Kings take sample from latest tank for analysis.
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 5 loads PCB debris loaded.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 02/27/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
34°	41°	39°
Overcast	**Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 94%	Wind: 8 MPH | Precipitation: .0" | Humidity: 80%	Wind: 13 MPH | Precipitation: .0" | Humidity: 86%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue demo in the admin basin, continue grading in the sed basin, continue loadout.
2. 0800 - Start SP stations.
3. 0800 - 3 Kings big rebar truck here to take metal.
4. 1030 - Waste loadout truck onsite.
5. 1330 - 3 Kings rebar truck back onsite.
6. 1400 - Anchor begins collecting delineation samples in the Admin basin. Sealant leaves residue and is sticking to the sidewall of the joints. Chip sample abandoned.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-10 SW Afternoon wind: 0-10 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Anchor begins collecting delineation samples for the joints in the admin basin.
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads rebar by 3 Kings haul truck. 5 loads PCB material.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 02/28/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	50°	51°
Overcast	**Rain, Overcast**	**Rain, Overcast**
Wind: 22 MPH | Precipitation: .0" | Humidity: 94%	Wind: 21 MPH | Precipitation: .0" | Humidity: 92%	Wind: 22 MPH | Precipitation: .0" | Humidity: 94%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day to continue loadout, continue work in the Sed basin, continue demo in the admin basin.
2. 0730 - 3 Kings , continuing the work in the sed basin.
3. 0800 - Anchor collects the other floor sample step outs. Upon inspecting the wall around the cork, there is no sealant used so the cork will be sent and concrete samples not collected until those results come back.
4. 0945 - 3 Kings takes a dump trailer load of garbage to the dump.
5. 1100 - Biweekly update call held virtually since some people are away.
6. 1130 - Anchor takes the samples to UPS for overnight delivery.
7. 1115 - Truck on-site for load out.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Steady rain throughout the day. Wind 10-30 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	7 boxes PCB debris loaded.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 02/29/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
34°	40°	43°
Snow, Rain, Overcast	**Overcast**	**Overcast**
Wind: 8 MPH | Precipitation: .2" | Humidity: 98%	Wind: 8 MPH | Precipitation: .0" | Humidity: 95%	Wind: 15 MPH | Precipitation: .0" | Humidity: 92%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue loadout and continue work in the admin building. 3 Kings will also move the cities transformer this morning.
2. 0830 - 3 Kings rigging transformer for movement to the hill.

3. 1000 - Weekly progress call.
4. 1015 - Clean Harbors on-site.
5. 1100 - Loadout trucks on-site
6. 1630 - Anchor inspects the box storage area, the south end of the site. Boxes weird to be in good order and lids are secure.

Site Safety Observations

No entry

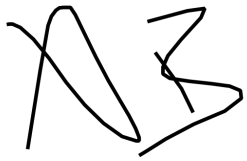
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Clean harbors.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	All day rain.
4. Air Monitoring Exceedances	☐	☑	☐	

5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	3 Kings moves the transformer for the City.
13. Waste Disposal	☐	☐	☑	Clean Harbors. 4 loads PCB debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 03/01/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
39°	44°	41°
Overcast	**Partially cloudy**	**Overcast**
Wind: 13 MPH | Precipitation: .0" | Humidity: 93%	Wind: 15 MPH | Precipitation: .0" | Humidity: 71%	Wind: 14 MPH | Precipitation: .0" | Humidity: 92%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue loadout, work in admin building, and housekeeping.
2. 0800 - CAT mechanic onsite.
3. 1000 - Waste loadout trucks onsite.
4. 1345 - Anchor inspects the box storage area at the south end of the site. Boxes and lids appear to be in good order.
5. 1430 - Joint sample results.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	CAT mechanic.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Site perimeter stations. Morning wind: 0-15 S Afternoon wind: 0-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	9th water test results received yesterday and water approved for infiltration. Joint sampler results received. Concrete samples are non-detect but the foam is 2000 ppm. The cork is 5.7 ppm.

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 03/04/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
32°	38°	42°
Snow, Rain, Overcast	**Rain, Overcast**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .03" | Humidity: 99%	Wind: 3 MPH | Precipitation: .03" | Humidity: 95%	Wind: 2 MPH | Precipitation: .0" | Humidity: 73%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to get the 323 into the hole with the hammer. Also continue loadout as trucks are available and finishing the load out in processing in the southeast corner.
2. 0730 - Will start site perimeter station monitoring when the snow subsides.
3. 0800 - 3 Kings continues work in the admin building footprint.
4. 0900 - Anchor starts site perimeter monitoring stations.
5. 1000 - Weekly site team meeting.
6. 1100 - CAT mechanic onsite.
7. 1330 - Anchor collect additional wall step out samples.
8. 1530 - Anchor take step out samples to UPS for shipment.
9. 1615 - 3 Kings to do a test location chipping out the joint. They want to determine whether cutting or hammering will be more effective.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations started after snow. Wind 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	1’ bucket brought in preparation for joint removal.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☐	☑	Winter weather.
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Additional samples at the wall location taken for concrete.

10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

Survey Photos

7.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 03/05/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

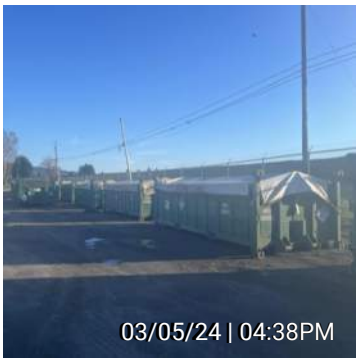
6:00 AM	12:00 PM	4:00 PM
29°	41°	42°
Partially cloudy	**Partially cloudy**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 65%	Wind: 3 MPH | Precipitation: .0" | Humidity: 60%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Morning safety meeting. Plan for the days to continue demolition debris load out. Also continue miscellaneous tasks in the admin building basin. Waiting for direction on the joint removal change order.
2. 0730 - Start site perimeter stations for the day.
3. 0845 - Waste load out trucks on site to begin loading boxes.
4. 1200 - CAT mechanic onsite.
5. 1600 - Anchor inspects the box storage area at the south end of the site. Boxes and covers appeared to be in good order. No leaking boxes observed.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	CAT mechanic.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 E Afternoon wind: 0-5 NE
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Light tower removed from site.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	

9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 03/06/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
32°	38°	41°
Overcast	**Overcast**	**Overcast**
Wind: 2 MPH | Precipitation: .0" | Humidity: 96%	Wind: 1 MPH | Precipitation: .0" | Humidity: 78%	Wind: 2 MPH | Precipitation: .0" | Humidity: 72%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue loadout, continue pipe removal and capping under the south clean slab.
2. 0730 - Start site perimeter stations.
3. 0745 - Loadout truck on-site.
4. 0815 - Anchor does drone flight to get orthomosaic map of the site.
5. 1400 - Anchor inspects the box storage area at the south end of the site. Boxes are not leaking and tarps appear to be in good order.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Light tower taken from site.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☐	☑	A loadout truck backed into the dike across the street from the southern

				gate. Brian requests that 3 Kings fill in the depression with lagoon material and rake it out when they get a chance. Tom agrees to fix the area.
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☑	☐
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑ 4 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 03/07/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
32°	44°	46°
Overcast	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 96%	Wind: 1 MPH | Precipitation: .0" | Humidity: 64%	Wind: 2 MPH | Precipitation: .0" | Humidity: 50%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 1 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue housekeeping in the admin basin. Finishing the slab removal on the southside and cementing the pipes where they exit the building. Also some housekeeping at the south end of the site by the side basin and repairing the dike area damaged by the truck.
2. 0730 - Anchor starts site perimeter stations for the day.
3. 1000 - Weekly progress meeting.
4. 1130 - 3 Kings , working on capping the large process waterline that exits under the clean slab that was removed.

5. 1130 - Anchor inspects the box storage area at the south end of the site. Boxes appear to be in good non-leaking order and tarps are in good order.

6. 1132 - Anchor inspects the area of the Dyke that was repaired by 3 Kings earlier today.

7. 1300 - Structural call with Derry

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	The city is hosting a surveying course on site, so there are additional people on site for that. Shouldn't be related to our work activities.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☐	☑	Jason reached out and had a few questions regarding the field order. Once those were resolved, he said he would discuss it with Tom today in preparation to start the work tomorrow. Verbal acceptance of the field order and change order as sent.
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Box is not being loaded. Truck still come to site to pick up already loaded boxes. Loading will continue once the joint material accumulates.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 03/08/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
41°	47°	47°
Overcast	**Partially cloudy**	**Overcast**
Wind: 3 MPH | Precipitation: .0" | Humidity: 79%	Wind: 11 MPH | Precipitation: .0" | Humidity: 74%	Wind: 12 MPH | Precipitation: .0" | Humidity: 89%

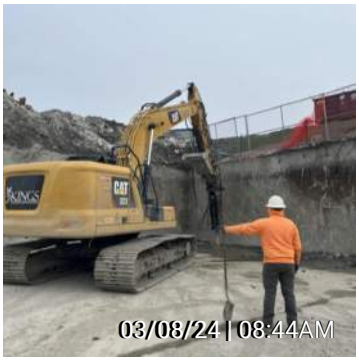
Work Logs

No entry

Name	Description	Quantity	Total Hours	Total Hours To Date
Total		0	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to begin joint removal in the Clearwell.
2. 0730 - Start site perimeter stations.
3. 0840 - 3 Kings starting joint removal.



4. 1145 - 3 Kings progress on joint removal.

5. 1615 - 3 Kings progress with joint removal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	The city has another contractor on site doing some crane work.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-10 S Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Broke down processor taken for repair/replacement at 3 Kings yard.
6. Requests for Information				

		☐	☑	☐	
7.	Health and Safety Information	☐	☑	☐	
8.	Problems/Deficiencies	☐	☑	☐	
9.	Lab Samples Collected	☐	☑	☐	
10.	Lab Results Received	☐	☑	☐	
11.	Important Communication	☐	☐	☑	3 Kings begins work on the joint removal. Tom spoke with Jason and they accept the field order and change order as written and will complete the work accordingly.
12.	Unusual Events/Activities	☐	☑	☐	
13.	Waste Disposal	☐	☐	☑	Box is not being loaded. Truck still come to site to pick up already loaded boxes. Loading will continue once the joint material accumulates.

Survey Photos

1.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 03/11/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
44°	48°	48°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 8 MPH | Precipitation: .0" | Humidity: 95%	Wind: 11 MPH | Precipitation: .0" | Humidity: 77%	Wind: 15 MPH | Precipitation: .0" | Humidity: 77%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 3 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Health and safety meeting. Plan for the day is to continue joint removal.
2. 0800 - Anchor sets up air stations for the day.

3. 0850 - Anchor collects a sample of asphalt joint material.
4. 1135 - Joint removal progress is good. Depths and widths are more consistent.

Site Safety Observations

No entry

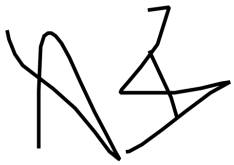
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-10 S Afternoon wind: 0-10 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Sample of asphalt joint material.
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Box is not being loaded. Truck still come to site to pick up already loaded boxes. Loading will continue once the joint material accumulates.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 03/12/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	44°	48°
Overcast	**Rain, Overcast**	**Rain, Overcast**
Wind: 14 MPH | Precipitation: .0" | Humidity: 89%	Wind: 3 MPH | Precipitation: .01" | Humidity: 94%	Wind: 5 MPH | Precipitation: .0" | Humidity: 74%

Work Logs

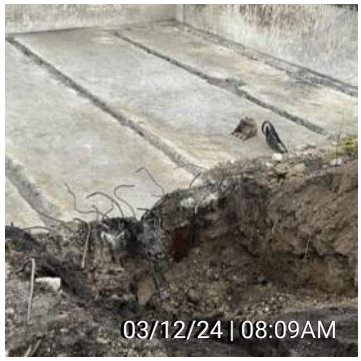
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Jason Hawks (Project Manager) 3 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

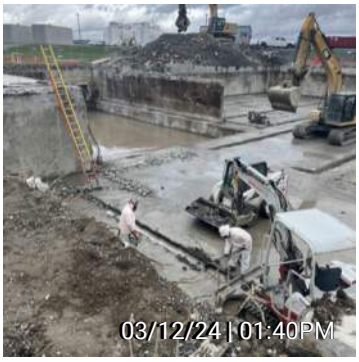
1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue joint removal. Tom is not on site because of a dentist appointment. Jason will be here this morning to look at the joint

removal.

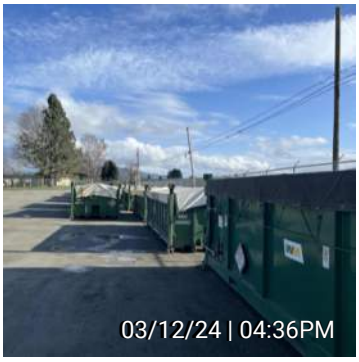
2. 0800 - 3 Kings exposes the back plating on the east wall joint for inspection. Back plate appears to go all the way down but it's only 8 inches wide.



3. 1015 - Jason on-site.
4. 1340 - 3 Kings continuing with joint removal in the Clearwell.



5. 1400 - 3 Kings loading the trailer with remaining scrap metal for disposal.
6. 1640 - Anchor inspects the box storage area at the south end of the site. Even after the rain and Highwind tarps appear to be in good order and boxes are not leaking.



7. 1645 - 3 Kings , cleaning the pump room area in preparation for joining removal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	All day rain. Wind 0-10 W
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	Box is not being loaded. Truck still come to site to pick up already loaded boxes. Loading will continue once the joint material accumulates. 2 loads scrap metal trailer.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 03/13/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
40°	49°	51°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 96%	Wind: 7 MPH | Precipitation: .0" | Humidity: 77%	Wind: 5 MPH | Precipitation: .0" | Humidity: 56%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue the joint removal in the Clearwell.
2. 0730 - Start SP stations.
3. 0830 - Waste load out trucks resume filling boxes.
4. 0845 - Metro metals on site to pick up the 2 full scrap metal boxes.
5. 1420 - Anchor inspects the box storage area at the south end of the site. Boxes are in good order and covers are in good order.
6. 1600 - Anchor takes a water sample over to the treatment plant for analysis. PH is 7.7 and turbidity is 4.8.

Site Safety Observations

No entry

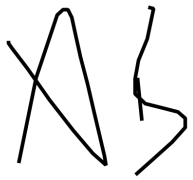
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 S Afternoon wind: 0-5 S
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☐	☑	Asphalt joint material sample 0.59 ppm.
11. Important Communication	☐	☑	☐	

12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads metro metals scrap metal. 4 loads PCB debris.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 03/14/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

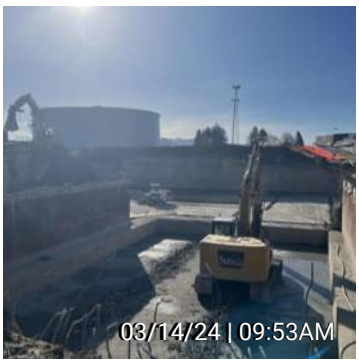
6:00 AM	12:00 PM	4:00 PM
35°	48°	52°
Partially cloudy	**Partially cloudy**	**Clear**
Wind: 1 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 81%	Wind: 10 MPH | Precipitation: .0" | Humidity: 71%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the days to continue joint removal and waste load out.
2. 0730 - Start SP stations.
3. 0745 - Waste load out trucks on site.
4. 0945 - 3 Kings working on joint removal in the pump, room area and load out.



5. 1000 - Weekly progress meeting.
6. 1330 - 3Kings takes a trailer load of scrap to the scrapyard.
7. 1530 - 3 Kings working on the wall joint removal.

8. 1545 - 3 Kings removing the west side wall joint cork material.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 SW Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	2 loads PCB debris.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 03/15/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
39°	50°	54°
Clear	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 9 MPH | Precipitation: .0" | Humidity: 87%	Wind: 11 MPH | Precipitation: .0" | Humidity: 82%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators 1 mechanic	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue joint removal and begin cleaning and punchlist items in the Clearwell.

2. 0730 - Start SP stations.
3. 0930 - Waste loadout trucks onsite.
4. 1100 - 3 Kings begins cleaning in the pump room area.
5. 1630 - Anchor inspects the box storage area at the south end of the site. Boxes and lids appear to be in good order.

Site Safety Observations

No entry

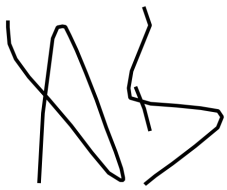
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal				Boxes loaded but need additional

☐ ☐ ☑ manifests.



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 03/18/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
36°	54°	57°
Overcast	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 100%	Wind: 9 MPH | Precipitation: .0" | Humidity: 85%	Wind: 13 MPH | Precipitation: .0" | Humidity: 68%

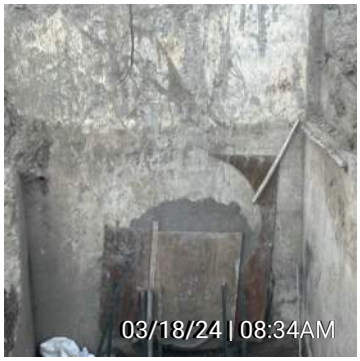
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue demolition of the expansion joints and begin punchlist cleaning and preparation for sampling and backfill.
2. 0730 - Start site perimeter stations.

3. 0800 - Anchor site walk. Observed and documented the cement cap at the south end of the site where the clean slab was removed. Also went in and took some photographs of the joint removal progress. The east wall is completed and no cork is visible.



4. 1000 - Weekly site team meeting.
5. 1015 - Waste load out truck on site.
6. 1130 - Progress with basin cleaning.

7. 1230 - Anchor collects composite sample from cleaned north end of the Clearwell basin.
8. 1440 - 3 Kings prepping to finish the wall joint removal on the west wall where some additional cork is still present.

9. 1445 - Anchor inspects the box storage area at the south end of the site. Boxes and tarps appeared to be in good order.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	New processor delivered.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	First composite sample from the Clearwell collected and sent to the lab.
10. Lab Results Received	☐	☑	☐	

11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 03/19/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
37°	53°	61°
Clear	Clear	Clear
Wind: 0 MPH | Precipitation: .0" | Humidity: 100%	Wind: 8 MPH | Precipitation: .0" | Humidity: 92%	Wind: 2 MPH | Precipitation: .0" | Humidity: 72%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue removals and housekeeping in the Clearwell in preparation for sampling and backfill.
2. 0730 - Start site perimeter stations for the day.

3. 0900 - Waste loadout trucks onsite.
4. 1300 - 3 Kings continued with the cleaning in the Clearwell.
5. 1430 - Anchor inspected the box storage area at the south end of the site. Boxes and lids appear to be in good order. No leaking is observed.
6. 1640 - Anchor shuts down the site perimeter air monitoring for the day.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: light and variable
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☐	☑	One of the carbon filters on the water management system is clogged. 3 Kings is developing a plan for backing out the carbon and replacing it.
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	

13. Waste Disposal	☐	☐	☑	Need additional manifest for the remaining boxes at the south end of the site to be signed by Brian tomorrow.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 03/20/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	50°	51°
Overcast	Overcast	Overcast
Wind: 8 MPH | Precipitation: .0" | Humidity: 97%	Wind: 9 MPH | Precipitation: .0" | Humidity: 83%	Wind: 2 MPH | Precipitation: .0" | Humidity: 79%

Work Logs

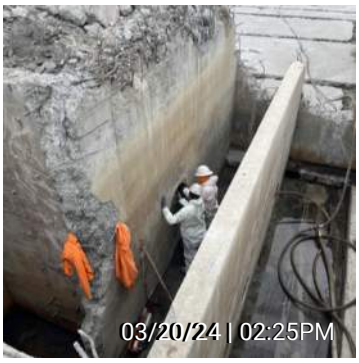
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue final cleaning and

prep in the Clearwell. All material is loaded out and staged in boxes at the south end.

2. 0730 - Start SP stations.
3. 0800 - 14 boxes with manifests.
   1 box nothing
   16 boxes need manifest
4. 0830 - Waste loadout trucks onsite.
5. 1000 - 3 Kings , working on capping the pipe penetrations at the north end of the basin.



6. 1030 - Anchor collects the confirmation sample from the south side of the basin after 3 Kings completes the washdown.
7. 1300 - 3 Kings continues with the housekeeping around the basin and also capping the pipe penetrations with concrete.

Site Safety Observations

No entry

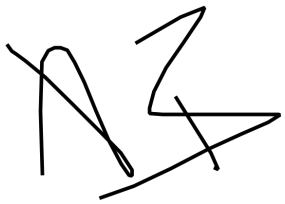
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: light and variable Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☐	☑	Second and final confirmation sample collected in the Clearwell from the south side of the basin.
10. Lab Results Received	☐	☐	☑	Results for water test 10 met project specifications. Results for the first confirmation sample in the Clearwell
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 03/21/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	50°	56°
Overcast	**Overcast**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 94%	Wind: 3 MPH | Precipitation: .0" | Humidity: 76%

Work Logs

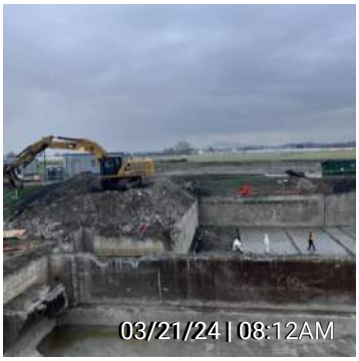
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue housekeeping

around the basin and also begin pulling in the clean contractor generated fill and processing that.

2. 0730 - Start site perimeter stations for the day.
3. 0812 - 3Kings starting to place the clean material in the basin and pick rebar out.



4. 0930 - Clean Harbors site. They will take the non-regulated. Non-has waste such as the drums of PPE groundwater soil cuttings, and the electronic waste, but are instructed to leave the regulated hazardous material until we get the generator IDs sorted out.
5. 1000 - Weekly progress meeting.
6. 1345 - 3 Kings working on demoing the clean wall and getting the clean material in and processed.

Site Safety Observations

No entry

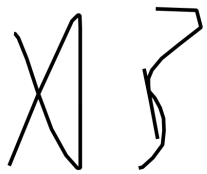
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: Afternoon wind:

4.	Air Monitoring Exceedances	☐	☑	☐
5.	Materials Delivered / Removed	☐	☑	☐
6.	Requests for Information	☐	☑	☐
7.	Health and Safety Information	☐	☑	☐
8.	Problems/Deficiencies	☐	☑	☐
9.	Lab Samples Collected	☐	☑	☐
10.	Lab Results Received	☐	☑	☐
11.	Important Communication	☐	☐	☑ 3 Kings starts pulling the clean material into a ramp and processing it.
12.	Unusual Events/Activities	☐	☑	☐
13.	Waste Disposal	☐	☐	☑



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 03/22/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
48°	52°	52°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 0 MPH | Precipitation: .0" | Humidity: 94%	Wind: 0 MPH | Precipitation: .0" | Humidity: 87%	Wind: 2 MPH | Precipitation: .0" | Humidity: 92%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 4 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue processing

contractor generated material and also do housekeeping around the site.

2. 0800 - Start site perimeter stations for the day as they are finishing the loading of the last of the contaminated debris.
3. 1445 - 3Kings working on cleaning the area where the loadout occurred.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☐	☑	Site perimeter stations. Morning wind: 0-5 W Afternoon wind: 0-5 SW
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Received	☐	☐	☑	Confirmation sample from the south side of the basin. Results were ND.
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Completion of the load out of contaminated debris.
13. Waste Disposal	☐	☐	☑	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 03/25/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	48°	48°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .01" | Humidity: 95%	Wind: 2 MPH | Precipitation: .01" | Humidity: 95%	Wind: 9 MPH | Precipitation: .0" | Humidity: 93%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323 Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Doug Musser (Demolition Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to fracture and place contractor generated material.
2. 0830 - 3 Kings hammering the Clearwell floor in preparation for backfill.

3. 0930 - 3 Kings taking the protections off the active plant now that loadout is complete.

4. 1000 - Weekly site team meeting.
5. 1115 - Additional excavator onsite.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	Contaminated material is loaded out.
4. Air Monitoring Exceedances	☐	☑	☐	
				CAT 329 delivered to the site to be used

5.	Materials Delivered / Removed	☐	☐ ☑	in place of the 336 until it is repaired.
6.	Requests for Information	☐	☑ ☐	
7.	Health and Safety Information	☐	☑ ☐	
8.	Problems/Deficiencies	☐	☑ ☐	
9.	Lab Samples Collected	☐	☑ ☐	
10.	Lab Results Received	☐	☑ ☐	
11.	Important Communication	☐	☑ ☐	
12.	Unusual Events/Activities	☐	☐ ☑	Yesterday Fred was on-site to survey the basin before backfill.
13.	Waste Disposal	☐	☐ ☑	

Survey Photos

5.

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 03/26/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
46°	51°	53°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 4 MPH | Precipitation: .0" | Humidity: 97%	Wind: 11 MPH | Precipitation: .0" | Humidity: 84%	Wind: 2 MPH | Precipitation: .0" | Humidity: 77%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - 3Kings and Anchor on site. Plan for the day is to continue fracturing the slab and also processing and getting ready to place contractor generator fill.
2. 0800 - 3Kings working on processing contractor generated fill material all day and placing material

Site Safety Observations

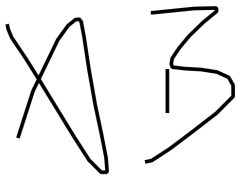
No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 03/27/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
43°	47°	52°
Rain, Overcast	**Overcast**	**Overcast**
Wind: 9 MPH | Precipitation: .01" | Humidity: 95%	Wind: 13 MPH | Precipitation: .0" | Humidity: 92%	Wind: 10 MPH | Precipitation: .0" | Humidity: 88%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 2 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue processing and placing contractor generated fill material. Import material should also start coming to the site today.

2. 0800 - Miles on site to start dumping gravel borrow at the site. 3Kings super solo truck also on site to deliver an additional bucket and also assist with the transport of the import material.
3. 1410 - 3Kings progress on backfill and cleaning the filter media off the southern bank.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 03/28/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
43°	52°	49°
Rain, Partially cloudy	**Overcast**	**Rain, Partially cloudy**
Wind: 13 MPH | Precipitation: .0" | Humidity: 93%	Wind: 19 MPH | Precipitation: .0" | Humidity: 67%	Wind: 16 MPH | Precipitation: .0" | Humidity: 86%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue backfill of the Clearwell.

2. 0730 - Import trucks continue delivering gravel borrow to the site.
3. 0830 - Anchor flies the drone for documentation and a picture for the weekly progress meeting.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Mechanic on-site.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Import brought in.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 03/29/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

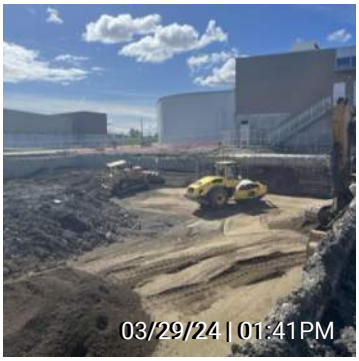
6:00 AM	12:00 PM	4:00 PM
46°	54°	56°
Overcast	**Partially cloudy**	**Clear**
Wind: 8 MPH | Precipitation: .0" | Humidity: 88%	Wind: 3 MPH | Precipitation: .0" | Humidity: 63%	Wind: 10 MPH | Precipitation: .0" | Humidity: 58%

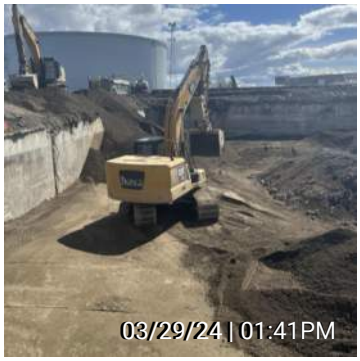
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue backfill.
2. 0730 - Trucks with backfill start delivering.
3. 1340 - 3 Kings continues with the backfill in the basin.





4. 1430 - MTC on-site doing compaction tests of lifts placed since Wednesday. 95 was achieved in 3 lower lifts and 90 was achieved on the upmost lift.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	MTC doing compaction testing.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Gravel borrow.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 04/01/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
42°	57°	59°
Partially cloudy	**Clear**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 96%	Wind: 11 MPH | Precipitation: .0" | Humidity: 72%	Wind: 6 MPH | Precipitation: .0" | Humidity: 62%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Haul truck; Supply Trailer; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue backfill within the Clearwell and do compaction testing.
2. 0730 - Gravel borrow trucks onsite.
3. 0945 - Anchor inspects the box storage area at the south end of the site. Boxes are in good order and lids are in good order. 12 boxes remain on site nine need to be manifested.

4. 1300 - 3 Kings continues, placing and compacting import fill.

Site Safety Observations

No entry

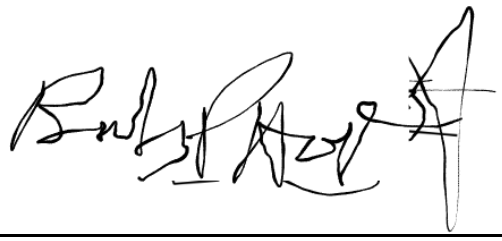
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	MTC doing compaction testing.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	

10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 04/02/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
47°	58°	60°
Partially cloudy	**Clear**	**Partially cloudy**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 10 MPH | Precipitation: .0" | Humidity: 79%	Wind: 8 MPH | Precipitation: .0" | Humidity: 70%

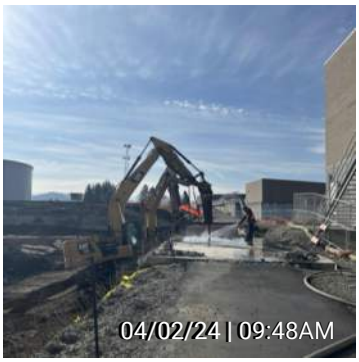
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

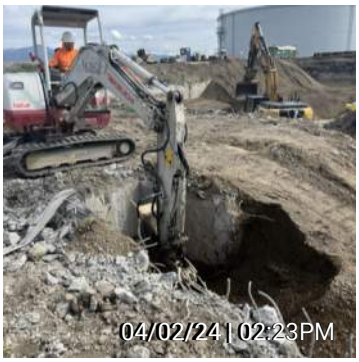
General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to continue backfill of the Clearwell.

2. 0720 - Trucks on-site delivering import.
3. 0930 - 3 Kings starts hammering on the clean slab at the north end.



4. 1425 - 3 Kings plate compacting into the small cut out in the basin where the wastewater well was.



Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	MTC on-site doing compaction testing.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☐	☑

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 04/03/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
43°	43°	49°
Rain, Overcast	**Rain, Overcast**	**Overcast**
Wind: 4 MPH | Precipitation: .0" | Humidity: 92%	Wind: 9 MPH | Precipitation: .0" | Humidity: 90%	Wind: 0 MPH | Precipitation: .0" | Humidity: 60%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue backfill and processing of walls and north slab.

2. 0800 - 3 Kings finishing the processing of the perimeter wall a little bit lower than three areas marked out.
3. 1045 - 3Kings loading the remaining rebar into their super solo to take to the scrapyard.
4. 1330 - 3 Kings loading another load of scrap metal.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	City contractors on site with the crane putting the pump back in the HSP building.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	

Survey Photos

1.

I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 04/04/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

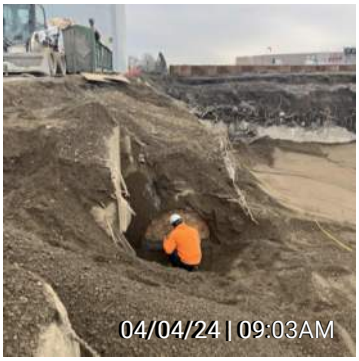
6:00 AM	12:00 PM	4:00 PM
41°	48°	47°
Partially cloudy	**Partially cloudy**	**Rain, Partially cloudy**
Wind: 12 MPH | Precipitation: .0" | Humidity: 92%	Wind: 16 MPH | Precipitation: .0" | Humidity: 78%	Wind: 10 MPH | Precipitation: .0" | Humidity: 80%

Work Logs

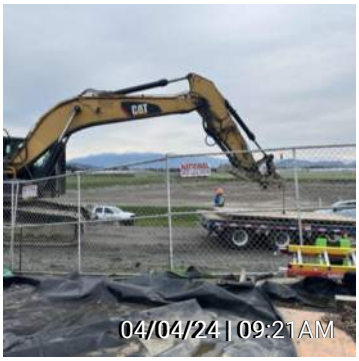
Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to continue with the backfill and placement of material in the Clearwell and also process the contractor generated material and begin doing restoration around the site.
2. 0730 - 3 Kings truck delivers a load of import material.
3. 0800 - 3 Kings truck takes a load of scrap material for recycling.
4. 0900 - 3 Kings working and plugging the last hole location.



5. 0920 - 3 Kings demobing steel plates.



6. 1000 - Weekly progress meeting.
7. 1650 - Vault opened and 16 inch pipes observed.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	MTC doing compaction testing. DOH doing inspections with the City.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☐	☑	

I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 04/05/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
40°	48°	51°
Overcast	**Overcast**	**Overcast**
Wind: 1 MPH | Precipitation: .0" | Humidity: 95%	Wind: 9 MPH | Precipitation: .0" | Humidity: 79%	Wind: 2 MPH | Precipitation: .0" | Humidity: 52%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)(offsite) Barnaby Hoit (Inspector)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 BDH attend morning meeting. Discussion of work to complete removal of rebar around Admin/Filter Basin bldg edge (south wall), demobbing of equipment and material from the site. Anticipate complete demob from the site by Friday next week. Seeding scheduled for Thursday.
   Safety topics: Animals and Cold Water Emersion
2. 1350 BDH Site walk.
   Note SDMH ring and cover shifted NE of S. Lagoon. Notify 3K, who immediately respond to repair. 3K clean manhole top, shift ring and cover, and secure with a grout ring.

Removing plates from site.

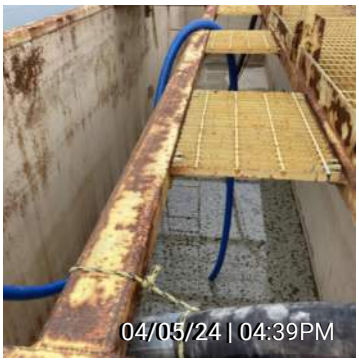
Admin/Filtration backfill, south edge, looking west.

Admin/Filtration backfill, looking north.

Sedimentation Basin backfill (complete)

Dressing east edge of Admin/Filtration backfill.

3. 1630 BDH site walk. Crews dressing Admin/Filtration backfill, cleaning site, removing TESC measures, fueling equipment.



Site Safety Observations

No entry

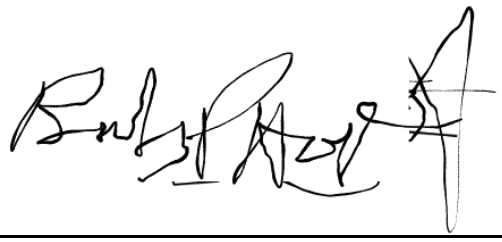
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	

4.	Air Monitoring Exceedances	☑	☐ ☐	
5.	Materials Delivered / Removed	☐	☐ ☑	Demobbing construction materials and equipment.
6.	Requests for Information	☐	☑ ☐	
7.	Health and Safety Information	☐	☐ ☑	Morning meeting.
8.	Problems/Deficiencies	☐	☐ ☑	Safety issue identified and corrected--displaced manhole ring and cover, see notes.
9.	Lab Samples Collected	☐	☑ ☐	
10.	Lab Results Received	☐	☑ ☐	
11.	Important Communication	☐	☑ ☐	
12.	Unusual Events/Activities	☐	☑ ☐	
13.	Waste Disposal	☐	☑ ☐	



I, Anchor QEA, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Mon 04/08/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	46°	50°
Overcast	**Rain, Overcast**	**Overcast**
Wind: 9 MPH | Precipitation: .0" | Humidity: 93%	Wind: 16 MPH | Precipitation: .0" | Humidity: 92%	Wind: 16 MPH | Precipitation: .0" | Humidity: 86%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 329; CAT 323; Takeuchi TB240. Other: Roller; Dozer; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; 2 hydraulic demo hammers, assorted buckets, and 1 hydraulic processor attachment, 1 hydraulic clam attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

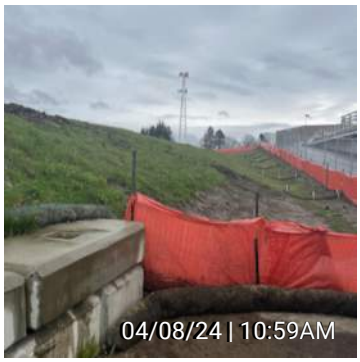
General Notes

1. 0700 - Anchor and 3 Kings on site. Morning safety meeting. Plan for the day is to load out remaining scrap

material, clean up the site, begin cleaning and demo of water tanks.

2. 0930 - Fred on-site to survey the toe of the import material.
3. 1000 - Weekly site team meeting
4. 1050 - 3Kings demoing the dozer and some attachments.

5. 1100 - 3Kings removed unnecessary silt fence and repaired the silt fence at the corner.



6. 1240 - United on-site to pick up more plates.
7. 1345 - King starts processing the contractor generated material.
8. 1430 - 3 Kings packages the corroded drum into three fresh drums for shipment.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances				

	☐	☑	☐
5. Materials Delivered / Removed	☐	☑	☐
6. Requests for Information	☐	☑	☐
7. Health and Safety Information	☐	☑	☐
8. Problems/Deficiencies	☐	☑	☐
9. Lab Samples Collected	☐	☑	☐
10. Lab Results Received	☐	☑	☐
11. Important Communication	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Tue 04/09/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

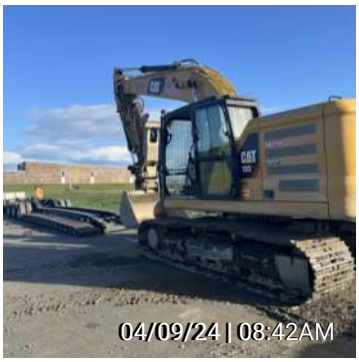
6:00 AM	12:00 PM	4:00 PM
46°	53°	56°
Overcast	**Rain, Partially cloudy**	**Partially cloudy**
Wind: 2 MPH | Precipitation: .0" | Humidity: 94%	Wind: 7 MPH | Precipitation: .0" | Humidity: 59%	Wind: 3 MPH | Precipitation: .0" | Humidity: 57%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; CAT 323; Takeuchi TB240. Other: Roller; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; assorted buckets, and 1 hydraulic processor attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3Kings on site. Morning safety meeting. Plan for the day is to prep the site for Hydro seating later this week and work on demobilization. If there is time, we could start cleaning the tanks.
2. 0830 - 3Kings demoing the 323.



3. 1100 - 3Kings disconnecting the water treatment system.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☑	☐	☐	
2. Work Stoppages	☑	☐	☐	
3. Was Air Monitoring Performed?	☑	☐	☐	
4. Air Monitoring Exceedances	☑	☐	☐	
5. Materials Delivered / Removed	☑	☐	☐	
6. Requests for Information	☑	☐	☐	

7. Health and Safety Information	☑	☐	☐
8. Problems/Deficiencies	☑	☐	☐
9. Lab Samples Collected	☑	☐	☐
10. Lab Results Received	☑	☐	☐
11. Important Communication	☑	☐	☐
12. Unusual Events/Activities	☑	☐	☐
13. Waste Disposal	☑	☐	☐

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Wed 04/10/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
39°	53°	56°
Clear	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 98%	Wind: 2 MPH | Precipitation: .0" | Humidity: 67%	Wind: 2 MPH | Precipitation: .0" | Humidity: 49%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; Takeuchi TB240. Other: Roller; Scissor lift; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; 1 small generator; Skid steer bucket/sweeper attachment; assorted buckets, and 1 hydraulic processor attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to clean tanks and continue prep for hydroseed.
2. 0800 - 3Kings demobilizing the scissor lift, bucket, torch tanks, processor jaws.

3. 1000 - 3Kings is setting up to do the tank cleaning.

Site Safety Observations

No entry

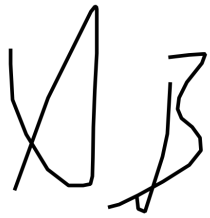
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication				

	☐	☑	☐
12. Unusual Events/Activities	☐	☑	☐
13. Waste Disposal	☐	☑	☐



I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 04/11/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
42°	52°	52°
Overcast	**Partially cloudy**	**Partially cloudy**
Wind: 1 MPH | Precipitation: .0" | Humidity: 97%	Wind: 2 MPH | Precipitation: .0" | Humidity: 82%	Wind: 1 MPH | Precipitation: .0" | Humidity: 90%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; Takeuchi TB240. Other: Roller; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; Skid steer bucket/sweeper attachment; assorted buckets, and 1 hydraulic processor attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)	1	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to continue cleaning out the Baker tanks and also the hydroseeding subcontractor will be on site.
2. 0915 - Leffeber on-site doing the hydro seeding.
3. 0924 - Seeding.

4. 1000 - Weekly progress meeting.
5. 1100 - Seeding progress.

6. 1215 - Seeding complete.
7. 1230 - United on-site taking 2 bathrooms away.
8. 1350 - 3Kings begins receiving loads of gravel to resurface the road.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Miles on-site delivering rock.

2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Rock delivered.
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☑	☐	
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Fri 04/12/2024 **Job #** 210528-05.01 **Prepared By** Alexander Bleichner

Weather

6:00 AM	12:00 PM	4:00 PM
45°	52°	55°
Rain, Overcast	**Partially cloudy**	**Clear**
Wind: 2 MPH | Precipitation: .0" | Humidity: 97%	Wind: 12 MPH | Precipitation: .0" | Humidity: 92%	Wind: 17 MPH | Precipitation: .0" | Humidity: 82%

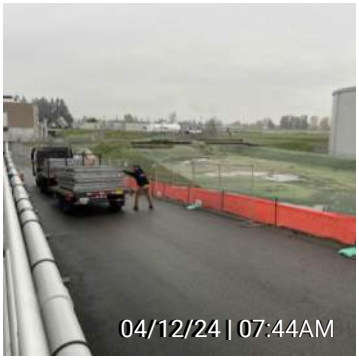
Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent) Jason Hawks (Project Manager) 2 laborers 3 operators	0	0	**0**
3 Kings Equipment	Excavators: CAT 336; Takeuchi TB240. Other: Roller; Transformer; 5 Baker Tanks; Water treatment system; 1 generators; Skid steer bucket/sweeper attachment; assorted buckets, and 1 hydraulic processor attachment.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager) Barnaby Hoit (Inspector) Julia Fitts (Project Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

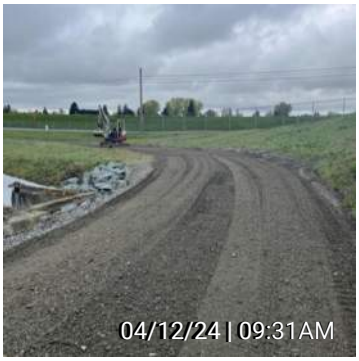
General Notes

1. 0700 - Anchor and 3 Kings on-site. Morning safety meeting. Plan for the day is to complete tank cleaning, solidify the sediment cleaned out from the tanks, finish restoration of the road and south lot, and have the fence demobed.
2. 0700 - Fence sub on-site to take the chain link.

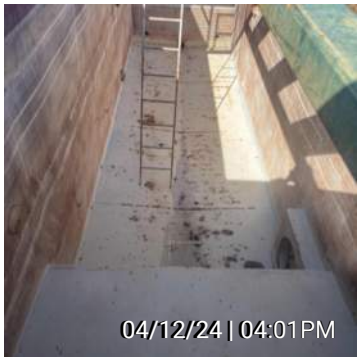
3. 0720 - Jason on-site.
4. 0745 - Fence removal in progress.

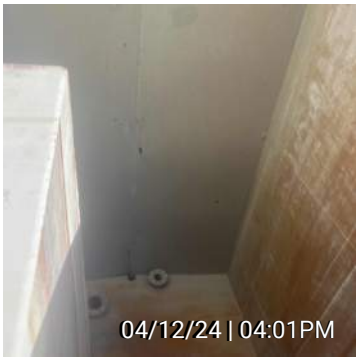


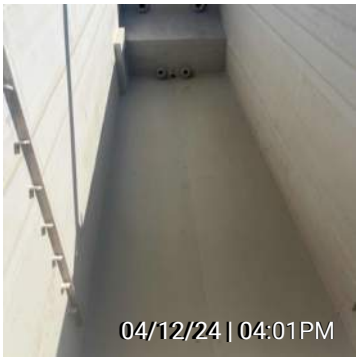
5. 0930 - Road restoration on the south end.



6. 1100 - Barbecue on-site.
7. 1300 - Meeting with Julia/Brian/Mario on TurboWaste.
8. 1600 - Tanks cleaned.







9. 1605 - Carbon filters cleaned out.

10. 1645 - South end restoration.

Site Safety Observations

No entry

Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☐	☑	Fence subcontractor. Miles brining rock.
2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☐	☑	☐	
5. Materials Delivered / Removed	☐	☐	☑	Fences removed. Rock brought in.
6. Requests for Information	☐	☑	☐	

7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	Site barbecue.
13. Waste Disposal	☐	☑	☐	

I, Alexander Bleichner, have reviewed and completed this report.

Anacortes FWTP Demolition

14489 River Bend Road Mount Vernon, WA 98273

Date Thu 04/18/2024 **Job #** 210528-05.01 **Prepared By** Anchor QEA

Weather

6:00 AM	12:00 PM	4:00 PM
38°	57°	59°
Clear	**Clear**	**Clear**
Wind: 0 MPH | Precipitation: .0" | Humidity: 82%	Wind: 3 MPH | Precipitation: .0" | Humidity: 43%	Wind: 14 MPH | Precipitation: .0" | Humidity: 40%

Work Logs

Name	Description	Quantity	Total Hours	Total Hours To Date
3 Kings Crew	Tom King (Superintendent)-onsite in morning Jason Hawks (Project Manager)-offsite 1 operator	0	0	**0**
3 Kings Equipment	3K demobed from site. Mini excavator towed out in morning; no remaining equipment onsite.	0	0	**0**
Anchor QEA	Alex Bleichner (Construction Manager)-offsite Barnaby Hoit (Inspector)-onsite Julia Fitts (Project Manager)	1	0	**0**
Bayview Consulting	Fred Buckenmeyer (City Liaison/Surveyor)	0	0	**0**
City of Anacortes	Brian McDaniel (Project Manager)	0	0	**0**
Total		1	0	**0**

General Notes

1. 0930 BDH arrived onsite.
   3K loading mini-excavator on trailer (on TK truck) for removal from site. Last peice of equipment.
   Construction office trailers already removed.
   0940 truck for last waste container arrived onsite.
   1000 weekly progress meeting.
   1030 Tom K transfers paperwork to BDH, who then transfers to Joan P.
   1030-1230 site photos and drone photography of site.
   1215 United arrives to remove porta-potty.
   1230 3K operator departs.
   1300 BDH departs site.

Previous contractor parking area (foreground) and construction office trailers (back...

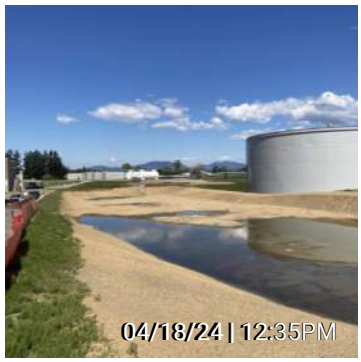
Prior staging area for contractor equipment, last waste container (removed today).

Area of previous contractor parking and construction office trailers, looking north.

Area previously occupied by surface water treatment system (demobbed from site).

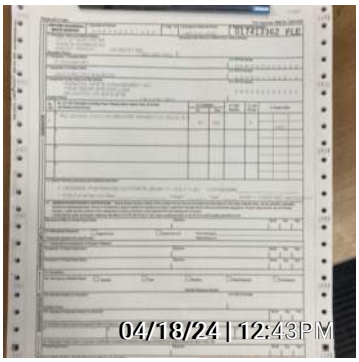
South end of sedimentation basin (from SE corner).

Looking north up east side of sedimentation basin.

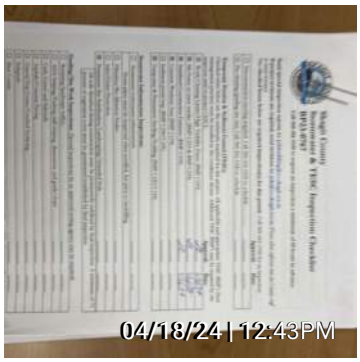


Looking north up west side of sedimentation basin.

South end of sedimentation basin.



Unused waste manifests from 3K, left with City for disposal.



Permit paperwork from 3K, transferred to City.

Waste storage for Clean Harbors.

Waste storage for Clean Harbors removal.

Site Safety Observations

No entry

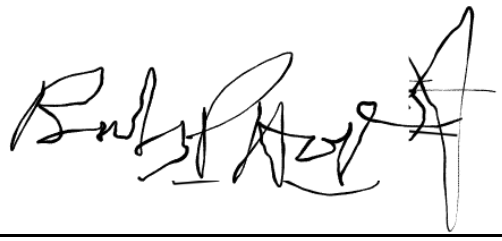
Quality Control Observations

No entry

Survey

Questions	N/A	No	Yes	Description
1. Visitors	☐	☑	☐	

2. Work Stoppages	☐	☑	☐	
3. Was Air Monitoring Performed?	☐	☑	☐	
4. Air Monitoring Exceedances	☑	☐	☐	
5. Materials Delivered / Removed	☐	☑	☐	
6. Requests for Information	☐	☑	☐	
7. Health and Safety Information	☐	☑	☐	
8. Problems/Deficiencies	☐	☑	☐	
9. Lab Samples Collected	☐	☑	☐	
10. Lab Results Received	☐	☑	☐	
11. Important Communication	☐	☑	☐	
12. Unusual Events/Activities	☐	☐	☑	3K demobbed from site.
13. Waste Disposal	☐	☐	☑	Last container of PCB demo debris removed approximately 10:30.



I, Anchor QEA, have reviewed and completed this report.

Appendix E
Analytical Data and Validation Reports

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

August 29, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2308-286

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on August 24, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 29, 2023
Samples Submitted: August 24, 2023
Laboratory Reference: 2308-286
Project: 210528-05.01

Case Narrative

Samples were collected on August 24, 2023 and received by the laboratory on August 24, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 29, 2023
Samples Submitted: August 24, 2023
Laboratory Reference: 2308-286
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-Plastic-2308241330**					
Laboratory ID:	08-286-01					
Aroclor 1016	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1221	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1232	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1242	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1248	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1254	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1260	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1262	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Aroclor 1268	**ND**	1.0	EPA 8082A	8-25-23	8-25-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*95*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: August 29, 2023
Samples Submitted: August 24, 2023
Laboratory Reference: 2308-286
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0825S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	8-25-23	8-25-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*100*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	08-254-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.350**	**0.325**	0.500	0.500	ND	**70**	**65**	41-121	7	28	
Surrogate:											
DCB						*75*	*74*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715 2708
Sampled by: Alex Bleichner (518) 848 8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☑ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 08-286

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082 PCB Aroclors	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664				AIW 8/24/23 25406	% Moisture X	PAHs 8270/SIM X
1	FWTP-Plastic - 230824 1330	8/24/23	1330	soil	1										X												X	X

	Signature	Company	Date	Time
Relinquished		Anchor QEA	8/24/23	1400
Received		ANCHOR QEA	8/24/23	15:45
Relinquished		ANCHOR QEA	8/24/23	17:20
Received		OSE	8/24/23	1720
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

OnSite Project Number: 08-286

Initiated by: MV

Date Initiated: 8/24/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	4
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 6, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2310-052

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 5, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 6, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-052
Project: 210528-05.01

Case Narrative

Samples were collected on October 4, 2023 and received by the laboratory on October 5, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 6, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-052
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-SEDCOMP1-2310041200**					
Laboratory ID:	10-052-01					
Aroclor 1016	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*86*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 6, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-052
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1006S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1006S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.419**	**0.434**	0.500	0.500	N/A	**84**	**87**	55-119	4	34	
Surrogate:											
DCB						*81*	*80*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 10-052

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360)715 2708
Sampled by: A Bleichner 578 848-8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-SEDCOMP1-231004 1200	10/4/23	1200	SW	2										X												

	Signature	Company	Date	Time
Relinquished	[signature]	Anchor QEA	10/4/23	1300
Received	UPS			
Relinquished				
Received	[signature]	OSE	10/5/23	1000
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
Both jars are identical, material was field composited and placed into two jars.

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

Initiated by: NB

OnSite Project Number: 10-052

Date Initiated: 10/5/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	3.6
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A			
1.7 How were the samples delivered?	Client	Courier	(UPS/FedEx)	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 10, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2310-061

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 5, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 10, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-061
Project: 210528-05.01

Case Narrative

Samples were collected on October 5, 2023 and received by the laboratory on October 5, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 10, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-061
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-FILTERTILE-2310051430**					
Laboratory ID:	10-061-01					
Aroclor 1016	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1221	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1232	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1242	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1248	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1254	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1260	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1262	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Aroclor 1268	**ND**	0.053	EPA 8082A	10-6-23	10-6-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*73*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 10, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-061
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1006S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	10-6-23	10-6-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*81*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-061-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.395**	**0.418**	0.500	0.500	ND	**79**	**84**	41-121	6	28	
Surrogate:											
DCB						*74*	*72*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 10, 2023
Samples Submitted: October 5, 2023
Laboratory Reference: 2310-061
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-FILTERTILE-2310051430	10-061-01	**6**	10-6-23

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 10-061

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715-2708
Sampled by: A Blechner (518) 8488195

Turnaround Request (in working days)

(Check One) AB

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☑ 3 Days
- ☐ Standard (7 Days)
- ☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-FILTERTILE-231005 1430	10/5/23	1430	SN	2										X												X

	Signature	Company	Date	Time
Relinquished	[signature]	AQ	10/5	1630
Received	[signature]	OSE	10/5/23	1630
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Jars are identical. Material was field composited.

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 23, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2310-237

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 19, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 23, 2023
Samples Submitted: October 19, 2023
Laboratory Reference: 2310-237
Project: 210528-05.01

Case Narrative

Samples were collected on October 19, 2023 and received by the laboratory on October 19, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 23, 2023
Samples Submitted: October 19, 2023
Laboratory Reference: 2310-237
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-SEDCOMP2-231019 1330**					
Laboratory ID:	10-237-01					
Aroclor 1016	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1221	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1232	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1242	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1248	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1254	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1260	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1262	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Aroclor 1268	**ND**	0.056	EPA 8082A	10-20-23	10-20-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*88*	*50-127*				
Client ID:	**FWTP-SEDCOMP3-231019 1400**					
Laboratory ID:	10-237-02					
Aroclor 1016	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1221	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1232	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1242	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1248	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1254	**0.099**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1260	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1262	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Aroclor 1268	**ND**	0.055	EPA 8082A	10-20-23	10-20-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 23, 2023
Samples Submitted: October 19, 2023
Laboratory Reference: 2310-237
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1020S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	10-20-23	10-20-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*71*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-237-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.444**	**0.461**	0.500	0.500	ND	**89**	**92**	41-121	4	28	
Surrogate:											
DCB						*82*	*84*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 23, 2023
Samples Submitted: October 19, 2023
Laboratory Reference: 2310-237
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-SEDCOMP2-231019 1330	10-237-01	**10**	10-20-23
FWTP-SEDCOMP3-231019 1400	10-237-02	**9**	10-20-23

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 10-237

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTF
Project Manager: Julia Fitts (360) 715-2708
Sampled by: Alex Bleichner (518) 848-8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-SEDComp2-231019 1330	10/19/23	1330	SN	2										X											X
2	FWTP-SEDComp3-231019 1400	10/19/23	1400	SN	2										X											J

	Signature	Company	Date	Time
Relinquished		Anchor QEA	10/19/23	1700
Received		COE	10/19/23	1855
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

OnSite Project Number: 10-237

Initiated by: MW

Date Initiated: 10/19/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	5
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4	
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4	
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4	
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	(No)	1 2 3 4	
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4	
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4	

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4	
3.2 Were any sample labels missing or illegible?	(Yes)	No		1 2 3 4	
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4	
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4	
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4	
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4	
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4	
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4	
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4	

Explain any discrepancies:

2.4 & 3.2) Bag labeled

1 - Discuss issue in Case Narrative

2 - Process Sample As-Is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 30, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2310-322

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 26, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 30, 2023
Samples Submitted: October 26, 2023
Laboratory Reference: 2310-322
Project: 210528-05.01

Case Narrative

Samples were collected on October 25, 2023 and received by the laboratory on October 26, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 30, 2023
Samples Submitted: October 26, 2023
Laboratory Reference: 2310-322
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-SEDCOMP4-2310251330**					
Laboratory ID:	10-322-01					
Aroclor 1016	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1221	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1232	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1242	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1248	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1254	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1260	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1262	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Aroclor 1268	**ND**	0.053	EPA 8082A	10-27-23	10-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*85*	*50-127*				
Client ID:	**FWTP-TROUGH-2310251400**					
Laboratory ID:	10-322-02					
Aroclor 1016	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1221	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1232	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1242	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1248	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1254	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1260	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1262	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Aroclor 1268	**ND**	0.052	EPA 8082A	10-27-23	10-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*50-127*				
Client ID:	**FWTP-MAT-2310250930**					
Laboratory ID:	10-322-03					
Aroclor 1016	**ND**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1221	**ND**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1232	**ND**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1242	**ND**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1248	**7.3**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1254	**6.4**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1260	**ND**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1262	**ND**	0.95	EPA 8082A	10-27-23	10-30-23	
Aroclor 1268	**4.2**	0.95	EPA 8082A	10-27-23	10-30-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*50-127*				F

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 30, 2023
Samples Submitted: October 26, 2023
Laboratory Reference: 2310-322
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-FOAM-2310251000**					
Laboratory ID:	10-322-04					
Aroclor 1016	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1221	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1232	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1242	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1248	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1254	**79**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1260	**67**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1262	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Aroclor 1268	**ND**	3.8	EPA 8082A	10-27-23	10-30-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*50-127*				S

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 30, 2023
Samples Submitted: October 26, 2023
Laboratory Reference: 2310-322
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1027S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	10-27-23	10-27-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1027S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.391**	**0.372**	0.500	0.500	N/A	**78**	**74**	55-119	5	34	
Surrogate:											
DCB						*86*	*82*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 30, 2023
Samples Submitted: October 26, 2023
Laboratory Reference: 2310-322
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-SEDCOMP4-2310251330	10-322-01	**5**	10-27-23
FWTP-TROUGH-2310251400	10-322-02	**4**	10-27-23
FWTP-MAT-2310250930	10-322-03	**47**	10-27-23
FWTP-FOAM-2310251000	10-322-04	**61**	10-27-23

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 10-322

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715 2708
Sampled by: Alex Bleichner (518) 848 8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664				% Moisture
1	FWTP-SEDCOMP4-231025 1330	10/25	1330	SN	1										X										X
2	FWTP-TROUGH-231025 1400	10/25	1400	SN	1										X										X
3	FWTP-MAT-231025 0930	10/25	0930	SN	1										X										X
4	FWTP-FOAM-231025 1000	10/25	1000	SN	1										X									yes	X	Lab DUP

	Signature	Company	Date	Time
Relinquished	[signature]	Anchor QEA	10/26/23	1700
Received	[signature]	OSE	10/26/23	1700
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

OnSite Project Number: 10-322

Initiated by: MV/KP

Date Initiated: 10/26/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	(Yes)	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	(Yes)	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	(Yes)	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	0
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 1, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2310-348

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on October 31, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 1, 2023
Samples Submitted: October 31, 2023
Laboratory Reference: 2310-348
Project: 210528-05.01

Case Narrative

Samples were collected on October 30, 2023 and received by the laboratory on October 31, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 1, 2023
Samples Submitted: October 31, 2023
Laboratory Reference: 2310-348
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-FT3-2310301515**					
Laboratory ID:	10-348-01					
Aroclor 1016	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1221	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1232	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1242	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1248	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1254	**0.22**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1260	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1262	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Aroclor 1268	**ND**	0.053	EPA 8082A	10-31-23	11-1-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*76*	*50-127*				
Client ID:	**FWTP-FT6-2310301530**					
Laboratory ID:	10-348-02					
Aroclor 1016	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1221	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1232	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1242	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1248	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1254	**0.36**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1260	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1262	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Aroclor 1268	**ND**	0.052	EPA 8082A	10-31-23	11-1-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*70*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 1, 2023
Samples Submitted: October 31, 2023
Laboratory Reference: 2310-348
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1031S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	10-31-23	11-1-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1031S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.434**	**0.448**	0.500	0.500	N/A	**87**	**90**	55-119	3	34	
Surrogate:											
DCB						*82*	*86*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: November 1, 2023
Samples Submitted: October 31, 2023
Laboratory Reference: 2310-348
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-FT3-2310301515	10-348-01	**6**	10-31-23
FWTP-FT6-2310301530	10-348-02	**5**	10-31-23

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Ameritas FWTP
Project Manager: Julia Fitts (360) 715-2708
Sampled by: Alex Blewett (518)8488945

Turnaround Request (in working days)
(Check One)
☐ Same Day ☒ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 10-348

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-FT3-231030 1515	10/30	1515	S.N	1										X												X
2	FWTP-FT6-231030 1530	10/30	1530	S.N	1										X												X

	Signature	Company	Date	Time
Relinquished		Anchor QEA	10/30	1600
Received		OSE	10/31/23	1300
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

Initiated by: NB

OnSite Project Number: 10-348

Date Initiated: 10/31/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	5.6
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A			
1.7 How were the samples delivered?	Client	Courier	(UPS/FedEx)	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

December 14, 2023

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2312-172

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on December 12, 2023.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 14, 2023
Samples Submitted: December 12, 2023
Laboratory Reference: 2312-172
Project: 210528-05.01

Case Narrative

Samples were collected on December 12, 2023 and received by the laboratory on December 12, 2023. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 14, 2023
Samples Submitted: December 12, 2023
Laboratory Reference: 2312-172
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-2023-Con-01-0-3**					
Laboratory ID:	12-172-01					
Aroclor 1016	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*98*	*50-127*				
Client ID:	**FWTP-2023-Con-02-0-3**					
Laboratory ID:	12-172-02					
Aroclor 1016	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*108*	*50-127*				
Client ID:	**FWTP-2023-Con-03-0-3**					
Laboratory ID:	12-172-03					
Aroclor 1016	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 14, 2023
Samples Submitted: December 12, 2023
Laboratory Reference: 2312-172
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-2023-Con-04-0-3**					
Laboratory ID:	12-172-04					
Aroclor 1016	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.051	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*101*	*50-127*				
Client ID:	**FWTP-2023-Con-05-0-3**					
Laboratory ID:	12-172-05					
Aroclor 1016	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**0.12**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.052	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*50-127*				
Client ID:	**FWTP-2023-Con-06**					
Laboratory ID:	12-172-06					
Aroclor 1016	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 14, 2023
Samples Submitted: December 12, 2023
Laboratory Reference: 2312-172
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-2023-Con-07**					
Laboratory ID:	12-172-07					
Aroclor 1016	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*50-127*				
Client ID:	**FWTP-2023-Con-08**					
Laboratory ID:	12-172-08					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*80*	*50-127*				
Client ID:	**FWTP-2023-Con-1008**					
Laboratory ID:	12-172-09					
Aroclor 1016	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.056	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 14, 2023
Samples Submitted: December 12, 2023
Laboratory Reference: 2312-172
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1213S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1221	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1232	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1242	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1248	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1254	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1260	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1262	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Aroclor 1268	**ND**	0.050	EPA 8082A	12-13-23	12-14-23	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*63*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB1213S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.409**	**0.372**	0.500	0.500	N/A	**82**	**74**	55-119	9	34	
Surrogate:											
DCB						*91*	*84*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: December 14, 2023
Samples Submitted: December 12, 2023
Laboratory Reference: 2312-172
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-2023-Con-01-0-3	12-172-01	**3**	12-14-23
FWTP-2023-Con-02-0-3	12-172-02	**3**	12-13-23
FWTP-2023-Con-03-0-3	12-172-03	**4**	12-13-23
FWTP-2023-Con-04-0-3	12-172-04	**2**	12-13-23
FWTP-2023-Con-05-0-3	12-172-05	**4**	12-13-23
FWTP-2023-Con-06	12-172-06	**11**	12-13-23
FWTP-2023-Con-07	12-172-07	**11**	12-13-23
FWTP-2023-Con-08	12-172-08	**0**	12-14-23
FWTP-2023-Con-1008	12-172-09	**11**	12-13-23

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody Record & Laboratory Analysis Request

Laboratory Name: On-site
Date: December 12, 2023
Project Name: Anacortes FWTP
Project Number: 210528-05.01
Project Manager: Julia Fitts
Phone Number: 719-659-6308
Shipment Method: Drop-off

ANCHOR QEA

12-172

Line	Field Sample ID	Collection Date/Time	Matrix	No. of Containers	Test Parameters: PCB Aroclors	Test Parameters: % Moisture	Comments/Preservation
1	FWTP-2023-Con-01-0-3	12/12/2023 915	Solid	1	x	x	48 hour TAT
2	FWTP-2023-Con-02-0-3	12/12/2023 922	Solid	1	x	x	
3	FWTP-2023-Con-03-0-3	12/12/2023 934	Solid	1	x	x	
4	FWTP-2023-Con-04-0-3	12/12/2023 942	Solid	1	x	x	
5	FWTP-2023-Con-05-0-3	12/12/2023 955	Solid	1	x	x	
6	FWTP-2023-Con-06	12/12/2023 1005	Solid	1	x	x	
7	FWTP-2023-Con-07	12/12/2023 1010	Solid	1	x	x	
8	FWTP-2023-Con-08	12/12/2023 1015	Solid	1	x	x	
9	FWTP-2023-Con-1008	12/12/2023 1020	Solid	1	x	x	
10							
11							
12							
13							
14							
15							
16							
17							
18							

Notes:

Relinquished By:	Company:	Received By:	Company:
Hayley Shankey	Anchor QEA, LLC	Katelyn Pickard	QE
Signature/Printed Name	12/12/23 1509 Date/Time	Signature/Printed Name	12/12/23 1509 Date/Time
Relinquished By:	Company:	Received By:	Company:
Signature/Printed Name	Date/Time	Signature/Printed Name	Date/Time

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

Initiated by: KP

OnSite Project Number: 12-172

Date Initiated: 12/12/23

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	Yes	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	N/A	Temperature:	4.8°
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A			
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		N/A	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

February 15, 2024

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2402-190

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on February 15, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 15, 2024
Samples Submitted: February 15, 2024
Laboratory Reference: 2402-190
Project: 210528-05.01

Case Narrative

Samples were collected on February 13, 2024 and received by the laboratory on February 15, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 15, 2024
Samples Submitted: February 15, 2024
Laboratory Reference: 2402-190
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-ADMINWALL-2402131630**					
Laboratory ID:	02-190-01					
Aroclor 1016	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1221	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1232	**43**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1242	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1248	**30**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1254	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1260	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1262	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Aroclor 1268	**ND**	4.0	EPA 8082A	2-15-24	2-15-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*50-127*				S
Client ID:	**FWTP-ADMINFLOOR-2402131645**					
Laboratory ID:	02-190-02					
Aroclor 1016	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1221	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1232	**51000**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1242	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1248	**27000**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1254	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1260	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1262	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Aroclor 1268	**ND**	2000	EPA 8082A	2-15-24	2-15-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	---	*50-127*				S

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: February 15, 2024
Samples Submitted: February 15, 2024
Laboratory Reference: 2402-190
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	2-15-24	2-15-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*90*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0215S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.525**	**0.553**	0.500	0.500	N/A	**105**	**111**	55-119	5	34	
Surrogate:											
DCB						*107*	*113*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715-2708
Sampled by: Alex Blechner (518) 848-8195

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☑ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 02-190

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-ADMINWALL-240213 1630	2/13/24	1630	SW	1										X											
2	FWTP-ADMINFLOOR-240213 1645	2/13/24	1645	SW	1										X											

	Signature	Company	Date	Time
Relinquished	Alex Blechner	Anchor QEA	2/13/24	1700
Received	UPS			
Relinquished				
Received	Nicholas Bolin	OSE	2/15/24	0955
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

Initiated by: NB

OnSite Project Number: 02-190

Date Initiated: 2/15/24

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	(Yes)	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	(Yes)	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	(Yes)	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	1
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A			
1.7 How were the samples delivered?	Client	Courier	(UPS/FedEx)	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 1, 2024

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2402-382

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on February 29, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 1, 2024
Samples Submitted: February 29, 2024
Laboratory Reference: 2402-382
Project: 210528-05.01

Case Narrative

Samples were collected on February 27 and 28, 2024 and received by the laboratory on February 29, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 1, 2024
Samples Submitted: February 29, 2024
Laboratory Reference: 2402-382
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-A1-3-0-1-2402271400**					
Laboratory ID:	02-382-01					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*50-127*				
Client ID:	**FWTP-A1-3-1-3-2402271410**					
Laboratory ID:	02-382-02					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*50-127*				
Client ID:	**FWTP-A1-FOAM-2402271500**					
Laboratory ID:	02-382-07					
Aroclor 1016	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1221	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1232	**2000**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1242	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1248	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1254	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1260	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1262	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Aroclor 1268	**ND**	100	EPA 8082A	2-29-24	3-1-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*50-127*				S

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 1, 2024
Samples Submitted: February 29, 2024
Laboratory Reference: 2402-382
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-A2-3-0-1-2402280800**					
Laboratory ID:	02-382-08					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*91*	*50-127*				
Client ID:	**FWTP-A2-3-1-3-2402280810**					
Laboratory ID:	02-382-09					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*50-127*				
Client ID:	**FWTP-A2-FOAM-2402280900**					
Laboratory ID:	02-382-14					
Aroclor 1016	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1221	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1232	**2200**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1242	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1248	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1254	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1260	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1262	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Aroclor 1268	**ND**	200	EPA 8082A	2-29-24	3-1-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*---*	*50-127*				S

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Date of Report: March 1, 2024
Samples Submitted: February 29, 2024
Laboratory Reference: 2402-382
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-A3-CORK-2402281100**					
Laboratory ID:	02-382-15					
Aroclor 1016	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1221	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1232	**5.7**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1242	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1248	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1254	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1260	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1262	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Aroclor 1268	**ND**	2.0	EPA 8082A	2-29-24	3-1-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*50-127*				

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Date of Report: March 1, 2024
Samples Submitted: February 29, 2024
Laboratory Reference: 2402-382
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0229S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	2-29-24	2-29-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*67*	*50-127*				
Laboratory ID:	MB0301S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-1-24	3-1-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*84*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-349-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.482**	**0.463**	0.500	0.500	ND	**96**	**93**	41-121	4	28	
Surrogate:											
DCB						*79*	*76*	*50-127*			
SPIKE BLANKS											
Laboratory ID:	SB0301S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.467**	**0.525**	0.500	0.500	N/A	**93**	**105**	55-119	12	34	
Surrogate:											
DCB						*80*	*91*	*50-127*			

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OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715-2708
Sampled by: Alex Bleecher (518) 848 8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 02-382

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	HOLD				% Moisture
1	FWTP-A1-3-0-1-240227 1400	2/27/24	1400	C	1										X												X
2	FWTP-A1-3-0-3-240227 1410	2/27/24	1410	C	1										X												X
3	FWTP-A1-3-3-6-240227 1420	2/27/24	1420	C	1										X								X				
4	FWTP-A1-6-0-1-240227 1430	2/27/24	1430	C	1										X								X				
5	FWTP-A1-6-1-3-240227 1440	2/27/24	1440	C	1										X								X				
6	FWTP-A1-6-3-6-240227 1450	2/27/24	1450	C	1										X								X				
7	FWTP-A1-FOAM-240227 1500	2/27/24	1500	SN	1										X												X
8	FWTP-A2-3-0-1-240228 0800	2/28/24	0800	C	1										X												X
9	FWTP-A2-3-1-3-240228 0810	2/28/24	0810	C	1										X												X
10	FWTP-A2-3-3-6-240228 0820	2/28/24	0820	C	1										X								X				

	Signature	Company	Date	Time
Relinquished		Anchor QEA	2/28/24	1130
Received		OSE	2/29/24	1100
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Chain of Custody

Page 2 of 2

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360)715-2708
Sampled by: Alex Blechner (518) 848-8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 02-382

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	HOLD				% Moisture
11	FWTP-AZ-6-0-1-240228 0830	2/28/24	0830	C	1										X								X				
12	FWTP-AZ-6-1-3-240228 0840	2/28/24	0840	C	1										X								X				
13	FWTP-AZ-6-3-6-240228 0850	2/28/24	0850	C	1										X								X				
14	FWTP-AZ-FOAM-240228 0900	2/28/24	0900	C	1										X												X
15	FWTP-AZ-CORK-240228 1100	2/28/24	1100	SW	1										X												X

	Signature	Company	Date	Time
Relinquished	Alex Blechner	Anchor QEA	2/28/24	1130
Received	Nicholas Bjorn	OSE	2/29/24	1100
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

Initiated by: NB

OnSite Project Number: 02-382

Date Initiated: 2/29/24

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	(Yes)	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	(Yes)	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	(Yes)	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	3.8
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A			
1.7 How were the samples delivered?	(Client)	Courier	(UPS/FedEx)	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 6, 2024

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2403-041

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on March 5, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2024
Samples Submitted: March 5, 2024
Laboratory Reference: 2403-041
Project: 210528-05.01

Case Narrative

Samples were collected on March 4, 2024 and received by the laboratory on March 5, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2024
Samples Submitted: March 5, 2024
Laboratory Reference: 2403-041
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-A3-0-1-2403041330**					
Laboratory ID:	03-041-01					
Aroclor 1016	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1221	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1232	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1242	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1248	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1254	**0.072**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1260	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1262	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Aroclor 1268	**ND**	0.055	EPA 8082A	3-5-24	3-6-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*82*	*50-127*				
Client ID:	**FWTP-A3-1-3-2403041340**					
Laboratory ID:	03-041-02					
Aroclor 1016	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1221	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1232	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1242	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1248	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1254	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1260	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1262	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Aroclor 1268	**ND**	0.053	EPA 8082A	3-5-24	3-6-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*79*	*50-127*				
Client ID:	**FWTP-A3-Chip-2403041350**					
Laboratory ID:	03-041-03					
Aroclor 1016	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1221	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1232	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1242	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1248	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1254	**0.093**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1260	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1262	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Aroclor 1268	**ND**	0.058	EPA 8082A	3-5-24	3-6-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*83*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2024
Samples Submitted: March 5, 2024
Laboratory Reference: 2403-041
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0305S2					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-5-24	3-5-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*94*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-329-02										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	**0.506**	**0.489**	0.500	0.500	ND	**101**	**98**	41-121	3	28	
Surrogate:											
DCB						*89*	*89*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 6, 2024
Samples Submitted: March 5, 2024
Laboratory Reference: 2403-041
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-A3-0-1-2403041330	03-041-01	**9**	3-5-24
FWTP-A3-1-3-2403041340	03-041-02	**6**	3-5-24
FWTP-A3-Chip-2403041350	03-041-03	**14**	3-5-24

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360)715-2708
Sampled by: Alex Blachman (578)848-8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 03-041

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-A3-0-1-2403041330	3/4/24	1330	soil	1										X												10
2	FWTP-A3-1-3-2403041340	3/4/24	1340	soil	↓										X												↓
3	FWTP-A3-Chip-2403041350	3/4/24	1350	soil	↓										X												↓

	Signature	Company	Date	Time
Relinquished		Anchor QEA	3/4/24	1330
Received			3/5/24	100
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

OnSite Project Number: 03-041

Initiated by: MV

Date Initiated: 3/5/24

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	Yes	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	N/A	Temperature:	0
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A			
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		N/A	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 13, 2024

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2403-142

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on March 12, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 13, 2024
Samples Submitted: March 12, 2024
Laboratory Reference: 2403-142
Project: 210528-05.01

Case Narrative

Samples were collected on March 11, 2024 and received by the laboratory on March 12, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

PCBs EPA 8082A Analysis

Sample matrix effects caused the surrogate recovery of DCB (44%) for the sample FWTP-Asphalt-2403110900 to be below the quality control limits of 50-127%. All other QC was within their corresponding quality control limits. Due to severe detrimental effect on the instrument caused by the matrix, no further action was performed.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 13, 2024
Samples Submitted: March 12, 2024
Laboratory Reference: 2403-142
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-Asphalt-2403110900**					
Laboratory ID:	03-142-01					
Aroclor 1016	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1221	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1232	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1242	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1248	**0.59**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1254	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1260	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1262	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Aroclor 1268	**ND**	0.19	EPA 8082A	3-12-24	3-12-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*44*	*50-127*				Q

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 13, 2024
Samples Submitted: March 12, 2024
Laboratory Reference: 2403-142
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0312S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-12-24	3-12-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*78*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0312S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.448**	**0.440**	0.500	0.500	N/A	**90**	**88**	55-119	2	34	
Surrogate:											
DCB						*72*	*70*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 13, 2024
Samples Submitted: March 12, 2024
Laboratory Reference: 2403-142
Project: 210528-05.01

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FWTP-Asphalt-2403110900	03-142-01	**48**	3-12-24

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Laboratory Number: 03-142

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715-2708
Sampled by: Alex Bleichner (510) 846-8185

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664	% Moisture
1	FWTP-Asphalt-240311090O	3/11/24	0900	SN	1										X								X

	Signature	Company	Date	Time
Relinquished		Anchor QEA	3/11/24	1200
Received		OSE	3/12/24	1210
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

OnSite Project Number: 03-142

Initiated by: MV

Date Initiated: 3/12/24

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	(Yes)	No	N/A	1 2 3 4	
1.2 Were the custody seals intact?	(Yes)	No	N/A	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	(Yes)	No	N/A	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature: 5	
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A			
1.7 How were the samples delivered?	Client	Courier	(UPS/FedEx)	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 20, 2024

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2403-252

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on March 19, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2024
Samples Submitted: March 19, 2024
Laboratory Reference: 2403-252
Project: 210528-05.01

Case Narrative

Samples were collected on March 18, 2024 and received by the laboratory on March 19, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2024
Samples Submitted: March 19, 2024
Laboratory Reference: 2403-252
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-ADCOMP-1-2403181300**					
Laboratory ID:	03-252-01					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*96*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 20, 2024
Samples Submitted: March 19, 2024
Laboratory Reference: 2403-252
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0319S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-19-24	3-20-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*103*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0319S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.489**	**0.511**	0.500	0.500	N/A	**98**	**102**	55-119	4	34	
Surrogate:											
DCB						*103*	*98*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715 2708
Sampled by: Alex Blechner (518) 848 8195

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☑ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☐ Standard (7 Days)
- ☐ _____ (other)

Laboratory Number: 03-252

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-ADCOMP-1-240318 1300	3/18/24	1300	CO	1										X											

	Signature	Company	Date	Time
Relinquished	[signature]	Anchor QEA	3/18/24	1400
Received	[signature]	(UPS) COSE	3/19/24	1145
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210528-05.01

OnSite Project Number: 03-252

Initiated by: MV

Date Initiated: 3/19/24

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	Yes	No	N/A	1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	N/A	Temperature: 10
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	N/A		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx	OSE Pickup / Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	Yes	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	Yes	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	Yes	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	Yes	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	No	1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		N/A	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

OnSite Environmental Inc.
14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 22, 2024

Julia Fitts
Anchor QEA
1201 3rd Avenue, Suite 2600
Seattle, WA 98101

Re: Analytical Data for Project 210528-05.01
Laboratory Reference No. 2403-302

Dear Julia:

Enclosed are the analytical results and associated quality control data for samples submitted on March 21, 2024.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 22, 2024
Samples Submitted: March 21, 2024
Laboratory Reference: 2403-302
Project: 210528-05.01

Case Narrative

Samples were collected on March 20, 2024 and received by the laboratory on March 21, 2024. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 22, 2024
Samples Submitted: March 21, 2024
Laboratory Reference: 2403-302
Project: 210528-05.01

PCBs EPA 8082A

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**FWTP-ADCOMP-2-2403201030**					
Laboratory ID:	03-302-01					
Aroclor 1016	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1221	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1232	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1242	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1248	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1254	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1260	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1262	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Aroclor 1268	**ND**	0.47	EPA 8082A	3-21-24	3-22-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*111*	*50-127*				

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 22, 2024
Samples Submitted: March 21, 2024
Laboratory Reference: 2403-302
Project: 210528-05.01

PCBs EPA 8082A
QUALITY CONTROL

Matrix: Solid
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0321S1					
Aroclor 1016	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1221	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1232	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1242	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1248	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1254	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1260	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1262	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Aroclor 1268	**ND**	0.050	EPA 8082A	3-21-24	3-21-24	
Surrogate:	*Percent Recovery*	*Control Limits*				
DCB	*107*	*50-127*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS											
Laboratory ID:	SB0321S1										
	SB	SBD	SB	SBD		SB	SBD				
Aroclor 1260	**0.482**	**0.485**	0.500	0.500	N/A	**96**	**97**	55-119	1	34	
Surrogate:											
DCB						*101*	*99*	*50-127*			

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

OnSite Environmental Inc.

Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

E - The value reported exceeds the quantitation range and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range are impacting the diesel range result.

M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

N - Hydrocarbons in the lube oil range are impacting the diesel range result.

N1 - Hydrocarbons in diesel range are impacting lube oil range results.

O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

U1 - The practical quantitation limit is elevated due to interferences present in the sample.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a mercury cleanup procedure.

X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.

X2 - Sample extract treated with a silica gel cleanup procedure.

Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.

Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL
PQL - Practical Quantitation Limit
RPD - Relative Percent Difference

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Chain of Custody

OnSite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Anchor QEA
Project Number: 210528-05.01
Project Name: Anacortes FWTP
Project Manager: Julia Fitts (360) 715-2708
Sampled by: Alex Blechman (518) 848-8195

Turnaround Request (in working days)
(Check One)
☐ Same Day ☑ 1 Day
☐ 2 Days ☐ 3 Days
☐ Standard (7 Days)
☐ _____ (other)

Laboratory Number: 03-302

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX (8021☐ 8260☐)	NWTPH-Gx	NWTPH-Dx (SG Clean-up ☐)	Volatiles 8260	Halogenated Volatiles 8260	EDB EPA 8011 (Waters Only)	Semivolatiles 8270/SIM (with low-level PAHs)	PAHs 8270/SIM (low-level)	PCBs 8082	Organochlorine Pesticides 8081	Organophosphorus Pesticides 8270/SIM	Chlorinated Acid Herbicides 8151	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664					% Moisture
1	FWTP-ADComp-Z-240320 1030	3/20/24	1030	C0	1										X											

	Signature	Company	Date	Time
Relinquished	Alex Blechman	Anchor QEA	3/20/24	1130
Received		CVRS		
Relinquished		ESE	3/21/24	1100
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Data Package: Standard ☑ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

Sample/Cooler Receipt and Acceptance Checklist

Client: ANC

Client Project Name/Number: 210520-05.01

OnSite Project Number: 03-302

Initiated by: AMV

Date Initiated: 3/21/24

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	(Yes)	No	(N/A)	1 2 3 4	
1.2 Were the custody seals intact?	(Yes)	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	(Yes)	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	(N/A)	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	(N/A)	Temperature:	(2)
1.6 Have shipping bills (if any) been attached to the back of this form?	(Yes)	N/A			
1.7 How were the samples delivered?	(Client)	Courier	(UPS/FedEx)	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(Yes)	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	(No)		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	(No)		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	(N/A)	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	(N/A)	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	(No)		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

Table E-2

Post-Demolition Concrete Confirmation Samples PCB Results

Sample ID	Sample Date	Sample Type	Result Units	Sample Detail	Analyte Result									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Sedimentation Basin														
FWTP-SEDCOMP1-2310041200	10/4/2023	CO	mg/kg	Composite from Area 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-SEDCOMP2-2310191330	10/19/2023	CO	mg/kg	Composite from Area 2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-SEDCOMP3-2310191400	10/19/2023	CO	mg/kg	Composite from Area 3	ND	ND	ND	ND	ND	0.099	ND	ND	ND	0.099
FWTP-SEDCOMP4-2310251330	10/25/2023	CO	mg/kg	Composite from Area 4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-TROUGH-2310251400	10/25/2023	CO	mg/kg	Composite from the Sed Basin Trough Area	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Filtration Basin and Administration Building														
FWTP-ADCOMP-1-2403181300	3/18/2024	CO	mg/kg	Composite from Area 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-ADCOMP-2-2403201030	3/20/2024	CO	mg/kg	Composite from Area 2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1. Sample nomenclature includes the program code, sample type, location identifier, and date. For example sample FWTP-COMP-1-A-2308011300 is for the Former Water Treatment Plant demolition, composite sample from location 1A on the first of August, 2023, at 1300.

2. Concrete samples are from the 7-centimeter interval unless otherwise noted.

Program Codes:

FWTP - 2023 Former Water Treatment Plant Demolition

Sample Media Types:

CO: concrete

Abbreviations:

mg/kg: milligram per kilogram

ND: non-detect result

COMP: composite sample

EQB: equipment blank

FD: field duplicate sample

Table E-3
Waste Characterization Samples PCB Results

Sample ID	Sample Date	Sample Type	Result Units	Sample Detail	Analyte Result									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Sedimentation Basin														
FWTP-Plastic-2308241330	8/24/2023	SN	mg/kg	Plastic seam layer running within basin walls	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-MAT-2310250930	10/25/2023	SN	mg/kg	Elastic matting running under the Sed Basin slab in the expansion joint area	ND	ND	ND	ND	**7.3**	**6.4**	ND	ND	**4.2**	**17.9**
FWTP-FOAM-2310251000	10/25/2023	SN	mg/kg	Foam-like material within the wall in the expansion joint area	ND	ND	ND	ND	ND	**79.0**	**67.0**	ND	ND	**146.0**
Filtration Basin and Administration Building														
FWTP-FilterMedia-2308091145	8/9/2023	SN	mg/kg	Carbon media from within the Filtration Basin bays	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-FILTERTILE-2310051430	10/5/2023	SN	mg/kg	Tile within Filtration Basin bays	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-FT3-2310301515	10/30/2023	SN	mg/kg	Tile within Filtration Basin bays (3 inches from the painted walls)	ND	ND	ND	ND	ND	0.22	ND	ND	ND	0.22
FWTP-FT6-2310301530	10/30/2023	SN	mg/kg	Tile within Filtration Basin bays (6 inches from the painted walls)	ND	ND	ND	ND	ND	0.36	ND	ND	ND	0.36
FWTP-ADMINWALL-2402131630	2/13/2024	SN	mg/kg	Wall joint foam	ND	ND	**43**	ND	**30**	ND	ND	ND	ND	**73.0**
FWTP-ADMINFLOOR-2402131645	2/13/2024	SN	mg/kg	Floor joint rubber caulk	ND	ND	**51000**	ND	**27000**	ND	ND	ND	ND	**78000**
FWTP-A1-3-0-1-2402271400	2/27/2024	CO	mg/kg	Slab joint 3" step out, area #1, 0-1" depth interval	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-A1-3-1-3-2402271410	2/27/2024	CO	mg/kg	Slab joint 3" step out, area #1, 1-3" depth interval	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-A1-FOAM-2402271500	2/27/2024	SN	mg/kg	Underlying foam in slab joint area #1	ND	ND	**2000**	ND	ND	ND	ND	ND	ND	**2000**
FWTP-A2-3-0-1-2402280800	2/28/2024	CO	mg/kg	Slab joint 3" step out, area #2, 0-1" depth interval	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-A2-3-1-3-2402280810	2/28/2024	CO	mg/kg	Slab joint 3" step out, area #2, 1-3" depth interval	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-A2-FOAM-2402280900	2/28/2024	SN	mg/kg	Underlying foam in slab joint area #2	ND	ND	**2200**	ND	ND	ND	ND	ND	ND	**2200**
FWTP-A3-CORK-2402281100	2/28/2024	SN	mg/kg	Cork from wall sample location	ND	ND	**5.7**	ND	ND	ND	ND	ND	ND	**5.7**
FWTP-A3-0-1-2403041330	3/4/2024	CO	mg/kg	Wall joint 3" step out, 0-1" depth interval	ND	ND	ND	ND	ND	0.072	ND	ND	ND	0.072
FWTP-A3-1-3-2403041340	3/4/2024	CO	mg/kg	Wall joint 3" step out, 1-3" depth interval	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-A3-Chip-2403041350	3/4/2024	CO	mg/kg	Wall joint chip sample directly adjacent to the cork material	ND	ND	ND	ND	ND	0.093	ND	ND	ND	0.093
FWTP-Asphalt-2403110900	3/11/2024	SN	mg/kg	Asphalt joint material	ND	ND	ND	ND	ND	0.59	ND	ND	ND	0.59

Table E-3

Waste Characterization Samples PCB Results

Sample ID	Sample Date	Sample Type	Result Units	Sample Detail	Analyte Result									
					Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	Total PCBs
Lime Storage Building														
FWTP-2023-Con-01-03	12/12/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-02-03	12/13/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-03-03	12/14/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-04-03	12/15/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-05-03	12/16/2023	CO	mg/kg		ND	ND	ND	ND	ND	0.12	ND	ND	ND	0.12
FWTP-2023-Con-06	12/17/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-07	12/18/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-08	12/19/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FWTP-2023-Con-1008	12/20/2023	CO	mg/kg		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

1. Sample nomenclature includes the program code, sample type, location identifier, and date. For example sample FWTP-COMP-1-A-2308011300 is for the Former Water Treatment Plant demolition, composite sample from location 1A on the first of August, 2023, at 1300.

Program Codes:

FWTP - 2023 Former Water Treatment Plant Demolition

Sample Media Types:

CO : concrete

SN: building materials sample

Abbreviations:

mg/kg: milligram per kilogram

ND: non-detect result

COMP: composite sample

EQB: equipment blank

FD: field duplicate sample

Appendix F
Asbestos Abatement Documentation

MEMORANDUM

February 26, 2024

To: Alexander J. Bleichner
ANCHOR QEA, LLC
ableichner@anchorqea.com

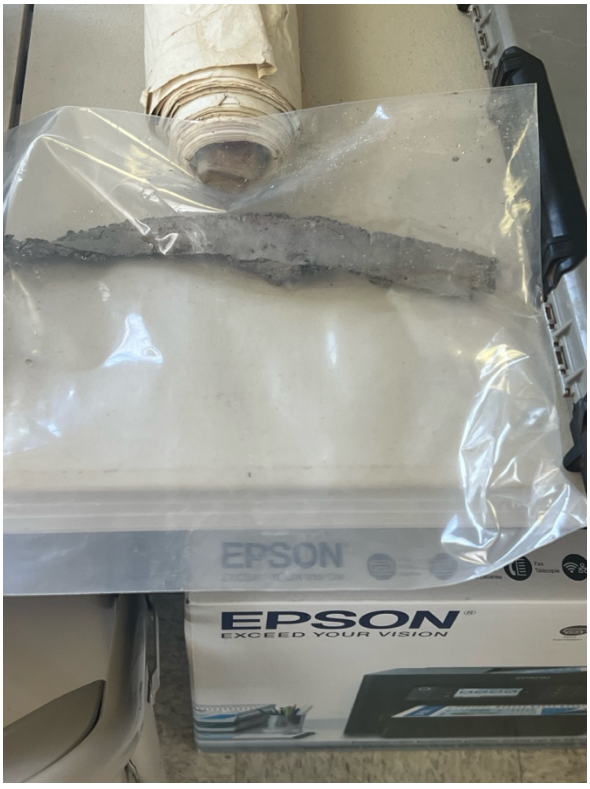
From: Elisabeth Black, CIH
EMB Consulting, LLC

Re: **MATERIAL INSPECTION FOR ASBESTOS-CONTAINING MATERIAL**
Anacortes Water Treatment Plan
14489 River Bend Rd
Mount Vernon, Washington

This memorandum summarizes the findings of my inspection of building materials discovered during the final phase of demolition of the former City of Anacortes Water Treatment Plant in Mount Vernon, Washington. The materials were present in floor and wall joints in the former subsurface clear well, an area not accessible during the initial demolition-level survey conducted by EMB Consulting in 2019.

On February 23, 2024, Elisabeth Black, CIH, Certified AHERA Building Inspector examined samples and photographs of foam filler and rubber sealant from the clear well area of the structure. Photographs of the material are provided below.

Foam Filler in Clear Well Wall Joints



Rubber Sealant in Clear Well Wall Joints

According to 40 CFR 763.86 - Sampling. (c)(2). (4) Bulk samples are not required to be collected from any homogeneous area where the accredited inspector has determined that the material is fiberglass, foam glass, rubber, or other non-Asbestos Containing Material. Rubber and foam are exempted as “non-ACBM”. Elisabeth Black confirmed that the material consists of rubber and foam, and therefore is deemed non-ACBM. No samples were collected for analysis.

It should be noted that the materials do contain regulated concentrations of polychlorinated biphenyls (PCBs) and will be managed as PCB waste.

ADDENDUM TO
ASBESTOS-CONTAINING MATERIAL INSPECTION
FOR DEMOLITION

CITY OF ANACORTES
FORMER WATER TREATMENT PLANT
MOUNT VERNON, WASHINGTON

Prepared for:
Anchor QEA

Prepared by:
EMB Consulting LLC ***Addendum date: August 2, 2023***

This document is an addendum to the Asbestos-Containing Material Inspection for Demolition, City of Anacortes, Former Water Treatment Plant, Mount Vernon, Washington, dated June 20, 2022. This addendum presents the results of supplemental sampling for asbestos-containing material (ACM) during abatement. The sampling was conducted in accordance with the regulations and methods specified in the June 20, 2022 report. This addendum was prepared for Anchor QEA in support of their client, the City of Anacortes.

As of this writing, Anchor QEA is overseeing 3 Kings Environmental as they conduct hazardous material abatement and demolition for the structures. At the time of original asbestos inspection in 2019, EMB Consulting encountered access issues with electrical equipment in the Pump Room and throughout the building. The report noted that additional materials *"…may be present in other areas of the building that were not readily accessible (within locked electrical cabinets or behind panels).*" This addendum identifies materials that were made available during selective demolition in preparation for abatement.

On July 31, 2023, EMB Consulting and 3 Kings Environmental collected seven additional samples from electrical cabinets or behind panels in the Pump Room. The samples were delivered to NVL Laboratories in Mountlake Terrace, Washington for analysis. Only one of the seven additional material was confirmed as ACM, which were cement asbestos board (CAB) panels between fuses in the Pump Room central cabinets. This information was provided to 3 Kings and the material was abated on August 1, 2023.

The results of the supplemental sampling are presented in the table attached to this addendum. Approximate sample locations are marked on the revised first floor plan provided with this addendum. The laboratory report is attached for reference.

Final note: Based on the complexity of the electrical systems throughout the former Water Treatment Plant, it is possible that additional wiring with ACM fiber wrap may be encountered during demolition. 3 Kings has informed me that they will be monitoring the demolition for the potential uncovering of this material.

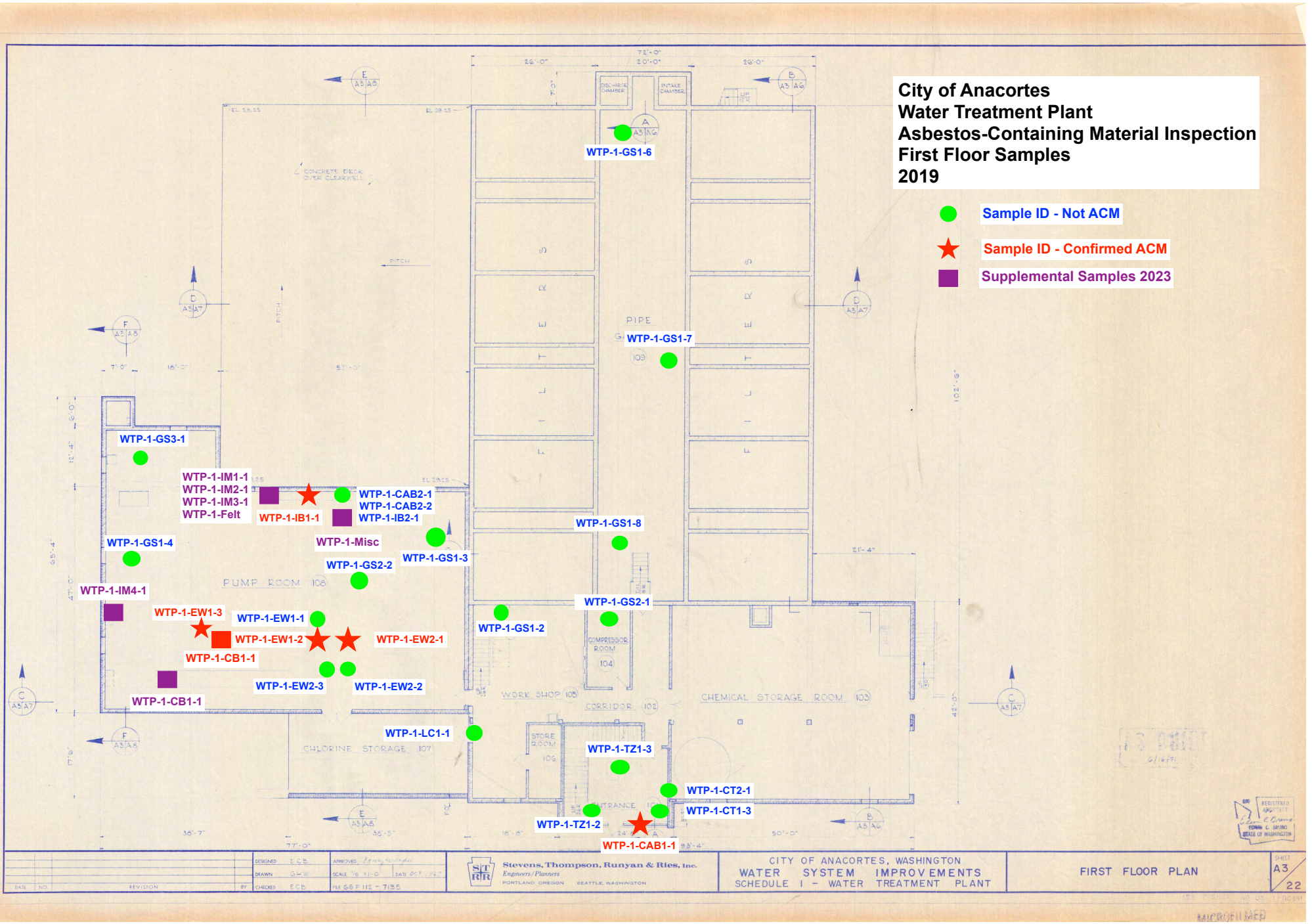

City of Anacortes
Water Treatment Plant
Asbestos-Containing Material Inspection
First Floor Samples
2019
Sample ID - Not ACM
Sample ID - Confirmed ACM
Supplemental Samples 2023
WTP-1-GS1-6
WTP-1-GS1-7
WTP-1-GS3-1
WTP-1-IM1-1
WTP-1-IM2-1
WTP-1-IM3-1
WTP-1-Felt
WTP-1-IB1-1
WTP-1-CAB2-1
WTP-1-CAB2-2
WTP-1-IB2-1
WTP-1-GS1-8
WTP-1-GS1-4
WTP-1-Misc
WTP-1-GS1-3
WTP-1-GS2-2
WTP-1-IM4-1
WTP-1-GS2-1
WTP-1-EW1-3
WTP-1-EW1-1
WTP-1-GS1-2
WTP-1-EW1-2
WTP-1-EW2-1
WTP-1-CB1-1
WTP-1-EW2-3
WTP-1-EW2-2
WTP-1-CB1-1
WTP-1-LC1-1
WTP-1-TZ1-3
WTP-1-CT2-1
WTP-1-CT1-3
WTP-1-TZ1-2
WTP-1-CAB1-1
PIPE
PUMP ROOM 108
COMPRESSOR ROOM 104
WORK SHOP 105
CORRIDOR 102
CHEMICAL STORAGE ROOM 103
CHLORINE STORAGE 107
STORE ROOM 106
CONCRETE DECK OVER CLEARWELL
DISCHARGE CHAMBER
INTAKE CHAMBER
Stevens, Thompson, Runyan & Ries, Inc.
Engineers/Planners
PORTLAND, OREGON SEATTLE, WASHINGTON
CITY OF ANACORTES, WASHINGTON
WATER SYSTEM IMPROVEMENTS
SCHEDULE I - WATER TREATMENT PLANT
FIRST FLOOR PLAN
SHEET A3
22

Table 1: Bulk Asbestos Sample Results - 2023 Addendum
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-1-IM1-1 July 31, 2023	Insulation Material (white)	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	
WTP-1-IM2-1 July 31, 2023	Insulation Material (white)	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	
WTP-1-IM3-1 July 31, 2023	Insulation Material (white)	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	
WTP-1-IM4-1 July 31, 2023	Insulation Material (white)	Water Treatment Plant First Floor Pump Room Electrical Panel - N Wall	ND	
WTP-1-CB1-1 July 31, 2023	**Cement Board**	**Water Treatment Plant First Floor Pump Room Electrical Panel - W Center**	**23% Chrysotile**	**30 panels**
WTP-1-CB2-1 July 31, 2023	Cement Board	Water Treatment Plant First Floor Pump Room Electrical Panel - W Center	ND	
WTP-1-Felt July 31, 2023	Felt	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	

Table 1: Bulk Asbestos Sample Results - 2023 Addendum
Former Anacortes Water Treatment Plant and Sedimentation Basins
14489 River Bend Road
Mount Vernon, Washington

Sample ID Sample Date	Material Description (color)	Sample Location	Asbestos (in Percent)	Material Quantity (if ACM)
WTP-1-Misc July 31, 2023	Transformer Wrap	Water Treatment Plant First Floor Pump Room Electrical Panel - E Wall	ND	

ACM = Asbestos-Containing Material
L: = Layer
ND = Non-Detect
ft^2 = square feet
lf = linear feet

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: WTP

Batch #: 2312040.00
Client Project #: WTP
Date Received: 8/1/2023
Samples Received: 8
Samples Analyzed: 8
Method: EPA/600/R-93/116

Lab ID: 23072713 **Client Sample #: WTP-1-IM1-1**
Location: WTP

Layer 1 of 1 **Description:** Beige ceramic brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder, Fine particles, Fine grains	None Detected ND	None Detected ND

Lab ID: 23072714 **Client Sample #: WTP-1-IM2-1**
Location: WTP

Layer 1 of 1 **Description:** White ceramic brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder, Fine particles, Fine grains	None Detected ND	None Detected ND

Lab ID: 23072715 **Client Sample #: WTP-1-IM3-1**
Location: WTP

Layer 1 of 1 **Description:** White ceramic brittle material with debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Ceramic/Binder, Fine particles, Fine grains	None Detected ND	None Detected ND
Debris		

Lab ID: 23072716 **Client Sample #: WTP-1-IM4-1**
Location: WTP

Layer 1 of 1 **Description:** Light brown compressed fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 77%	None Detected ND

Lab ID: 23072717 **Client Sample #: WTP-1-CB1-1**
Location: WTP

Sampled by: Client

Analyzed by: Hilary Crumley **Date:** 08/01/2023

DRAFT

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

Bulk Asbestos Fibers Analysis

By Polarized Light Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: WTP

Batch #: 2312040.00
Client Project #: WTP
Date Received: 8/1/2023
Samples Received: 8
Samples Analyzed: 8
Method: EPA/600/R-93/116

Layer 1 of 1 **Description:** Black asphaltic brittle material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Asphalt/Binder, Asphaltic Particles, Fine particles	None Detected ND	Chrysotile 23%

Lab ID: 23072718 **Client Sample #: WTP-1-CB2-1**
Location: WTP

Layer 1 of 1 **Description:** Black compressed fibrous material with black surface

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Cellulose 75%	None Detected ND

Lab ID: 23072719 **Client Sample #: WTP-1-Felt**
Location: WTP

Layer 1 of 1 **Description:** Black fibrous material

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles	Synthetic fibers 93%	None Detected ND

Lab ID: 23072722 **Client Sample #: WTP-1-Misc**
Location: WTP

Layer 1 of 1 **Description:** White fibrous mesh with clear coating and debris

Non-Fibrous Materials:	Other Fibrous Materials:%	**Asbestos Type: %**
Binder/Filler, Fine particles, Debris	Glass fibers 77%	None Detected ND

Sampled by: Client

Analyzed by: Hilary Crumley **Date:** 08/01/2023

DRAFT

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using both EPA 600/R-93/116 and EPA 40 CFR Appendix E to Subpart E of Part 763 with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

ASBESTOS LABORATORY SERVICES

NVL

Company EMB Consulting, LLC
Address 22725 44th Ave W. #203
Mountlake Terrace, WA 98043
Project Manager Ms. Elisabeth Black
Phone (206) 915-2395

NVL Batch Number **2312040.00**
TAT 1 Hr **AH** No
Rush TAT
Due Date 8/1/2023 **Time** 10:35 AM
Email emblackconsult@gmail.com
Fax

Project Name/Number: WTP **Project Location:** WTP

Subcategory PLM Bulk
Item Code ASB-02 EPA 600/R-93-116 Asbestos by PLM <bulk>

Total Number of Samples 8 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23072713	WTP-1-IM1-1		A
2	23072714	WTP-1-IM2-1		A
3	23072715	WTP-1-IM3-1		A
4	23072716	WTP-1-IM4-1		A
5	23072717	WTP-1-CB1-1		A
6	23072718	WTP-1-CB2-1		A
7	23072719	WTP-1-Felt		A
8	23072722	WTP-1-Misc		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Hilary Crumley		NVL	8/1/23	935
Analyzed by	Hilary Crumley		NVL	8/1/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 8/1/2023
Time: 9:33 AM
Entered By: Hilary Crumley

2312040

NVL LABORATORIES
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

ASBESTOS CHAIN OF CUSTODY

Turn Around Time
- ☒ 1 Hour (EB) ☐ 24 Hours ☐ 4 Days
- ☐ 2 Hours ☐ 2 Days ☐ 5 Days
- ☐ 4 Hours ☐ 3 Days ☐ 10 Days

Please call for TAT less than 24 Hours

Company: EMB Consulting, LLC
Address: 22725 44th Avenue West, #203 Mountlake Terrace, Washington 98043
206.915.2395
Phone:

Project Manager: Elisabeth Black
Cell: ( ) -
Email: emblackconsult@gmail.com
Fax: ( ) -

Project Name/Number: WTP
Project Location: WTP

- ☐ PCM Air (NIOSH 7400)
- ☐ TEM (NIOSH 7402)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II Modified)
- ☒ PLM (EPA 600/R-93-116)
- ☐ EPA 400 Points (600/R-93-116)
- ☐ EPA 1000Points (600/R-93-116)
- ☐ PLM Gravimetry (600/R-93-116)
- ☐ Asbestos in Vermiculite (EPA 600/R-04/004)
- ☐ Asbestos in Sediment (EPA 1900 Points)
- ☐ Asbestos Friable/Non-Friable (EPA 600/R-93/116)
- ☐ Other

Reporting Instructions
☐ Call ( ) - ☐ Fax ( ) - ☒ Email emblackconsult@gmail.com

Total Number of Samples _____

	Sample ID	Description	A/R
1	WTP-1-IM1-1	Insulation Material	
2	WTP-1-IM2-1	Insulation Material	
3	WTP-1-IM3-1	Insulation Material	
4	WTP-1-IM4-1	Insulation Material	
5	WTP-1-CB1-1	Cement Board	
6	WTP-1-CB2-1	Cement Board	
7	WTP-1-Felt	Felt	
8	WTP-1-Misc	Unknown	
9			
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15			

	Print Name	Signature	Company	Date	Time
Sampled by	Elisabeth Black	E. Black	EMB Consulting	073123	
Relinquish by	Elisabeth Black	E. Black	EMB Consulting	073123	

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	[illegible]	[illegible]	[illegible]	8/1/23	0935
Analyzed by					
Called by					
Faxed/Email by					

City of Anacortes
Former Water Treatment Plant
Mount Vernon, Washington

Asbestos Abatement
Closeout Submittals

September 6, 2023

The following submittals were provided by 3 Kings in accordance with project specification Section 02 82 13 – Asbestos Abatement. These are the final submittals required by the specification. This completes the project requirements for 3 Kings.

See attached:

- Northwest Clean Air Agency – Asbestos/Demolition Notice
- Washington State Department of Labor & Industries – Asbestos Project Notification
- Daily Logs for abatement from July 25, 2023 to August 4, 2023.
- Worker training, medical, and fit test certificates
- Asbestos Waste Shipment Form

Please let me know if you have any questions or need additional information.

Thank you!

E. Black

Elisabeth Black

EMB Consulting, LLC
22725 44th Avenue west, #203 * Mountlake Terrace, Washington 98043
206.915.2395 * emblackconsult@gmail.com

NCAA NOTICE

EMB Consulting, LLC
22725 44th Avenue west, #203 * Mountlake Terrace, Washington 98043
206.915.2395 * emblackconsult@gmail.com

1600 South Second Street
Mount Vernon, WA 98273-5202
ph 360-428-1617
fax 360-428-1620
info@nwcleanairwa.gov
www.nwcleanairwa.gov

Asbestos / Demolition Notification Approval and Permit to Work

Notification #	23-319
Received Date	05/31/2023
Approval Date	05/31/2023
Fee Amount	$ 1,130.00
Receipt #	05827G

Project Site

Water Treatment Facility
14489 River Bend Road
Mount Vernon, WA 98273
Onsite Supervisor Jose Cortes
Supervisor Phone (360) 810-3007

Project Details

Project Type Asbestos removal with demolition

Building Type Other Commercial facility

☐ **Emergency**

Asbestos Project **from** 06/26/2023 **to** 12/26/2023 **Work Schedule** Monday-Friday 7am - 3:30 pm

Estimated Demolition Date 06/26/2023 **Last Amended from** 06/26/2023 **to** 12/26/2023

Square Feet 3,609 **Linear Feet** 2,090

☑ **Survey**

Survey Link [Survey on file with NWCAA]

☐ **Owner Occupied Abatement**

Asbestos Locations Windows, Roofing Drains, Exterior, Kitchen and Electrical Wiring

☐ **Class I** ☑ **Class II** ☐ **Vermiculite** ☑ **Non-friable Fee Exempt Material**

Type of Material Scheduled for Removal

Cement board (CAB), Floor tile (VAT), Mastics, Putty/sealant, Other: Insulator Blocks, Wire Wrap Bundles, Sink Undercoat

Control Methods Water applicator, HEPA vacuum, Decon. area, Negative air machine, Critical barriers, Other: Manual Methods

Owner

Site Owner Jason City of Anacortes
Owner Phone (360) 299-1971

Contractor

3 Kings Environmental
PO Box 280
Battleground, WA 98604

Notification Submitted by Olivia Merritt
Notification Contact Phone (253) 750-4143
Notification Contact Email omerritt@3kingsinc.com

This notification must be posted at the work site.

You must file an amendment if there are any changes to the project scope or schedule.
<http://nwcleanairwa.gov/forms/asbestos-project-amendment/>

Information on asbestos and demolition can be found on the agency website.
<http://nwcleanairwa.gov/permits-and-services/asbestos-and-demolition/>

Asbestos disposal information
<http://nwcleanairwa.gov/download/disposal-information/>

NWCAA asbestos regulations can be found in Section 570 Asbestos Control Standards.
<http://nwcleanairwa.gov/regulation/section-550-590/section-570/>

Generated: 06/08/2023 01:14 PM

L&I NOTICE OF INTENT

EMB Consulting, LLC
22725 44th Avenue west, #203 * Mountlake Terrace, Washington 98043
206.915.2395 * emblackconsult@gmail.com

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Project dates and notice type

Notice date: 05/31/2023

Notice type: Initial

Project dates: 06/26/2023 to 12/26/2023

Work hours

You will work these times:
7:00am to 3:30pm
...on these dates:
Monday, Tuesday, Wednesday, Thursday, and Friday from 6/26/2023 to 12/26/2023

Job site location

Address:
14489 River Bend Road
Mount Vernon , WA 98273

County: Skagit

Building: Water Treatment Facility

Room: Administrative Building

Contractor

3 KINGS ENVIRONMENTAL, INC (BATTLE GROUND)

UBI: 601705284

Certification: ABCN00001318

Phone: 253-750-4143

Contact Email: omerritt@3kingsinc.com

Supervisor: Daniel Garcia

Certification: ABAS00030704

Phone: 360-773-5140

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Property owner

Company: City of Anacortes
Owner's agent: Brian McDaniel
Phone: 360-299-1971
Email: brianm@cityofanacortes.com
Address:
PO Box 547
Anacortes, WA 98221

Facility details

Facility type: Commercial
Construction year: Unknown
Size: 3000 sq. feet
Prior use: Water Treatment Facility
Construction type:
demolition

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Project details

Cement Asbestos Board (CAB) - 252 square feet

Outdoors

Removed

Control measures:

- Critical Barriers
- Hepa Vacuum
- Manual Methods
- Wet methods

Respiratory protection:

- 1/2 mask - Air purifying respirator

Mastic - 3000 square feet

Indoors

Removed

Control measures:

- Critical Barriers
- Hepa Vacuum
- Manual Methods
- Negative pressure enclosure
- Wet methods

Respiratory protection:

- 1/2 mask - Air purifying respirator

Sheet Vinyl - 300 square feet

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045 Submitted: 05/31/2023 at 4:37pm	Completed by: Olivia Merritt

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Negative pressure enclosure

Wet methods

Respiratory protection:

Powered air purifying respirator

Other linear footage: Electrical Wire Wrap Bundles - 2000 linear feet

Indoors

Removed

Control measures:

Critical Barriers

Glove Bags

Hepa Vacuum

Manual Methods

Wet methods

Respiratory protection:

Powered air purifying respirator

Other Square Footage: Electrical Insulation Blocks - 20 square feet

Washington State Department of Labor & Industries

Asbestos Project Notification Form

Form ID: 205462#26718045
Submitted: 05/31/2023 at 4:37pm

Completed by: Olivia Merritt

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Respiratory protection:

1/2 mask - Air purifying respirator

Other linear footage: Cove Base Mastic - 70 linear feet

Indoors

Removed

Control measures:

Critical Barriers

Hepa Vacuum

Manual Methods

Negative pressure enclosure

Wet methods

Respiratory protection:

1/2 mask - Air purifying respirator

DAILY LOGS

EMB Consulting, LLC
22725 44th Avenue west, #203 * Mountlake Terrace, Washington 98043
206.915.2395 * emblackconsult@gmail.com

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 8-9-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	J.V. King	J.V. King
2	Steve Crowe	Steve Crowe	Steve Crowe
3	Joseph Larrow	Joey Larrow	Joey Larrow
4	Alex Bleichner	Alex Bleichner	Alex Bleichner
5	José Cortes	Cortes José	Cortes José
6	Cesar Valdes		
7	Jaime Valdez		
8	Sergio Alderete		
9	Jovany Duarte		
10	Jose Barra		
11	Francisco RS.		
12	Alonzo León	Alonzo León	Alonzo León
13	BARNABY WEST		
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Project Supervisors Signature_____

Safety - By signing this document you are agreeing that no accident or incident regarding any type of injury occurred on this day while on this project. If an injury or accident occurred, it is your responsibility to report such incident to the Supervisor onsite immediately. Please specify the incident if applicable and aquire the appropriate Safety Forms from the Supervisory onsite, the Safety Office or office immediately.This form is not reflective of hours worked on an employee's shift - see timesheets for hours worked.

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 8-8-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	T.V. King	T.V. King
2	Steve Crowe	Steve Crowe	Steve Crowe
3	José Cortés	Cortés José	Cortés José
4	Joseph Larrow	Joey Larrow	Joey Larrow
5	Cesar Valdes		
6	Jaime Valdez		
7	Sergio Alcazaba		
8	Jovany Duarte		Jovany Duarte
9	Jose Barra	Jose Barra	Jose Barra
10	Francisco R		
11	Alonzo Leon	Alonzo Leon	Alonzo Leon
12	Alex Bleeker		
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Project Supervisors Signature_____

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3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 8-7-23

JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Alonzo Leon	Alonzo León	Alonzo León
2	Thomas King	J. V. King	J V. King
3	Steve Crooke	Steve Crooke	Steve Crooke
4	Joseph Carrow	Joseph Carrow	Joseph Carrow
5	José Cortes	Cortes José	Cortes José
6	Cesar Valdes		
7	Jaime Valdez		
8	Jovany Duarte		
9	Sergio Alcazaba		
10	Alex Bleichner	Alex Bleichner	Alex Bleichner
11	Francisco PS		
12	Jack Barca	Jack Barca	Jack Barca
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Project Supervisors Signature_____

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3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 8-3-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	T. V. King	T. V. King
2	Steve Crowe	Steve Crowe	Steve Crowe
3	Jose Cortes	Cortes Jose	Cortes Jose
4	Alex Bleichner	Alex Bleichner	Alex Bleichner
5	Jose Banuelos	Jose Banuelos	Jose Banuelos
6	Francisco Ls		Francisco Ls
7	Dovanny Duarte		
8	Sergio Alcazaba		
9	Jaime Valdez		
10	Cesar Valdes		
11	Alonzo Leon	Alonzo Leon	Alonzo Leon
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3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 8-2-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	J.V. King	J.V. King
2	Steve Crowe	Steve Crowe	Steve Crowe
3	José Cortes	Cortes José	Cortes José
4	Cesar Valdez		
5	Jaime Valdez		
6	Francisco R		
7	Sergio Aldazabal	X	
8	Jose Barron	Jose Barron	Jose Barron
9	Jovany Duarte	X	
10	Alex Bleichner		
11	Alonzo León	Alonzo León	Alonzo León
12	Jake Gary	Jake Gary	Jake Gary
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Project Supervisors Signature_____

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3 KINGS
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DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 8-1-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	T.V. King	T.V. King
2	Steve Crowe	Steve Crowe	Steve Crowe
3	Cesar Cortes	Cortes Cesar	Cortes Cesar
4	Alex Bleichner	Alex Bleichner	Alex Bleichner
5	Cesar Valdez		
6	Jaime Valdez		
7	Sergio Alcazaba		
8	Jonathan Duarte		
9	Francisco R		
10	Jake Barron	Jake Barron	Jake Barron
11	Alonzo Leon	Alonzo Leon	
12	Ray Billedeaux	Ray Billedeaux	Ray Billedeaux
13	Jake Gary	Jake Gary	Jake Gary
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Project Supervisors Signature_____

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3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 7-31-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Steve Crowe	Steve Crowe	Steve Crowe
2	Thomas King	J.V. King	J.V. King
3	Jose Cortes	Cortes Jose	Cortes Jose
4	Alex Bleichner	Alex Bleichner	Alex Bleichner
5	Cesar Valdes		
6	JAIME VALDEZ		
7	Sergio Alcazaba		
8	Francisco RS		
9	Jose Barcia	Jose Barcia	Jose Barcia
10	Alonzo León	Alonzo León	Alonzo León
11	Jason Hawks		
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3 KINGS
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DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 7-27-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Steve Crowe	Steve Crowe	Steve Crowe
2	Alex Bleichner	Alex Bleichner	Alex Bleichner
3	Jose Cortes	Cortes Jose	Cortes Jose
4	Cesar Valdes		
5	Jose Barron	Jose Barron	Jose Barron
6	Sergio Aldazabal		
7	Francisco R-S-		
8	Jovany Duarte		
9	Thomas King	J.V. King	J.V. King
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3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 7-26-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	T. V. King	T. V. King
2	José Cortés	Cortés José	Cortés José
3	Steve Crowe	Steve Crowe	Steve Crowe
4	Alex Bleichner	Alex Bleichner	Alex Bleichner
5	Cesar Valdes		
6	Jose Barron	Jose Barron	Jose Barron
7	Francisco Ramirez		
8	Sergio Aldazabal		
9	Jovany Duarte		
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Project Supervisors Signature_____

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3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

DAILY PROJECT ATTENDANCE / VISITOR LOG

DATE: 7-25-23 JOB #/NAME: 223060- Anacortes Water Treatment Facility Demolition

	NAME	SIGN IN	SIGN OUT
1	Thomas King	T.V. K	T.V. K
2	Steve Crowe	Steve Crowe	Steve Crowe
3	Cesar Valdes	CV	CV
4	Alex Bleichner	Alex Bleichner	Alex Bleichner
5	José Cortes	Cortes José	Cortes José
6	Sergio Alcazaba	Sergio Alcazaba	Sergio Alcazaba
7	Jose Barron	Jose Barron	Jose Barron
8	Jovany		Jovany Durte
9	Francisco Ramirez	FRS	Francisco RS
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Project Supervisors Signature_____

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DAILY PROJECT TIME SHEET

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO — 25 YEARS

Date: 8-04-23

Job #: 223060

Job Name: Water Treatment Facility

Certified/PW: Yes [ ] No [X]

Union: Yes [ ] No [X]

Local: 737 [ ] 242 [ ]

737-R [ ]

Amended Schedule: Yes [X] No [ ]

	Employee Name	Work Classification	Phase	Phase	Phase	Phase	Total Hrs	Perdiem	Signature
					1-Shop				
1	Jose Cortes	P2			2		2	N/A	Cortes Jose
2									
3									
4									
5									
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Your signature on this timesheet acknowledge and certify the hours listed are accurate and these hours are for all hours worked, including shop/drive/load time, both on and off site. Time sheets must be turned in by 8:00 am the following day with PM approval, or they may not be processed. By signing, you agree no accident/incident regarding any type of injury occured during this payroll period. It is your responsibility to report such incident to your Supervisor immediately. Please specify the incident if applicable and acquire appropriate safety forms from your Supervisor, Safety Officer, or Office immediately. *(See employee manual with any questions regarding safety procedures.)*

Worker Classifications					
PW ACM Supervisor	4B	Union ACM Supervisor	U4B	Base Wage Supervisor	P2
PW ACM Worker	4A	Union ACM Worker	U4A	Base Wage Worker	P1

Supervisor Name: José Cortés

Supervisor Signature: Cortes Jose

PM Name: Jason jason hawks

PM Signature: Emily Weiss

Abatement Daily Field Log

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO

Project Information		Date and Reported By	
Project Number:	223060	Date:	8-04-23
Project Name:	Water treatment facility	Supervisor:	José Cortés
Location:	Anacortes WA	Signature:	Cortés José

Daily Activity Notes

8 am I arrived at the shop to unload the truck because I brought all the asbestos garbage 10:15 am I finished and went with Daniel to test the masks

Daily Tasks	Yes	No	N/A
Air Monitoring Conducted	✓		
Air Monitoring Data Posted		✓	
Manometer Setup and Used			✓
Safety Meeting Conducted	✓		
Engineering Controls Used	✓		
Asbestos Certs Current	✓		
Asbestos Certs Onsite	✓		
Inventory Transfer Completed	✓		
SSHASP on site and reviewed	✓		
Abatement Workplan Onsite	✓		
Project Photos Taken Today		✓	
Permits Onsite and Current	✓		
Job Site Left Secured			
All Equipment Accounted For	✓		
Any Equip. Or Mat. Left Onsite		✓	
ACM Survey Onsite	✓		
ASN 4 Completed	✓		
Any Client Issues or Concerns		✓	
Any Damages Noted		✓	
Is Project 100% complete		✓	

Extra Work Performed? ☐ Yes ☐ No ☐ EWO Signed By Client

EWO #	Describe Work Performed:
EWO #	Describe Work Performed:

Were there and incidents? ☐ Yes ☐ No if yes, explain and submit incident reports

Site Checklist

☐ SDS	✓ Site Inspection	✓ Tools Checked	✓ 1/2 Mask	☐ NPE	✓ Water Avail.	☐ PPE
☐ GFCI	✓ Rotometer	✓ Warning Signs	☐ Full Mask	✓ Criticals	✓ Physicals	✓ Fit Test

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Project Safety Meeting

Date: 8-04x-23 Project #: 223060 Project Name: Water treatment facility

Project Supervisor: José Cortés Client Name: _____

Safety Meeting Topics

Safety Hazard Addressed	Precautions, PPE, Potential Occurrences
Phase 1 construction restart COVID-19 jobsite workplan reviewed by all & ATTACHMENT A signed by each person onsite (see below). Supervisor assigned as COVID-19 Site Supervisor responsible to monitor compliance of items including hygience, social distancing 6' and safety updates, including taking daily temp and asking about wellness. Sick employees or those exposed to family members with symptoms will stay home, if feeling sick at work employees will be sent home.	
PPE	- Wear gloves, Safety glasses, work boots,
	Hard Hat, Safety Vest, Ear plugs if need it.
WATER	- Wet Method Process all the time
WASTE BAGS WEIGHT	- Don't go over 40 pounds in every bag.
RESPIRATOR	- Wear half mask all the time in containment.
HOUSEKEEPING	- Keep clean work area all the time.
	If anyone expired: cough,Fiber, Tiredness, or Difficult breathing STAY AT HOME.

Personnel Attending Meeting

Name: Cortés José Name: _____

Other Trades/Contractors Attending Meeting

Name: _____ Name: _____

DAILY PROJECT TIME SHEET

Date: 8-03-23

Job #: 223060

Job Name: Water Treatment Facility

Certified/PW: Yes [X] No [ ]

Union: Yes [ ] No [X]

Local: 737 [ ] 242 [ ]

737-R [ ]

Amended Schedule: Yes [X] No [ ]

	Employee Name	Work Classification	Phase 2	Phase 1-Travel	Phase	Phase	Total Hrs	Perdiem	Signature
1	Jose Cortes	4B	10	5			15	N/A	Cortés José
2	Jose Barron	4A	10	5			15		Jose Barron
3	Francisco Ramírez	4A	10	5			15		Francisco Ramírez
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Your signature on this timesheet acknowledge and certify the hours listed are accurate and these hours are for all hours worked, including shop/drive/load time, both on and off site. Time sheets must be turned in by 8:00 am the following day with PM approval, or they may not be processed. By signing, you agree no accident/incident regarding any type of injury occured during this payroll period. It is your responsibility to report such incident to your Supervisor immediately. Please specify the incident if applicable and acquire appropriate safety forms from your Supervisor, Safety Officer, or Office immediately. *(See employee manual with any questions regarding safety procedures.)*

Worker Classifications					
PW ACM Supervisor	4B	Union ACM Supervisor	U4B	Base Wage Supervisor	P2
PW ACM Worker	4A	Union ACM Worker	U4A	Base Wage Worker	P1

Supervisor Name: José Cortés

Supervisor Signature: Cortés José

PM Name: Jason jason hawks

PM Signature: Emily Weiss

Abatement Daily Field Log

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO

Project Information		Date and Reported By	
Project Number:	223060	Date:	8-03-23
Project Name:	Water treatment facility	Supervisor:	José Cortés
Location:	Anacortes WA	Signature:	Cortés José

Daily Activity Notes

650am we went to go sign in and then Tom did the drafty meeting 715 we started to prep the area off the paneles meanwhile we waited for the air lady so she can tell us how we would be working with the paneles and around 830am she arrived we started to remove the paneles for the windows 1140am we finished removing the paneles and the asked me where we would be throwing it Away i said we were going to wrap it until further noticed from Daniel and they said it was fine 12 we finished and she went up to check then we went to lunch and came back at 1230pm we started to prepare the part where we would be removing the paint 515pm we started to repare so we can finish the day and go sign our way out

Daily Tasks

Daily Tasks	Yes	No	N/A
Air Monitoring Conducted	✓		
Air Monitoring Data Posted		✓	
Manometer Setup and Used			✓
Safety Meeting Conducted	✓		
Engineering Controls Used	✓		
Asbestos Certs Current	✓		
Asbestos Certs Onsite	✓		
Inventory Transfer Completed	✓		
SSHASP on site and reviewed	✓		
Abatement Workplan Onsite	✓		
Project Photos Taken Today		✓	
Permits Onsite and Current	✓		
Job Site Left Secured			
All Equipment Accounted For	✓		
Any Equip. Or Mat. Left Onsite		✓	
ACM Survey Onsite	✓		
ASN 4 Completed	✓		
Any Client Issues or Concerns		✓	
Any Damages Noted		✓	
Is Project 100% complete		✓	

Extra Work Performed? ☐ Yes ☐ No ☐ EWO Signed By Client

EWO #	Describe Work Performed:
EWO #	Describe Work Performed:

Were there and incidents? ☐ Yes ☐ No if yes, explain and submit incident reports

Site Checklist

☐ SDS	✓ Site Inspection	✓ Tools Checked	/ 1/2 Mask	☐ NPE	✓ Water Avail.	☐ PPE
☐ GFCI	✓ Rotometer	✓ Warning Signs	☐ Full Mask	✓ Criticals	✓ Physicals	✓ Fit Test

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Project Safety Meeting

Date: 8-03-23 Project #: 223060 Project Name: Water treatment facility

Project Supervisor: José Cortés Client Name: _____

Safety Meeting Topics

Safety Hazard Addressed	Precautions, PPE, Potential Occurrences
Phase 1 construction restart COVID-19 jobsite workplan reviewed by all & ATTACHMENT A signed by each person onsite (see below). Supervisor assigned as COVID-19 Site Supervisor responsible to monitor compliance of items including hygience, social distancing 6' and safety updates, including taking daily temp and asking about wellness. Sick employees or those exposed to family members with symptoms will stay home, if feeling sick at work employees will be sent home.	
PPE	- Wear gloves, Safety glasses, work boots,
	Hard Hat, Safety Vest, Ear plugs if need it.
WATER	- Wet Method Process all the time
WASTE BAGS WEIGHT	- Don't go over 40 pounds in every bag.
RESPIRATOR	- Wear half mask all the time in containment.
HOUSEKEEPING	- Keep clean work area all the time.
	If anyone expired: cough,Fiber, Tiredness, or Difficult breathing STAY AT HOME.

Personnel Attending Meeting

Name: Cortés José
Figueroa RS
Jon Dunn

Name: _____

Other Trades/Contractors Attending Meeting

Name: _____

Name: _____

Job Name:	Water treatment facility
Job #:	223060
COVID-19 Supervisor:	
Date:	8-03-23

Daily temperature and COVID-19 symptoms questionnaire

1) Temperature: Any worker with a temperature of 100.4*F or higher is considered to have a fever and must be sent home.

2) Inform Your Supervisor: Do you have a sick family member at home with COVID-19? If you do, you must follow the isolation/quarantine requirements as established by the State Department of Health.

3) Daily Questionnaire: Do you have a fever, cough, shortness of breath, fatigue, muscle aches, or new loss of taste or smell? Inform your supervisor if you develop these symptoms during your shift.

4) Feeling Safe / Resources: If you do not believe it is safe to work, please remove yourself from the worksite and ask about resources that may be avaiable from the Families First Coronavirus Response Act

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

Name:	Temperature:
Known exposure to someone sick? YES or NO	Experiencing symtoms? YES or NO

DAILY PROJECT TIME SHEET

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO — 25 YEARS

Date: 8-02-23

Job #: 223060

Job Name: Water Treatment Facility

Certified/PW: Yes [X] No [ ]

Union: Yes [ ] No [X]

Local: 737 [ ] 242 [ ]

737-R [ ]

Amended Schedule: Yes [X] No [ ]

	Employee Name	Work Classification	Phase 2	Phase	Phase	Phase	Total Hrs	Perdiem	Signature
1	Jose Cortes	4B	10				10	N/A	Cortés José
2	Jose Barron	4A	10				10		Jose Barron
3	Francisco Ramírez	4A	10				10		Francisco Ramírez
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Your signature on this timesheet acknowledge and certify the hours listed are accurate and these hours are for all hours worked, including shop/drive/load time, both on and off site. Time sheets must be turned in by 8:00 am the following day with PM approval, or they may not be processed. By signing, you agree no accident/incident regarding any type of injury occured during this payroll period. It is your responsibility to report such incident to your Supervisor immediately. Please specify the incident if applicable and acquire appropriate safety forms from your Supervisor, Safety Officer, or Office immediately. *(See employee manual with any questions regarding safety procedures.)*

Worker Classifications					
PW ACM Supervisor	4B	Union ACM Supervisor	U4B	Base Wage Supervisor	P2
PW ACM Worker	4A	Union ACM Worker	U4A	Base Wage Worker	P1

Supervisor Name: José Cortés

Supervisor Signature: Cortés José

PM Name: Jason jason hawks

PM Signature: Emily Weiss

Abatement Daily Field Log

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO

Project Information		Date and Reported By	
Project Number:	223060	Date:	8-02-23
Project Name:	Water treatment facility	Supervisor:	José Cortés
Location:	Anacortes WA	Signature:	Cortés José

Daily Activity Notes

650am we went to sign and Tom did the safety meeting we went inside to remove the boxes paneles are and we started to work and around 12pm we went to lunch and came back at1230pm to continued removing the boxes of asbestos and the paneles and we finished at 5pm and we started getting the bags and trash out to the trick then 520pm we went to sign with Tom

Daily Tasks	Yes	No	N/A
Air Monitoring Conducted	✓		
Air Monitoring Data Posted		✓	
Manometer Setup and Used			✓
Safety Meeting Conducted	✓		
Engineering Controls Used	✓		
Asbestos Certs Current	✓		
Asbestos Certs Onsite	✓		
Inventory Transfer Completed	✓		
SSHASP on site and reviewed	✓		
Abatement Workplan Onsite	✓		
Project Photos Taken Today		✓	
Permits Onsite and Current	✓		
Job Site Left Secured			
All Equipment Accounted For	✓		
Any Equip. Or Mat. Left Onsite		✓	
ACM Survey Onsite	✓		
ASN 4 Completed	✓		
Any Client Issues or Concerns		✓	
Any Damages Noted		✓	
Is Project 100% complete		✓	

Extra Work Performed? ☐ Yes ☐ No ☐ EWO Signed By Client

EWO #	Describe Work Performed:
EWO #	Describe Work Performed:

Were there and incidents? ☐ Yes ☐ No if yes, explain and submit incident reports

Site Checklist

☐ SDS	☑ Site Inspection	☑ Tools Checked	☑ 1/2 Mask	☐ NPE	☑ Water Avail.	☐ PPE
☐ GFCI	☑ Rotometer	☑ Warning Signs	☐ Full Mask	☑ Criticals	☑ Physicals	☑ Fit Test

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Project Safety Meeting

Date: 8-02-23 Project #: 223060 Project Name: Water treatment facility

Project Supervisor: José Cortés Client Name: _____

Safety Meeting Topics

Safety Hazard Addressed	Precautions, PPE, Potential Occurrences
Phase 1 construction restart COVID-19 jobsite workplan reviewed by all & ATTACHMENT A signed by each person onsite (see below). Supervisor assigned as COVID-19 Site Supervisor responsible to monitor compliance of items including hygience, social distancing 6' and safety updates, including taking daily temp and asking about wellness. Sick employees or those exposed to family members with symptoms will stay home, if feeling sick at work employees will be sent home.	
PPE	- Wear gloves, Safety glasses, work boots,
	Hard Hat, Safety Vest, Ear plugs if need it.
WATER	- Wet Method Process all the time
WASTE BAGS WEIGHT	- Don't go over 40 pounds in every bag.
RESPIRATOR	- Wear half mask all the time in containment.
HOUSEKEEPING	- Keep clean work area all the time.
	If anyone expired: cough,Fiber, Tiredness, or Difficult breathing STAY AT HOME.

Personnel Attending Meeting

Name: Cortés José
Figueroa RS
Jon Dunn

Name: _____

Other Trades/Contractors Attending Meeting

Name: _____

Name: _____

DAILY PROJECT TIME SHEET

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO — 25 YEARS

Date: 8-01-23

Job #: 223060

Job Name: Water Treatment Facility

Certified/PW: Yes [X] No [ ]

Union: Yes [ ] No [X]

Local: 737 [ ] 242 [ ]

737-R [ ]

Amended Schedule: Yes [X] No [ ]

	Employee Name	Work Classification	Phase 2	Phase	Phase	Phase	Total Hrs	Perdiem	Signature
1	Jose Cortes	4B	10				10	N/A	Cortés José
2	Jose Barron	4A	10				10		Jose Barron
3	Francisco Ramírez	4A	10				10		Francisco R.S
4									
5									
6									
7									
8									
9									
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11									
12									
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15									
16									
17									
18									

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Worker Classifications					
PW ACM Supervisor	4B	Union ACM Supervisor	U4B	Base Wage Supervisor	P2
PW ACM Worker	4A	Union ACM Worker	U4A	Base Wage Worker	P1

Supervisor Name: José Cortés

Supervisor Signature: Cortés José

PM Name: Jason jason hawks

PM Signature: Emily Weiss

Abatement Daily Field Log

3 KINGS ENVIRONMENTAL • EXCAVATING • DEMO

Project Information		Date and Reported By	
Project Number:	223060	Date:	8-01-23
Project Name:	Water treatment facility	Supervisor:	José Cortés
Location:	Anacortes WA	Signature:	Cortés José

Daily Activity Notes

650am we. arrived to worked sign like every morning Tom deos the safety meeting Tom asked me that he needed 2 people and i only went with Francisco and Jose to prepare meanwhile the give us the results of the clearing so we can start removing the other room 1130am the air called me. That the results came in and i can start removing 12pm we went to lunch came back at 1230pm we started connecting the negatives 520pm we went to go disconnect and to go sign to finish the day

Daily Tasks	Yes	No	N/A
Air Monitoring Conducted	✓		
Air Monitoring Data Posted		✓	
Manometer Setup and Used			✓
Safety Meeting Conducted	✓		
Engineering Controls Used	✓		
Asbestos Certs Current	✓		
Asbestos Certs Onsite	✓		
Inventory Transfer Completed	✓		
SSHASP on site and reviewed	✓		
Abatement Workplan Onsite	✓		
Project Photos Taken Today		✓	
Permits Onsite and Current	✓		
Job Site Left Secured			
All Equipment Accounted For	✓		
Any Equip. Or Mat. Left Onsite		✓	
ACM Survey Onsite	✓		
ASN 4 Completed	✓		
Any Client Issues or Concerns		✓	
Any Damages Noted		✓	
Is Project 100% complete		✓	

Extra Work Performed? ☐ Yes ☐ No ☐ EWO Signed By Client

EWO #	Describe Work Performed:
EWO #	Describe Work Performed:

Were there and incidents? ☐ Yes ☐ No if yes, explain and submit incident reports

Site Checklist

☐ SDS	✓ Site Inspection	✓ Tools Checked	/ 1/2 Mask	☐ NPE	✓ Water Avail.	☐ PPE
☐ GFCI	✓ Rotometer	✓ Warning Signs	☐ Full Mask	✓ Criticals	✓ Physicals	✓ Fit Test

3 KINGS
ENVIRONMENTAL • EXCAVATING • DEMO

Project Safety Meeting

Date: 8-01-23 Project #: 223060 Project Name: Water treatment facility

Project Supervisor: José Cortés Client Name: _____

Safety Meeting Topics

Safety Hazard Addressed	Precautions, PPE, Potential Occurrences
Phase 1 construction restart COVID-19 jobsite workplan reviewed by all & ATTACHMENT A signed by each person onsite (see below). Supervisor assigned as COVID-19 Site Supervisor responsible to monitor compliance of items including hygience, social distancing 6' and safety updates, including taking daily temp and asking about wellness. Sick employees or those exposed to family members with symptoms will stay home, if feeling sick at work employees will be sent home.	
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WATER	- Wet Method Process all the time
WASTE BAGS WEIGHT	- Don't go over 40 pounds in every bag.
RESPIRATOR	- Wear half mask all the time in containment.
HOUSEKEEPING	- Keep clean work area all the time.
	If anyone expired: cough,Fiber, Tiredness, or Difficult breathing STAY AT HOME.

Personnel Attending Meeting

Name: Cortés José
Jose Benavides
Francisco Ruiz.

Name: _____

Other Trades/Contractors Attending Meeting

Name: _____ Name: _____

WORKER TRAINING, MEDICAL, AND FIT TEST CERTIFICATES

EMB Consulting, LLC
22725 44th Avenue west, #203 * Mountlake Terrace, Washington 98043
206.915.2395 * emblackconsult@gmail.com

Washington State Department of Labor & Industries (https://lni.wa.gov/)

Contractors

CORTES, JOSE A

Owner or tradesperson **CORTES, JOSE A**
Doing business as
CORTES, JOSE A

PORTLAND, **OR 97266**

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Supervisor

Active
Meets current requirements.

License no.
ABAS00034814
Effective — expiration
07/27/2016— 03/05/2024

Continuing education
Course title
Supervisor Refresher

Completed
01/26/2023

Course code
WA2003-2

Affidavit hours
No affidavit hours reported.

Washington State Department of Labor & Industries (https://lni.wa.gov/)

Contractors

Ramirez Soto, Francisco J

Owner or tradesperson **Ramirez Soto, Francisco J**

MCMINNVILLE, **OR 97128**

Doing business as
Ramirez Soto, Francisco J

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Worker

Active
Meets current requirements.

License no.
ABAW00038940

Effective — expiration
10/01/2021— 07/23/2024

Continuing education

Course title
Worker Refresher

Completed
06/24/2023

Course code
WA2000-17

Affidavit hours
No affidavit hours reported.

Washington State Department of Labor & Industries (https://lni.wa.gov)

Contractors

ALDAZABA CARRERA, SERGIO

Owner or tradesperson **ALDAZABA CARRERA, SERGIO**

PORTLAND, **OR 97233**

Doing business as
ALDAZABA CARRERA, SERGIO

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Supervisor

Active
Meets current requirements.

License no.
ABAS00033561

Effective — expiration
12/24/2014— 10/20/2023

Continuing education

Course title
Supervisor Refresher

Completed
10/20/2022

Course code
WA2003-2

Affidavit hours
No affidavit hours reported.

CERTIFICATE OF TRAINING

Awarded to:

Sergio Aldazaba

For successful completion of the 40-HR Hazardous Waste Operations & Emergency Response Training in accordance with 29 CFR 1910.120 (e) & Global Harmonization System in accordance with 29 CFR 1910.1200

Certificate: 40HR-61523-008

Date: June 15, 2023

Certified in Level A, B, C, D

RON KING
Instructor

FIT TEST REPORT

09/22/2022

ID NUMBER	9311		
LAST NAME	Aldazaba		
FIRST NAME	Sergio		
COMPANY	3 Kings Environmental Inc		
LOCATION			
TEST DATE	08/30/2022 13:38	**PORTACOUNT S/N**	8040213211
DUE DATE	08/30/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	36381	Yes
JOGGING IN PLACE	30	1896	Yes
HEAD SIDE TO SIDE	30	346	Yes
HEAD UP AND DOWN	30	201	Yes
OVERALL FF		476	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Sergio Aldazaba

NOTE:

FIT TEST REPORT

09/27/2022

ID NUMBER	9311
LAST NAME	Aldazaba
FIRST NAME	Sergio
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	08/30/2022 13:24	**PORTACOUNT S/N**	8040213211
DUE DATE	08/30/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	30553	Yes
JOGGING IN PLACE	30	72363	Yes
HEAD SIDE TO SIDE	30	80876	Yes
HEAD UP AND DOWN	30	88703	Yes
OVERALL FF		56990	Yes

FITTEST OPERATOR _____ **DATE** _____

PortaCount

NAME _____ **DATE** _____

Sergio Aldazaba

NOTE:

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Sergio Aldazaba-Cerrera DOB: [redacted]

Last 4 SSN: _____ Job Title: asbestos technician Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)
☒ Half-Mask ☐ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☒ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks
☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use
Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload
☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☐ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations
☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations
This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 8/22/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 8/22/2022 SC
☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

CERTIFICATE OF TRAINING

Awarded to:

Jose Barron

For successful completion of the 40-HR Hazardous Waste Operations & Emergency Response Training in accordance with 29 CFR 1910.120 (e) & Global Harmonization System in accordance with 29 CFR 1910.1200

Certificate: 40HR-61523-010

Date: June 15, 2023

Certified in Level A, B, C, D

RON KING
Instructor

FIT TEST REPORT

01/09/2023

ID NUMBER	1969
LAST NAME	Barron
FIRST NAME	Jose
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:02	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	16577	Yes
JOGGING IN PLACE	30	21054	Yes
HEAD SIDE TO SIDE	30	45070	Yes
HEAD UP AND DOWN	30	26958	Yes
OVERALL FF		23938	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Jose Barron

NOTE:

Salem Occupational Health Clinic
4049 Market St. NE, Salem, Oregon 97301 (503) 362-5242 • Fax (503) 362-6771

Asbestos Examination
Physician's Written Opinion
(Expires one year after exam date)

DATE: 2-1-23

Company: 3 Kings

Employee: Jose Barra

In accordance with the requirements of Section (m) (4) of the OSHA Standard on Asbestos, 29 CFR 1926.58, this written opinion is to certify that:

1. I have examined the above named individual and have determined that this individual [✓] **may** [ ] **may not** use a respiratory protective device while performing his/her required employment duties. (29 CFR 1910.1001 – 1910.1045)

2. The results of this examination [ ] **have** [✓] **have not** detected any medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.

3. In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical conditions resulting from his/her exposure to asbestos.

4. In accordance with State and Federal rules, I have also informed the above named individual of the increased risk of lung cancer attributable to the combined effects of smoking and asbestos exposure.

The complete medical examination report on the above named individual will be maintained in the offices of Salem Occupational Health Clinic and will be made available to other medical authorities as required.

[ ] **Howard Tsang, MD, MPH** [ ] **Curtis Thiessen, MD**

[✓] **Christopher Freeman, PA** [ ] _____

Signature: _____

Washington State Department of Labor & Industries (https://lni.wa.gov)

Contractors

Barron Romero, Jose O

Owner or tradesperson **Barron Romero, Jose O**
MCMINNVILLE, OR 97128

Doing business as
Barron Romero, Jose O

WA UBI No.

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Asbestos Worker

Active
Meets current requirements.

License no.
ABAW00037801

Effective — expiration
10/16/2019— 03/11/2024

Continuing education

Course title
Worker Refresher

Completed
02/04/2023

Course code
WA2000-17

Affidavit hours
No affidavit hours reported.

CERTIFICATE OF TRAINING

PRESENTED TO

Jose Cortes

Having successfully completed 8 hours of instruction in OSHA 29 CFR 1910.120
(Hazardous Waste Operations and Emergency Response) as

GENERAL SITE WORKER REFRESHER

Conducted this 20th day of February, 2023

FIELD ENVIRONMENTAL INSTRUMENTS, INC.

Colton Young
Instructor

FIT TEST REPORT

12/16/2022

ID NUMBER	3860
LAST NAME	Cortes
FIRST NAME	Jose
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	12/16/2022 10:03	**PORTACOUNT S/N**	8040213211
DUE DATE	12/16/2023	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	6773	Yes
JOGGING IN PLACE	30	25879	Yes
HEAD SIDE TO SIDE	30	807	Yes
HEAD UP AND DOWN	30	29388	Yes
OVERALL FF		2742	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Jose Cortes

NOTE:

FIT TEST REPORT

12/16/2022

ID NUMBER	3860		
LAST NAME	Cortes		
FIRST NAME	Jose		
COMPANY	3 Kings Environmental Inc		
LOCATION			
TEST DATE	12/16/2022 09:57	**PORTACOUNT S/N**	8040213211
DUE DATE	12/16/2023	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	23992	Yes
JOGGING IN PLACE	30	34190	Yes
HEAD SIDE TO SIDE	30	13407	Yes
HEAD UP AND DOWN	30	8140	Yes
OVERALL FF		14905	Yes

FITTEST OPERATOR _____ **DATE** _____

TSIINC

NAME _____ **DATE** _____

Jose Cortes

NOTE:

Claim Number:

Concentra Medical Centers

12518 NE Airport Way #110 PORTLAND, OR 97230
Phone: (503) 256-2992 Fax: (503) 258-0717

Service Date: 05/12/2023

Non-Injury Work Status Report

Patient: Cortes, Jose A.
SSN:
Address: 4635 SE 88th Ave
PORTLAND, OR 97266
Home: (503) 810-3007
Work: **Ext.:**

Employer Location: 3 Kings Environmental
Address: PO Box 280
Battle Ground, WA 98604
Auth. by:

Contact: Emily Weiss
Role: Primary Contact
Phone: (360) 666-5464 **Ext.:**
Fax:

This Visit:

Time In: 09:29 am **Time Out:** 12:08 pm **Visit Type:** New

PrePlacement

Asbestos Physical

Asbestos Physical Periodic
OSHA Respirator Questionnaire
Pulmonary Function Test
X-Ray B-Read/Interpretation
X-Ray Chest-2 View

Result Status:

No Status Required

Remarks:

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DEPARTMENT OF LABOR & INDUSTRIES

Certified as provided by Law as:

Asbestos Supervisor

ABAS00034814

Exp Date: 3/5/2024

CORTES, JOSE A

4635 SE 88TH AVE

PORTLAND, OR 97266

CERTIFICATE OF TRAINING

Awarded to:

Jovany Duarte

For successful completion of the 40-HR Hazardous Waste Operations & Emergency Response Training in accordance with 29 CFR 1910.120 (e) & Global Harmonization System in accordance with 29 CFR 1910.1200

Certificate: 40HR-61523-009

Date: June 15, 2023

Certified in Level A, B, C, D

RON KING
Instructor

FIT TEST REPORT

01/09/2023

ID NUMBER	8557		
LAST NAME	Duarte		
FIRST NAME	Jovany		
COMPANY	3 Kings Environmental Inc		
LOCATION			
TEST DATE	01/09/2023 16:46	**PORTACOUNT S/N**	8040213211
DUE DATE	01/09/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	844	Yes
JOGGING IN PLACE	30	3463	Yes
HEAD SIDE TO SIDE	30	741	Yes
HEAD UP AND DOWN	30	1360	Yes
OVERALL FF		1124	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Jovany Duarte

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	8557		
LAST NAME	Duarte		
FIRST NAME	Jovany		
COMPANY	3 Kings Environmental Inc		
LOCATION			
TEST DATE	01/09/2023 16:50	**PORTACOUNT S/N**	8040213211
DUE DATE	01/09/2024	**N95-COMPANION™**	No
RESPIRATOR	3M PowerFlow PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	3M	**PASS LEVEL**	500
MODEL	PowerFlow		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	19454	Yes
JOGGING IN PLACE	30	20427	Yes
HEAD SIDE TO SIDE	30	45393	Yes
HEAD UP AND DOWN	30	90787	Yes
OVERALL FF		29984	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Jovany Duarte

NOTE:

performance
Occupational Health Services

Respirator Clearance

11109 NE 14th St, Ste A, Vancouver, WA 98684
Phone: 360-334-7001 | Fax: 360-450-3357

1118 14th Ave, Longview, WA 98632
Phone: 360-524-3929 | Fax: 360-553-0577

Employee Name: Jovony Duarte DOB: [redacted]

Last 4 SSN: [redacted] Job Title: asbestos worker Employer: 3 Kings

RESPIRATOR REQUIREMENTS

Type of Respirator Required for this Individual (check all that apply)

☐ Half-Mask ☒ Full Face ☐ Escape ☐ N95 ☐ Helmet Hood
☐ Non-Powered Cartridge or Canister ☐ Disposable Filtering Face-Piece ☐ SCBA ☐ PAPR ☐ Supplied Air
☐ Other: _____

Exposure Risks

☒ Dust ☒ Asbestos ☐ Benzene ☐ Lead ☐ Hazardous Waste ☐ Particulate ☐ Smoke
☐ Irritant Fumes ☐ Temperature Extremes ☐ Confined Spaces ☐ TB/COVID ☐ Hexavalent Chromium ☐ Silica
☐ Welding Fumes ☐ Other: _____

Duration/Frequency of use

Hours used: ☐ Training only ☐ Escape Only ☐ < 15 hours/month ☐ < 4 hours/week ☐ < 1 hour/day
☐ 1-4 hours/day ☐ > 4 hours/day ☒ Minimal use ☐ Variable

Workload

☒ Light ☐ Moderate ☐ Heavy ☐ Variable

RESPIRATOR CLEARANCE

Recommendation Based On: ☐ Questionnaire Only ☒ Questionnaire and Physical Exam

Under the conditions described in the above information provided by the employer, this individual
☒ **Is** ☐ **Is NOT** cleared for the use of the respirator(s) without limitation.
☐ **Is** cleared for use **with the following limitations**: _____

Workload Limitations

☒ Unrestricted ☐ Heavy ☐ Medium ☐ Light

Follow-Up Medical Evaluations

This individual ☐ **will**/ ☒ **will not** require additional follow-up medical evaluation(s). The recommended follow-up medical evaluation(s), if necessary, is as follows: _____

VALIDATION AND CERTIFICATION

This recommendation is valid for 1 years, or sooner due to change of job or state of health. Expiration date: 9/20/2023

In accordance with WAC296-62 Part E/29 CFR 1910.134 I certify that the above-named individual is qualified for the recommended respirator with the limitations listed for the above validation time.

Evaluator Signature: Matthew Oxiles, ARNP Date: 9/20/2022 SC

☐ Kimberly S. Waldrep, ARNP ☒ Matthew Oxiles, ARNP
☐ Leanne M. Williams, ARNP

Certificate of Completion

Franicisco J. Ramirez Soto

Has completed the Washington Worker Refresher (Spanish) Asbestos Course, Milwaukie, OR, has passed the exam and satisfied all the AHERA, ASHARA, and TSCA/Title II requirements on June 24, 2023.

Asbestos Training Project
Workplace Resources, Inc.
EPA Provider No. 742
4160 SE International Way, Ste D106
Milwaukie, OR 97222
PO Box 22388, Milwaukie, OR 97269
503-233-7707

Eliud Mendoza, Instructor

Expire Date: June 24, 2024

Certificate No.: ABAW000338940

CERTIFICATE OF TRAINING

Awarded to:

Francisco Ramirez

For successful completion of the 40-HR Hazardous Waste Operations & Emergency Response Training in accordance with 29 CFR 1910.120 (e) & Global Harmonization System in accordance with 29 CFR 1910.1200

Certificate: 40HR-61523-011

Date: June 15, 2023

Certified in Level A, B, C, D

RON KING
Instructor

FIT TEST REPORT

01/09/2023

ID NUMBER	3477
LAST NAME	Ramirez
FIRST NAME	Francisco
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:27	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	north 7700 half face [100]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	north	**PASS LEVEL**	100
MODEL	7700		
RESPIRATOR STYLE	half face	**APPROVAL**	
RESPIRATOR SIZE	Medium	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	180	Yes
JOGGING IN PLACE	30	251	Yes
HEAD SIDE TO SIDE	30	294	Yes
HEAD UP AND DOWN	30	228	Yes
OVERALL FF		231	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Francisco Ramirez

NOTE:

FIT TEST REPORT

01/09/2023

ID NUMBER	3477
LAST NAME	Ramirez
FIRST NAME	Francisco
COMPANY	3 Kings Environmental Inc
LOCATION	

TEST DATE	01/06/2023 10:32	**PORTACOUNT S/N**	8040213211
DUE DATE	01/06/2024	**N95-COMPANION™**	No
RESPIRATOR	North RU6500 PAPR [500]	**PROTOCOL**	OSHA FAST-FULL/HALF FACE
MANUFACTURER	North	**PASS LEVEL**	500
MODEL	RU6500		
RESPIRATOR STYLE	PAPR	**APPROVAL**	
RESPIRATOR SIZE	Medium/Large	**EFFICIENCY<99%**	No

EXERCISE	DURATION (sec)	FIT FACTOR	PASS
BENDING OVER	50	443	No
JOGGING IN PLACE	30	16513	Yes
HEAD SIDE TO SIDE	30	43863	Yes
HEAD UP AND DOWN	30	61924	Yes
OVERALL FF		1699	Yes

FITTEST OPERATOR _____ **DATE** _____

TSI

NAME _____ **DATE** _____

Francisco Ramirez

NOTE:

Salem Occupational Health Clinic
4049 Market St. NE, Salem, Oregon 97301
(503) 362-5242 • Fax (503) 362-6771

Asbestos Examination
Physician's Written Opinion
(Expires one year after exam date)

DATE: 06/21/2023

Company: 3 Kings Environmental

Employee: Fransico Ramirez

In accordance with the requirements of Section (m) (4) of the OSHA Standard on Asbestos, 29 CFR 1926.58, this written opinion is to certify that:

1. I have examined the above named individual and have determined that this individual [✓] **may** [ ] **may not** use a respiratory protective device while performing his/her required employment duties. (29 CFR 1910.1001 – 1910.1045)

2. The results of this examination [ ] **have** [✓] **have not** detected any medical condition which would place the employee at an increased risk of material health impairment from exposure to asbestos.

3. In accordance with OSHA requirements, I have informed the above named individual of the results of his/her medical examination and of any medical conditions resulting from his/her exposure to asbestos.

4. In accordance with State and Federal rules, I have also informed the above named individual of the increased risk of lung cancer attributable to the combined effects of smoking and asbestos exposure.

The complete medical examination report on the above named individual will be maintained in the offices of Salem Occupational Health Clinic and will be made available to other medical authorities as required.

[X] **Howard Tsang, MD, MPH**
[ ] **Curtis Thiessen, MD**
[ ] **Christopher Freeman, PA**
[ ] _____

Signature: _____

Salem Occupational Health Clinic
PO Box 8145, Salem, Oregon 97303
(503) 362-5242 • Fax (503) 362-6771

Respirator Examination
Annual Medical Examiner's Certificate

(Certification expires one year from exam date)

I certify that I have reviewed the OSHA Questionnaire for

Francisco Ramirez

in accordance with OSHA Standards (29 CFR 1910.1001 – 1910.1045), and with knowledge of his/her duties I find him/her **Qualified** under the regulations to wear any respirator (29 CFR 1910.134).

A completed questionnaire for this person is on file in my office at Salem Occupational Health Clinic, 4049 Market St. NE, Salem, Oregon 97301.

Date of Review: 06/21/2023

- [x] **Howard Tsang, MD, MPH**
- [ ] **Curtis Thiessen, MD**
- [ ] **Christopher Freeman, PA**
- [ ] _____

Signature of Physician: _____

EasyOne Air © ndd 2017
V1.14.0 | V1.14.0
Record No. 2473
S/N 1111061

Ramirez, Francisco

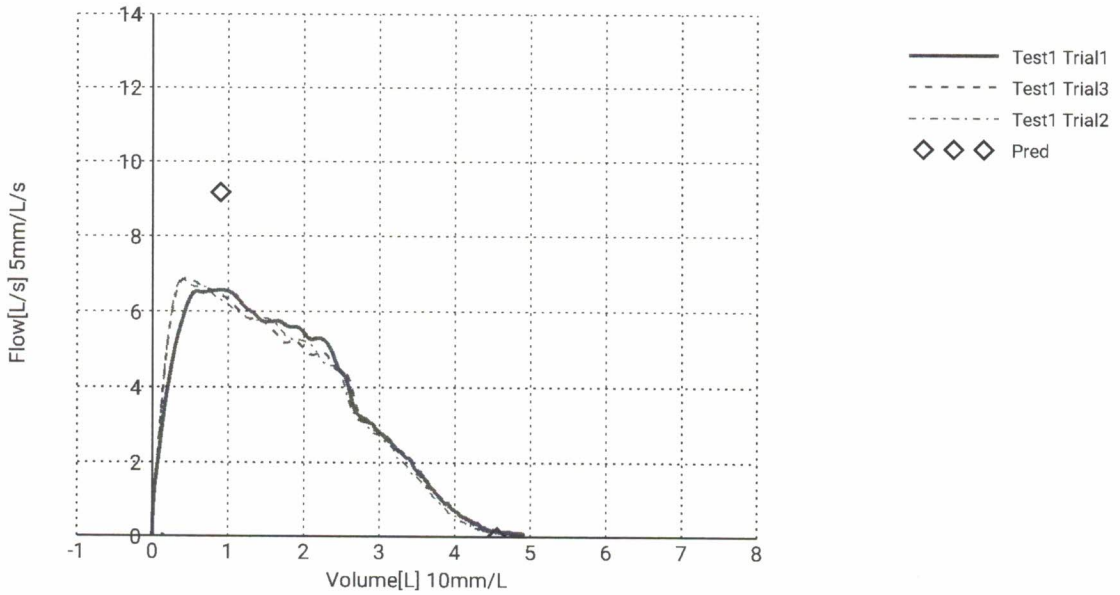
FVC Your FEV1/Predicted: 101.8% Lung Age 35

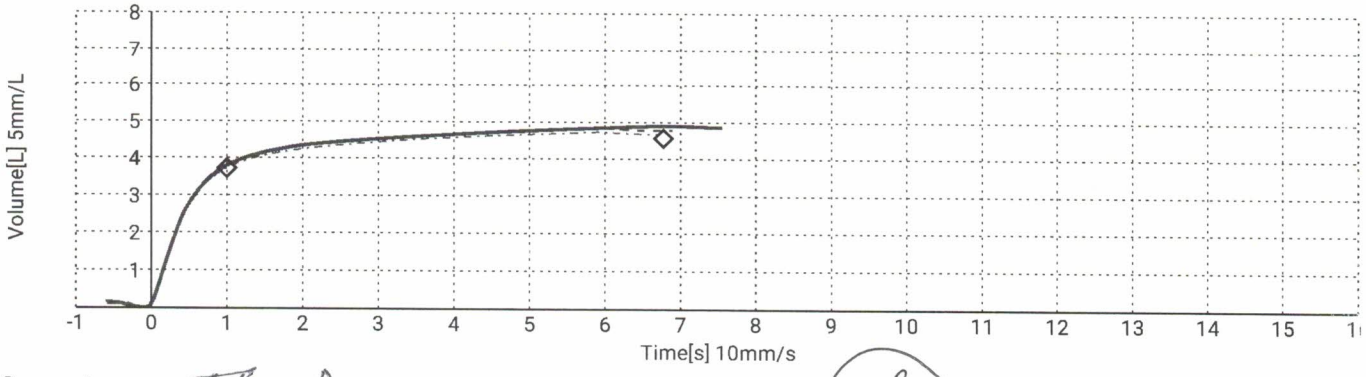
ID	**3477**	Interpretation	**GOLD/Hardie 2008**
Age	**35 Years | 06/03/1988**	Predicted ref.	**NHANES III (Hankinson) 1999**
Height | Weight	**5' 5.0" | 171.0 lb | BMI: 28.5**	Value selection	**Best value**
Ethnic | Gender	**Hispanic | Male**	Tech ID	**admin**
Smoker		Automatic QC	**On**
Asthma status		BTPS In | Ex	**1.10 | 1.02**
COPD status			

Test1 06/21/2023 08:31 AM

Parameter	Pred	LLN	Best	Trial1	Trial3	Trial2	%Pred
FVC[L]	4.56	3.78	4.90	4.90	4.83	4.73	107.5
FEV1[L]	3.72	3.06	3.79	3.79	3.77	3.72	101.8
FEV1/FVC[%]	82.3	73.2	77.3	77.3	78.0	78.7	93.9
FEF2575[L/s]	3.94	2.45	3.42	3.42	3.47	3.47	86.8
PEF[L/s]	9.17	6.88	6.88	LLN ▼6.57	6.88	LLN ▼6.86	75.1
FET[s]			6.77	6.77	6.01	5.95	

FEV1 Var = 16mL 0.4%, FVC Var = 70mL 1.4%
Session quality A
Normal spirometry





Comment

Signature

Certificate of Completion

Franicisco J. Ramirez Soto

Has completed the Washington Worker Refresher (Spanish) Asbestos Course, Milwaukie, OR, has passed the exam and satisfied all the AHERA, ASHARA, and TSCA/Title II requirements on June 24, 2023.

Asbestos Training Project
Workplace Resources, Inc.
EPA Provider No. 742
4160 SE International Way, Ste D106
Milwaukie, OR 97222
PO Box 22388, Milwaukie, OR 97269
503-233-7707

Eliud Mendoza, Instructor

Expire Date: June 24, 2024

Certificate No.: ABAW000338940

ASBESTOS WASTE SHIPMENT FORM

EMB Consulting, LLC
22725 44th Avenue west, #203 * Mountlake Terrace, Washington 98043
206.915.2395 * emblackconsult@gmail.com

State of Oregon
DEQ Department of Environmental Quality

ASN4
Asbestos Waste Shipment Reporting Form

Please Print or Type. If you have questions, contact your local DEQ Regional Office in Portland 503-229-5364, Salem 503-378-5086, Medford 541-776-6107, Coos Bay 541-269-2721 Ext. 222, Bend 541-633-2019, or Pendleton 541-278-4626.

Waste Generator: (Contractor, Facility, or Operator)

1. Asbestos removal site name and address: Water Treatment Facility job #223060

14489 River Bend Road Mount Vernon , WA. 98273
Street City/State County Zip

Contact person: Brian, City of Anacortes Phone: (360) 299-1971

2. Contractor/Operator's name and address: 3kings Environmental inc Phone: 253-750-41243

6319 112 Th St E Puyallup WA Pierce. 98373
Street City/State County Zip

3. Waste disposal site: Wasco County Landfill Phone: 541-296-4082

2550 Steele Rd The Dalles OR Wasco. 97058
Street City/State County Zip

4. Describe asbestos materials: Cove Base Mastic, Electrical insulator blocks, Wire Wrap, Mastic, Roof caulk, Sink undercoat, Vinyl floor covering and 1 window

5. Containers: 405 Number: 157 Type: BA

6. Total quantity (cubic yards): 6 CY

7. **Operator's Certification:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked and labeled, and are in all respects in proper condition for transport according to all government regulations. All movement of this asbestos-containing material is recorded on this Waste Shipment Record Form.

Name: José Cortés Company: 3 kings Environmental inc

Signature: Cortes José Date: 8-04-23

Address: 1205 Grace Ave. Battle Ground, WA 98604 Phone: 360-666-5464

Transporter(s):

8. Transporter #1: (Acknowledgment of receipt of materials)

Agent: José Cortés Company: 3 kings Environmental inc

Address: 1205 Grace Ave. Battle Ground, WA 98604 Phone: 360-666-5464

Signature: Cortes José Date: 8-04-23

9. Transporter #2: (Acknowledgment of receipt of materials)

Agent: _____ Company: _____

Address: _____ Phone: _____

Signature: _____ Date: _____

Disposal: (Certification of receipt of asbestos materials covered by this manifest, except as noted in item 11 below.)

10. Waste Disposal Site: _____

Name and Title: _____ Date: _____

Signature: _____ Phone: _____

11. **Discrepancy Space:** (Add attachments as needed): _____

July 31, 2023

Julia Fitts
Anchor QEA
1605 Cornwall Avenue
Bellingham, WA 98225

RE: ASBESTOS ABATEMENT OVERSIGHT
JULY 25 TO JULY 27, 2023
FORMER ANACORTES WATER TREATMENT PLANT STRUCTURES
Mount Vernon, Washington

EMB Consulting Project #1511

Ms. Fitts,

This letter report summarizes the results of background and perimeter air monitoring for asbestos and oversight of asbestos abatement activities for the former Anacortes Water Treatment Plant structures during the work week of July 24 to 27, 2023.

3 Kings is removing asbestos-containing materials (ACM) identified by EMB Consulting in Asbestos-Containing Material Inspection for Demolition, City of Anacortes Former Water Treatment Plant, Mount Vernon, Washington, dated June 20, 2022 (EMB, 2022). Elisabeth Black, CIH of EMB Consulting conducted air monitoring during 3 Kings abatement and clearance of abated areas.

METHODOLOGY

On July 25 and 26, 2023, Elisabeth Black of EMB Consulting collected perimeter air samples for asbestos at the perimeter or in the vicinity of abatement activities. Air samples were collected in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7400: Asbestos and Other Fibers by PCM. The samples were collected on a 25-mm cellulose ester membrane (MCE) filter cassette with a conductive cowl.

The sampling train was calibrated to a target flow rate of three to four liters per minute using a TSI 4100 Flow Meter. At the completion of the air sampling each day, all samples were capped and stored in a plastic freezer bag. At the end of the week, samples were hand-delivered to NVL Laboratories for analysis by NIOSH Method 7400 (phase contrast microscopy). Air sample results were compared with the EPA asbestos clearance for schools criteria of 0.01 fibers per cubic centimeter of air (f/cc). This criteria is considered a conservative guideline for protection of public health.

In addition, once 3 Kings completed abatement of a specific material, EMB Consulting conducted a visual clearance to verify that all ACM was removed, and the surrounding area was restored to pre-abatement condition.

SUMMARY OF RESULTS

Weekly Activity Log

July 24, 2023
EMB not on Site. Jose Cortes from 3 Kings provided the following list of daily activities.

- 3 Kings mobilized to site for set-up and installed containment and equipment. Conducted selective demolition to prepare for abatement.
- The sink with ACM undercoat in the second level laboratory was abated and wrapped for disposal.

July 25, 2023
EMB is on Site.

- 3 Kings abated roof caulk around drains. EMB monitored upwind and downwind conditions.
- EMB cleared the sink removal.

July 26, 2023
EMB is on Site.

- 3 Kings conducted floor demolition to access ACM mastic and other flooring. EMB monitored the Foyer outside of containment.
- EMB cleared the roof caulk removal.
- EMB conducted background air monitoring in the Electrical Room (ER) where ACM wiring and insulator block will later be abated.
- Jose from 3 Kings states that they are waiting on chemical mastic remover to finish the flooring abatement.
- Jose from 3 Kings states that they are waiting on the availability of negative air equipment for electrical wire abatement.
- 3 Kings states that the plans for the next day (July 27) will be to abate the cement asbestos board (CAB). Jose states that they will have a lift on site to complete that work.

July 27, 2023
EMB is on Site. Jose informs EMB that the lift is not available.

- 3 Kings continues to cleanup flooring on second level.
- 3 Kings begin to remove non-friable insulator block from the ER.
- EMB leaves after there are no new activities with friable ACM to monitor (approximately 9 am).

Perimeter and Clearance Air Monitoring

Abatement perimeter air monitoring results for asbestos are presented in the table below. The laboratory certificate of analysis is attached to this report.

Date - Sample ID	Sample Location Activity	Results (f/cc)	EPA Clearance Criteria (f/cc)
072523-UW	Exterior South Side of Building - Ground Level Upwind (UW) Roof Penetration Abatement	<0.004	0.01
072523-DW	Exterior North Corner of Building - Ground Level Downwind (DW) Roof Penetration Abatement	<0.004	
072623-Foyer	Interior Second Level – Foyer Outside of Containment Flooring Removal	0.002	
072623-ER	Interior First Level – Electrical Room Center Background	0.005	

ND = Not Detected at Laboratory Limits of Quantification

Visual Clearances

The following materials are slated for abatement during this project, as specified in the asbestos inspection (EMB, 2022) and the abatement specification. The date of clearance is included if this area and material have been cleared.

Asbestos-Containing Material	Estimated Quantity for Demolition	Abatement Clearance
Cement Asbestos Board	14 panels each (6' x 3')	
Cove Base Mastic	70 lf	
Electrical Insulator Blocks	80 each	
Electric Wire Wrap Bundles	2,000 lf	
Mastic (from former vinyl floor tiles)	3,000 ft^2	
Roofing Caulk around Drains	20 ft^2	07/26/23 - passed
Sink Undercoat	1 sink	07/25/23 - passed
Vinyl Floor Covering	300 ft^2	
Window Putty	1 window each	

lf linear feet
ft^2 square feet

CONCLUSIONS

Airborne asbestos concentrations at the time of this assessment for the areas monitored were not detected at or above the EPA clearance criteria for schools of 0.01 f/cc. Based on this assessment, for the conditions present during sampling, it does not appear that airborne asbestos was released during abatement activities.

In addition, the roofs where ACM materials was present around drains was cleared, as was the abatement of a sink with ACM undercoat.

LIMITATIONS

Work for this project was performed and this report prepared in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of Anchor QEA for specific application to the referenced site. No other warranty, express or implied, is made. Sampling was limited to the specific conditions and locations presented in this report.

Sincerely,

E. Black

Elisabeth Black
Certified Industrial Hygienist

Attachments:
NVL Laboratories. Batch Number 2311793.00. July 27, 2023.

ANALYTICAL DATA

July 27, 2023

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Asbestos & Other Fiber Analysis; NVL Batch# 2311793.00

Client Project: 1511
Location: Anacortes WTP

Dear Ms. Black,

Enclosed please find test results for the 4 air sample(s) submitted to our laboratory for analysis on 7/27/2023.

Examination of these samples was conducted in accordance with the NIOSH 7400 method. Results are reported in fibers per cubic centimeter (fibers/cc) and in fibers per square millimeter (fibers/mm^2).

The working range for the NIOSH 7400 method is between 100 and 1300 fibers per square millimeter (fibers/mm^2).

Test results not blank corrected unless field blanks were provided.

Samples are archived for two weeks following analysis and will be discarded if not retrieved by the client after that period.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes WTP

Batch #: 2311793.00
Method: NIOSH 7400
Client Project #: 1511
Date Received: 7/27/2023
Samples Received: 4
Samples Analyzed: 4

Lab ID: 23071451 **Client's Sample #: 072523-UW** Date sampled: 7/25/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
738.5		min 0.052 max 0.678	**1.5 / 100**	<7.0	0.004	**<0.004**

Lab ID: 23071452 **Client's Sample #: 072523-DW** Date sampled: 7/25/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
752.5		min 0.051 max 0.665	**2 / 100**	<7.0	0.004	**<0.004**

Lab ID: 23071453 **Client's Sample #: 072623-Foyer** Date sampled: 7/26/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
1678		min 0.023 max 0.298	**7 / 100**	8.9	0.002	**0.002**

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385

Sampled by: Client
Analyzed by: Rachelle Miller Date Analyzed: 07/27/2023
Reviewed by: Nick Ly Date Issued: 07/27/2023

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 3: 14 June 2019). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Intralaboratory (Sr) Values are as follows: Low(0.34); Medium(0.25); High (0.13);

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: Anacortes WTP

Batch #: 2311793.00
Method: NIOSH 7400
Client Project #: 1511
Date Received: 7/27/2023
Samples Received: 4
Samples Analyzed: 4

Lab ID: 23071454 **Client's Sample #: 072623-ER** Date sampled: 7/26/2023

	Time	Flow Rate
Start		
End		
Minutes		Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
1055		min 0.036 max 0.474	**10 / 100**	12.7	0.003	**0.005**

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385

Sampled by: Client
Analyzed by: Rachelle Miller Date Analyzed: 07/27/2023
Reviewed by: Nick Ly Date Issued: 07/27/2023

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 3: 14 June 2019). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Intralaboratory (Sr) Values are as follows: Low(0.34); Medium(0.25); High (0.13);

ASBESTOS LABORATORY SERVICES

NVL

Company EMB Consulting, LLC
Address 22725 44th Ave W. #203
Mountlake Terrace, WA 98043
Project Manager Ms. Elisabeth Black
Phone (206) 915-2395

NVL Batch Number **2311793.00**
TAT 4 Hrs **AH** No
Rush TAT
Due Date 7/28/2023 **Time** 9:00 AM
Email emblackconsult@gmail.com
Fax

Project Name/Number: 1511 **Project Location:** Anacortes WTP

Subcategory PCM Air
Item Code ASB-01 NIOSH 7400 Asbestos by PCM (A-rule) <air>

Total Number of Samples 4 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23071451	072523-UW		A
2	23071452	072523-DW		A
3	23071453	072623-Foyer		A
4	23071454	072623-ER		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	7/27/23	1250
Analyzed by	Rachelle Miller		NVL	7/27/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 7/27/2023
Time: 1:09 PM
Entered By: Rachelle Miller

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

ASBESTOS CHAIN OF CUSTODY

2311793

Turn Around Tin
- ☐ 1 Hour
- ☐ 2 Hours
- ☒ 4 Hours
- ☐ 24 Hours
- ☐ 2 Days
- ☐ 3 Days
- ☐ 4 Days
- ☐ 5 Days
- ☐ 10 Days

Please call for TAT less than 24 Hours

Company: EMB Consulting, LLC
Address: 22725 44th Avenue West, #203, Mountlake Terrace, Washington 98043
Phone: 206.915.2395

Project Manager: Elisabeth Black
Cell: ( ) -
Email: emblackconsult@gmail.com
Fax: ( ) -

Project Name/Number: 1511
Project Location: Anacortes WTP

- ☒ PCM Air (NIOSH 7400)
- ☐ TEM (NIOSH 7402)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II Modified)
- ☐ PLM (EPA 600/R-93-116)
- ☐ EPA 400 Points (600/R-93-116)
- ☐ EPA 1000Points (600/R-93-116)
- ☐ PLM Gravimetry (600/R-93-116)
- ☐ Asbestos in Vermiculite (EPA 600/R-04/004)
- ☐ Asbestos in Sediment (EPA 1900 Points)
- ☐ Asbestos Friable/Non-Friable (EPA 600/R-93/116)
- ☐ Other

Reporting Instructions
- ☐ Call ( ) -
- ☐ Fax ( ) -
- ☒ Email emblackconsult@gmail.com

Total Number of Samples 4

	Sample ID	Description	A/R
1	072523-UW	738.5 Liters	
2	072523-DW	752.5 Liters	
3	072623-Foyer	1,678 Liters	
4	072623-ER	1,055 Liters	
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	Elisabeth Black	E. Black	EMB Consulting, LLC	07/26/23	
Relinquish by	Elisabeth Black	E. Black	EMB Consulting, LLC	07/27/23	13:00

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rachene Miller		NVL	7/27/23	1250
Analyzed by					
Called by					
Faxed/Email by					

4708 Aurora Ave N, Seattle, WA 98103 | p 206.547.0100 | f 206.634.1936 | www.nvllabs.com

August 4, 2023

Julia Fitts
Anchor QEA
1605 Cornwall Avenue
Bellingham, WA 98225

RE: ASBESTOS ABATEMENT OVERSIGHT
JULY 31 TO AUGUST 3, 2023
FORMER ANACORTES WATER TREATMENT PLANT STRUCTURES
Mount Vernon, Washington

EMB Consulting Project #1511

Ms. Fitts,

This letter report summarizes the results of background and perimeter air monitoring for asbestos and oversight of asbestos abatement activities for the former Anacortes Water Treatment Plant structures during the work week of July 31 to August 2, 2023.

3 Kings is removing asbestos-containing materials (ACM) identified by EMB Consulting in Asbestos-Containing Material Inspection for Demolition, City of Anacortes Former Water Treatment Plant, Mount Vernon, Washington, dated June 20, 2022 (EMB, 2022). One additional ACM was confirmed by 3 Kings and EMB Consulting and documented in an addendum inspection report, dated August 2, 2023. Elisabeth Black, CIH of EMB Consulting conducted air monitoring during 3 Kings abatement and clearance of abated areas. As of this writing, asbestos abatement is complete.

METHODOLOGY

On July 31 to August 2, 2023, Elisabeth Black of EMB Consulting collected air samples for asbestos at the perimeter or in the vicinity of abatement activities and to confirm abated areas were cleared to recommended levels for airborne asbestos.

Air samples were collected in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7400: Asbestos and Other Fibers by PCM. The samples were collected on a 25-mm cellulose ester membrane (MCE) filter cassette with a conductive cowl.

The sampling train was calibrated to a target flow rate of three to four liters per minute using a TSI 4100 Flow Meter. At the completion of the air sampling each day, all samples were capped and stored in a plastic freezer bag. At the end of the week, samples were hand-delivered to NVL Laboratories for analysis by NIOSH Method 7400 (phase contrast microscopy). Air sample results were compared with the EPA asbestos clearance for schools criteria of 0.01 fibers per cubic centimeter of air (f/cc). This criteria is considered a conservative guideline for protection of public health.

In addition, once 3 Kings completed abatement of a specific material, EMB Consulting conducted a visual clearance to verify that all ACM was removed, and the surrounding area was restored to pre-abatement condition.

SUMMARY OF RESULTS

Weekly Activity Log

July 31, 2023
EMB on Site. Jose Cortes, Supervisor from 3 Kings provided the following list of daily activities.

- 3 Kings completed abatement of ACM floor mastic and cove base mastic for the second level of the WTP building.
- EMB verified visual clearance of flooring and cove base mastic for the second level.
- After 3 Kings applied encapsulant, EMB Consulting collected air clearance samples from the second level of the WTP building.
- 3 Kings continued work removing non-friable electrical insulator block from the Pump Room. They could not begin removal of friable ACM until air clearances were received from the laboratory for the second level abatement area.
- EMB and 3 Kings identified and sampled additional suspect materials in the Pump Room that were in cabinets that were locked or inaccessible during the original survey.
- EMB will submit the air and bulk samples for analysis on Tuesday morning (August 1, 2023) on a two-hour turn-around.

August 1, 2023
EMB is on Site after submitting air and bulk samples to the laboratory.

- Air samples for second level floor and cove base removal passed clearance criteria. Results communicated to 3 Kings.

- Results for bulk samples from first level Pump Room revealed one new ACM that will require abatement – CAB panels between fuses in center power cabinets. An estimated 30 panels are present. Results communicated to 3 Kings.

- 3 Kings moved negative air machines and continued abatement work in the Power Room.

- EMB Consulting conducted air monitoring outside of the Power Room.

August 2, 2023
EMB on Site.

- 3 Kings completed abatement of the Pump Room.

- EMB verified visual clearance of the Pump Room, with noted additional ACM CAB panels to be removed. 3 Kings removed those panels.

- EMB Consulting collected air clearance samples from the Pump Room.

- 3 Kings completed abatement of the single window with ACM on the second level, the CAB panels above the awning on the front of the WTP building, and the remaining two roof drains on the entry awning.

- EMB Consulting collected outdoor perimeter air samples during panel and drain removal.

- The CAB panels must be disposed of as PCB waste since one side has a coating of PCB-containing paint. Once the panels were removed, 3 Kings discovered that each panel contained two layers of CAB. 3 Kings attempted to separate the layers to reduce the volume of PCB waste, but the panels became friable during the effort. It was decided that the potential release of asbestos during separating the panels was not worth the savings in PCB waste disposal.

August 3, 2023
EMB not on Site, as asbestos abatement is complete.

- Air samples for Pump Room clearance passed clearance criteria. Results communicated to 3 Kings.

Perimeter and Clearance Air Monitoring

Abatement perimeter air monitoring results for asbestos are presented in the table below. The laboratory certificate of analysis is attached to this report.

Date - Sample ID	Sample Location Activity	Results (f/cc)	EPA Clearance Criteria (f/cc)
073123-ER	Interior First Level – Pump Room Center Background	0.005	0.01
073123-Foyer	Interior Second Level – Foyer Outside of Containment Flooring Abatement	0.002	
073123-Lab	Interior Second Level – Lab Flooring Removal Clearance	<0.004	
073123-Hall	Interior Second Level – Hall Flooring Removal Clearance	<0.005	
073123-B1	Field Blank	ND	
073123-B2	Field Blank	ND	
080123-PRout	Interior First Level – Outside of Pump Room Electrical Components Abatement	<0.002	
080223-E	Interior First Level –Pump Room Electrical Components Abatement Clearance	0.006	
080223-Panels	Exterior Entrance to WTP Building CAB Panel and Awning Drain Abatement	***0.014****	

ND = Not Detected at Laboratory Limits of Quantification
**This exceedance is attributed to the effort to separate CAB panels near where this sample was collected.*

Visual Clearances

The following materials required abatement during this project, as specified in the asbestos inspection (EMB, 2022) and the abatement specification. The date of clearance is included if this area and material have been cleared.

Asbestos-Containing Material	Estimated Quantity for Demolition	Abatement Clearance
Cement Asbestos Board	14 panels each (6' x 3')	08/03/23 - passed
Cove Base Mastic	70 lf	08/01/23 - passed
Electrical Insulator Blocks	80 each	08/03/23 - passed
Electric Wire Wrap Bundles	2,000 lf	08/03/22 - passed
Mastic (from former vinyl floor tiles)	3,000 ft^2	08/01/23 - passed
Roofing Caulk around Drains	20 ft^2	07/26/23 - passed
Sink Undercoat	1 sink	07/25/23 - passed
Window Putty	1 window each	08/03/23 - passed

lf linear feet
ft^2 square feet

CONCLUSIONS

Airborne asbestos concentrations at the time of this assessment for the areas monitored were not detected at or above the EPA clearance criteria for schools of 0.01 f/cc, with the exception of an outdoor sample during efforts to separate to CAB panels. Based on this assessment, for the conditions present during sampling, it does not appear that airborne asbestos was released during abatement activities, with the exception of that temporary exceedance.

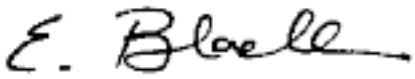
Abatement of second level flooring, cove base, and window ACM materials was cleared, as was the Pump Room and exterior panels and awning drains.

As of this writing, asbestos abatement is complete. The final deliverable from EMB Consulting will be a closeout package, which will contain documentation from 3 Kings to include their air monitoring data and a letter to certify that abatement is complete.

LIMITATIONS

Work for this project was performed and this report prepared in accordance with generally accepted professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed. It is intended for the exclusive use of Anchor QEA for specific application to the referenced site. No other warranty, express or implied, is made. Sampling was limited to the specific conditions and locations presented in this report.

Sincerely,



Elisabeth Black
Certified Industrial Hygienist

Attachments:
NVL Laboratories. Batch Number 2312024.00, August 3, 2023

NVL Laboratories. Batch Number 2312223.00, August 3, 2023

ANALYTICAL DATA

August 3, 2023

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Asbestos & Other Fiber Analysis; NVL Batch# 2312042.00

Client Project: WTP
Location: WTP

Dear Ms. Black,

Enclosed please find test results for the 6 air sample(s) submitted to our laboratory for analysis on 8/1/2023.

Examination of these samples was conducted in accordance with the NIOSH 7400 method. Results are reported in fibers per cubic centimeter (fibers/cc) and in fibers per square millimeter (fibers/mm^2).

The working range for the NIOSH 7400 method is between 100 and 1300 fibers per square millimeter (fibers/mm^2).

Test results not blank corrected unless field blanks were provided.

Samples are archived for two weeks following analysis and will be discarded if not retrieved by the client after that period.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

ilac-MRA

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 101861

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: WTP

Batch #: 2312042.00
Method: NIOSH 7400
Client Project #: WTP
Date Received: 8/1/2023
Samples Received: 6
Samples Analyzed: 6

Lab ID: 23072723 **Client's Sample #: 073123-Foyer** Date sampled: 7/31/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
1283		min 0.030 max 0.390	**3.5 / 100**	<7.0	0.002	**<0.002**

Lab ID: 23072724 **Client's Sample #: 073123-ER** Date sampled: 7/31/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
1449		min 0.027 max 0.345	**2 / 100**	<7.0	0.002	**<0.002**

Lab ID: 23072725 **Client's Sample #: 073123-B1** Date sampled: 7/31/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
		min max	**1 / 100**	<7.0		

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385

Sampled by: Client
Analyzed by: Rachelle Miller Date Analyzed: 08/01/2023
Reviewed by: Nick Ly Date Issued: 08/03/2023

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 3: 14 June 2019). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Intralaboratory (Sr) Values are as follows: Low(0.34); Medium(0.25); High (0.13);

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: WTP

Batch #: 2312042.00
Method: NIOSH 7400
Client Project #: WTP
Date Received: 8/1/2023
Samples Received: 6
Samples Analyzed: 6

Lab ID: 23072726 **Client's Sample #: 073123-B2** Date sampled: 7/31/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
		min max	**1.5 / 100**	<7.0		

Lab ID: 23072727 **Client's Sample #: 073123-Lab** Date sampled: 7/31/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
720		min 0.053 max 0.695	**1 / 100**	<7.0	0.004	**<0.004**

Lab ID: 23072728 **Client's Sample #: 073123-Hall** Date sampled: 7/31/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
558		min 0.069 max 0.897	**3 / 100**	<7.0	0.005	**<0.005**

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385

Sampled by: Client
Analyzed by: Rachelle Miller Date Analyzed: 08/01/2023
Reviewed by: Nick Ly Date Issued: 08/03/2023

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 3: 14 June 2019). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Intralaboratory (Sr) Values are as follows: Low(0.34); Medium(0.25); High (0.13);

ASBESTOS LABORATORY SERVICES

Company	EMB Consulting, LLC	**NVL Batch Number**	**2312042.00**
Address	22725 44th Ave W. #203	**TAT**	1 Hr **AH** No
	Mountlake Terrace, WA 98043	**Rush TAT**	
Project Manager	Ms. Elisabeth Black	**Due Date**	8/1/2023 **Time** 10:35 AM
Phone	(206) 915-2395	**Email**	emblackconsult@gmail.com
		Fax	

Project Name/Number: WTP **Project Location:** WTP

Subcategory PCM Air

Item Code ASB-01 NIOSH 7400 Asbestos by PCM (A-rule) <air>

Total Number of Samples 6 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23072723	073123-Foyer		A
2	23072724	073123-ER		A
3	23072725	073123-B1		A
4	23072726	073123-B2		A
5	23072727	073123-Lab		A
6	23072728	073123-Hall		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	8/1/23	935
Analyzed by	Rachelle Miller		NVL	8/1/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 8/1/2023
Time: 9:36 AM
Entered By: Rachelle Miller

2312042

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

ASBESTOS CHAIN OF CUSTODY

Turn Around Time
- ☒ 1 Hour (EBV)
- ☒ 2 Hours
- ☐ 4 Hours
- ☐ 2 Days
- ☐ 3 Days
- ☐ 5 Days
- ☐ 10 Days

Please call for TAT less than 24 Hours

Company
Address EMB Consulting, LLC ~~22725 44th Avenue West, #203~~ Mountlake Terrace, Washington 98043
Phone 206.915.2395

Project Manager Elisabeth Black
Cell ( ) -
Email
Fax ( ) -

Project Name/Number	Project Location
WTP	WTP

- ☒ PCM Air (NIOSH 7400)
- ☐ TEM (NIOSH 7402)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II Modified)
- ☐ PLM (EPA 600/R-93-116)
- ☐ EPA 400 Points (600/R-93-116)
- ☐ EPA 1000Points (600/R-93-116)
- ☐ PLM Gravimetry (600/R-93-116)
- ☐ Asbestos in Vermiculite (EPA 600/R-04/004)
- ☐ Asbestos in Sediment (EPA 1900 Points)
- ☐ Asbestos Friable/Non-Friable (EPA 600/R-93/116)
- ☐ Other

Reporting Instructions
☐ Call ( ) - ☐ Fax ( ) - ☒ Email

Total Number of Samples

	Sample ID	Description	A/R
1	073123-Foyer	1,283 Liters	
2	073123-ER	1,449 Liters	
3	073123-B1	0 Liters	
4	073123-B2	0 Liters	
5	073123-Lab	720 Liters	
6	073123-Hall	558 Liters	
7			
8			
9			
10			
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	Elisabeth Black	E. Black	EMB Consulting	07/31/23	
Relinquish by	Elisabeth Black	E. Black	EMB Consulting	07/31/23	

Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Hilary			8/1/23	0935
Analyzed by					
Called by					
Faxed/Email by					

August 3, 2023

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY + MANAGEMENT + TRAINING

Elisabeth Black
EMB Consulting, LLC
22725 44th Ave W. #203
Mountlake Terrace, WA 98043

RE: Asbestos & Other Fiber Analysis; NVL Batch# 2312223.00

Client Project: WTP
Location: WTP

Dear Ms. Black,

Enclosed please find test results for the 3 air sample(s) submitted to our laboratory for analysis on 8/3/2023.

Examination of these samples was conducted in accordance with the NIOSH 7400 method. Results are reported in fibers per cubic centimeter (fibers/cc) and in fibers per square millimeter (fibers/mm^2).

The working range for the NIOSH 7400 method is between 100 and 1300 fibers per square millimeter (fibers/mm^2).

Test results not blank corrected unless field blanks were provided.

Samples are archived for two weeks following analysis and will be discarded if not retrieved by the client after that period.

Thank you for using our laboratory services. Please do not hesitate to call if there is anything further we can assist you with.

Sincerely,

Nick Ly, Technical Director

Enc.: Sample results

ilac-MRA

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 101861

Phone: 206 547.0100 | Fax: 206 634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103-6516

Asbestos And Other Fibers Analysis

by Phase Contrast Microscopy

Client: EMB Consulting, LLC
Address: 22725 44th Ave W. #203
Mountlake Terrace, WA 98043

Attention: Ms. Elisabeth Black
Project Location: WTP

Batch #: 2312223.00
Method: NIOSH 7400
Client Project #: WTP
Date Received: 8/3/2023
Samples Received: 3
Samples Analyzed: 3

Lab ID: 23073815 **Client's Sample #: 080123-PRout** Date sampled: 8/1/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
1680		min 0.023 max 0.298	**5 / 100**	<7.0	0.002	**<0.002**

Lab ID: 23073816 **Client's Sample #: 080223-E** Date sampled: 8/2/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
720		min 0.053 max 0.695	**8.5 / 100**	10.8	0.004	**0.006**

Lab ID: 23073817 **Client's Sample #: 080223-Panels** Date sampled: 8/2/2023

Time	Flow Rate
Start	
End	
Minutes	Ave.

Sample type: PCM
Location:
Activity:
Worker:
Comments:

Liters	Pump ID	LOQ fibers/cc	Fibers/flds	Fibers/mm²	RL f/cc	Fibers/cc
210		min 0.183 max 2.383	**6 / 100**	7.6	0.013	**0.014**

Blank ave.(f/mm²) 0.0 Micro. field area (mm²) 0.00785 Effe. filtration area (mm²) 385

Sampled by: Client
Analyzed by: Rachelle Miller Date Analyzed: 08/03/2023
Reviewed by: Nick Ly Date Issued: 08/03/2023

Nick Ly, Technical Director

* Samples are analyzed in accordance with the NIOSH 7400 (Issue 3: 14 June 2019). If the samples were not collected by NVL Laboratories, then the accuracy of the results is limited by the methodology and acuity of the sample collector. The LOQ, Limits of Quantification, are the fiber concentrations, for the given volume of the sampled air, above and below which the results may be unreliable. The RL, Reporting Limit defined in Method 7400 as LOD, is the fibers/cc below which the results may not be confidently distinguished from background levels. This report relates only to the items tested. It shall not be reproduced, except in full, without written approval of NVL Laboratories, Inc. . Unless otherwise indicated, the condition of all samples was acceptable at time of receipt. Intralaboratory (Sr) Values are as follows: Low(0.34); Medium(0.25); High (0.13);

ASBESTOS LABORATORY SERVICES

Company	EMB Consulting, LLC	**NVL Batch Number**	**2312223.00**
Address	22725 44th Ave W. #203	**TAT**	1 Hr **AH** No
	Mountlake Terrace, WA 98043	**Rush TAT**	
Project Manager	Ms. Elisabeth Black	**Due Date**	8/3/2023 **Time** 11:40 AM
Phone	(206) 915-2395	**Email**	emblackconsult@gmail.com
		Fax	

Project Name/Number: WTP **Project Location:** WTP

Subcategory PCM Air

Item Code ASB-01 NIOSH 7400 Asbestos by PCM (A-rule) <air>

Total Number of Samples 3 Rush Samples

	Lab ID	Sample ID	Description	A/R
1	23073815	080123-PRout		A
2	23073816	080223-E		A
3	23073817	080223-Panels		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Client				

Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	8/3/23	1040
Analyzed by	Rachelle Miller		NVL	8/3/23	
Results Called by					
☐ **Faxed** ☐ **Emailed**					

Special Instructions:

Date: 8/3/2023
Time: 10:35 AM
Entered By: Rachelle Miller

NVL
INDUSTRIAL HYGIENE SERVICES
LABORATORY • MANAGEMENT • TRAINING

ASBESTOS CHAIN OF CUSTODY

2312223

Turn Around Time
- [x] 1 Hour
- [ ] 2 Hours
- [ ] 4 Hours
- [ ] 2 Days
- [ ] 3 Days
- [ ] 5 Days
- [ ] 10 Days

Please call for TAT less than 24 Hours

Company
Address EMB Consulting, LLC 22725 44th Avenue West, #203 Mountlake Terrace, Washington 98043 206.915.2395
Phone

Project Manager Elisabeth Black
Cell ( ) -
Email emblackconsult@gmail.com
Fax ( ) -

Project Name/Number	Project Location
WTP	WTP

- [x] PCM Air (NIOSH 7400)
- [ ] TEM (NIOSH 7402)
- [ ] TEM (AHERA)
- [ ] TEM (EPA Level II Modified)
- [ ] PLM (EPA 600/R-93-116)
- [ ] EPA 400 Points (600/R-93-116)
- [ ] EPA 1000Points (600/R-93-116)
- [ ] PLM Gravimetry (600/R-93-116)
- [ ] Asbestos in Vermiculite (EPA 600/R-04/004)
- [ ] Asbestos in Sediment (EPA 1900 Points)
- [ ] Asbestos Friable/Non-Friable (EPA 600/R-93/116)
- [ ] Other

Reporting Instructions
- [ ] Call ( ) -
- [ ] Fax ( ) -
- [x] Email emblackconsult@gmail.com

Total Number of Samples

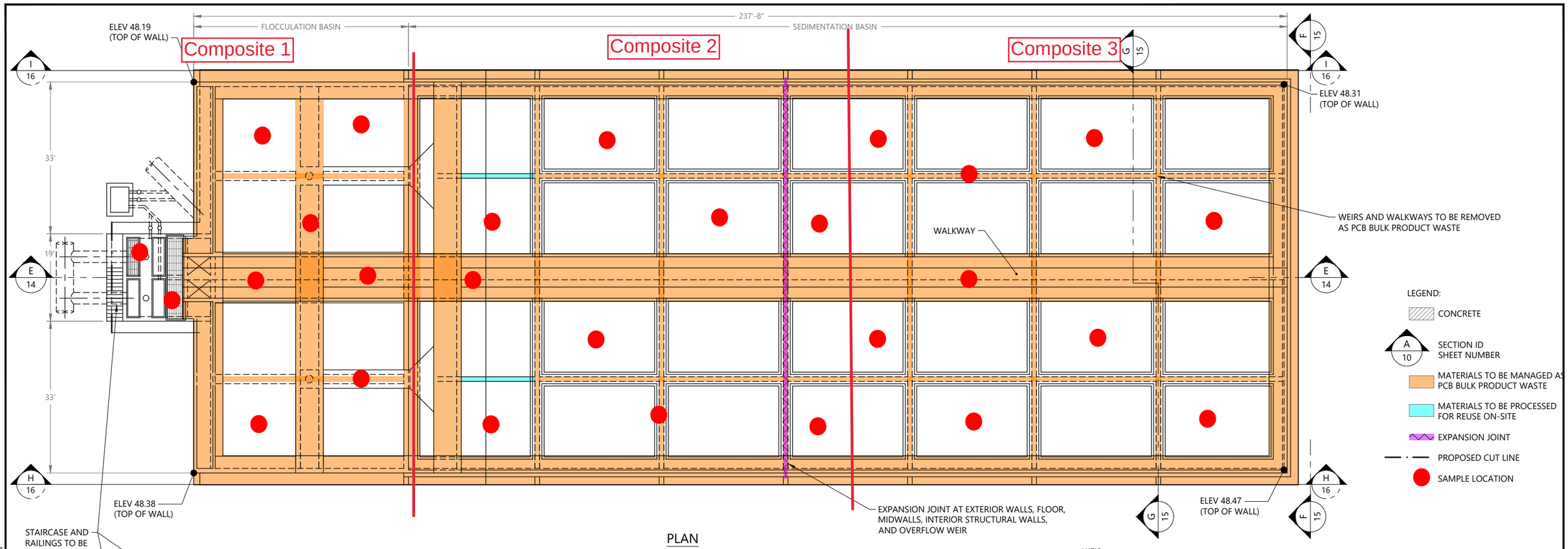
	Sample ID	Description	A/R
1	080123-PRout	1,680 Liters	
2	080223-E	720 Liters	
3	080223-Panels	210 Liters	
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

	Print Name	Signature	Company	Date	Time
Sampled by	Elisabeth Black	E. Black	EMB Consulting	080323	10:45
Relinquish by	Elisabeth Black	E. Black	EMB Consulting	080323	10:45

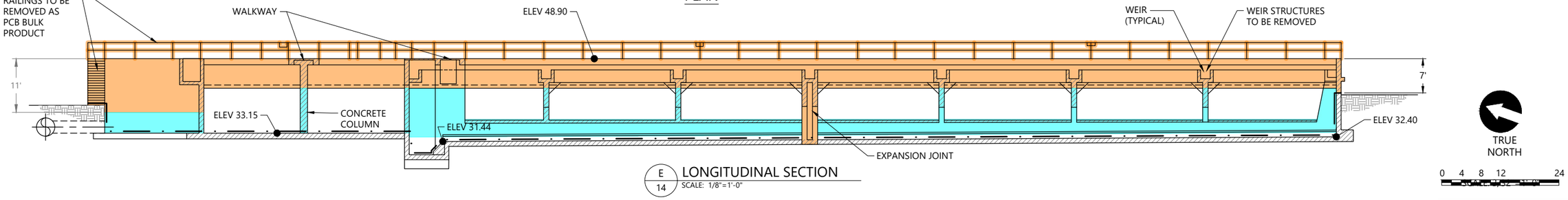
Office Use Only

	Print Name	Signature	Company	Date	Time
Received by	Rachelle Miller		NVL	8/3/23	1640
Analyzed by					
Called by					
Faxed/Email by					

Appendix G
Basin Confirmation Sampling Maps



PLAN



E 14 LONGITUDINAL SECTION
SCALE: 1/8"=1'-0"

NOTES:

1. HORIZONTAL DATUM: WASHINGTON STATE PLANE NAD83/11, NORTH ZONE, U.S. SURVEY FEET
2. VERTICAL DATUM: NAVD88
3. SOURCE: DRAWING OBTAINED BY DIGITIZING AS-BUILT DRAWING S-1 FROM STEVENS, THOMPSON, RUNYON & RIES, INC. TITLED "WATER SYSTEM IMPROVEMENTS" DATED JUNE 16, 1971.
4. SITE AND PROJECT FEATURES ARE APPROXIMATE AND SHOULD NOT BE RELIED ON FOR MEASUREMENTS OR AS A COMPLETE DEPICTION OF SITE CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL SITE AND PROJECT FEATURES (INCLUDING BOTH SURFACE AND SUBSURFACE FEATURES). FAILURE TO VERIFY ALL EXISTING CONDITIONS SHALL NOT ENTITLE THE CONTRACTOR TO A CHANGE ORDER OR COST INCREASE.
5. THE CONTRACTOR SHALL REMOVE SOLIDS/DEBRIS PRESENT IN THE SEDIMENTATION BASIN PRIOR TO REMOVING PCB-IMPACTED MATERIALS. SOLIDS SHALL BE MANAGED AS NON-HAZARDOUS WASTE.
6. THE CONTRACTOR SHALL EXCAVATE AROUND THE PERIMETER OF THE SEDIMENTATION BASIN AS NECESSARY TO REMOVE THE EXTERIOR BASIN WALL.
7. EXISTING GRADE AT THE PERIMETER OF THE SEDIMENTATION BASIN VARIES. TOP OF SOIL ELEVATION RANGES FROM APPROXIMATELY 6' to 9' BELOW THE TOP OF THE EXTERIOR WALL.
8. CONTRACTOR SHALL CONDUCT ALL PRE-DEMOLITION REMOVALS AS DESCRIBED IN SECTION 019400. PRIOR TO START OF DEMOLITION.
9. SEDIMENTATION BASIN DEMOLITION SHALL BE PERFORMED AS DESCRIBED IN SECTION 024100 - DEMOLITION. EXTERIOR WALLS SHALL BE REMOVED TO 1' BELOW FINAL GRADE OR APPROXIMATELY 2' BELOW BLUE COATING ON WALLS (RANGING FROM 7'-11' AS SHOWN ON CONTRACT DRAWINGS), WHICHEVER ELEVATION IS LOWER (CUT LINE). ALL CONCRETE FEATURES ON THE INTERIOR OF THE BASIN SHALL BE REMOVED.
10. EXPANSION JOINT AND ADJACENT CONCRETE SHALL BE REMOVED AND MANAGED AS PCB BULK PRODUCT WASTE.
11. CONCRETE DEBRIS SHALL BE REMOVED AND MANAGED AS SHOWN ON CONTRACT DRAWING.
12. THE CONTRACTOR SHALL FRACTURE THE SEDIMENTATION BASIN FLOOR FULL DEPTH AT 10' INTERVALS.
13. REMAINING BASIN STRUCTURE SHALL BE BACKFILLED WITH CLEAN FILL, PROCESSED CLEAN DEMOLITION MATERIAL, AND EXCAVATED SOILS NEEDED TO MEET GRADES AS SHOWN ON CONTRACT DRAWING 17.
14. MATERIALS TO BE MANAGED AS SHOWN ON THIS DRAWING CONSIST OF CONCRETE AND MASONRY DEMOLITION DEBRIS, AND EXCLUDES REINFORCING STEEL, EQUIPMENT, UTILITIES AND NON-MASONRY OR CONCRETE MATERIALS. MANAGEMENT OF REINFORCING STEEL, EQUIPMENT, UTILITIES AND NON-MASONRY OR CONCRETE MATERIALS IS DESCRIBED IN SPECIFICATION 01 74 00.

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ANACORTES 1891

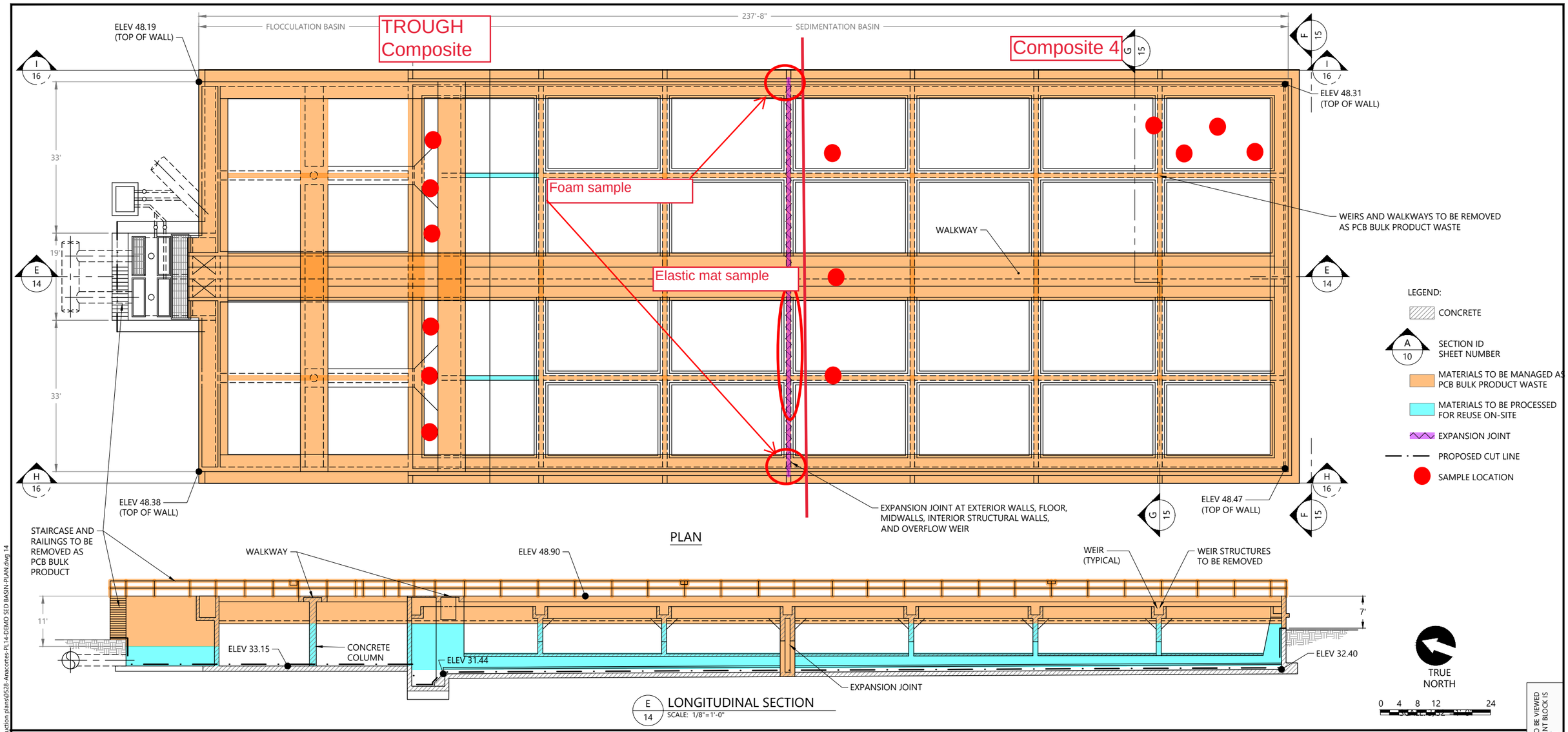
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
SCALE: AS NOTED
DATE:

FORMER WATER TREATMENT PLANT DEMOLITION PROJECT
PROJECT #22-204-WTR-001

SHEET #

Jan 31, 2023 6:11pm rpetrie k:\Projects\0528-city of anacortes\fwtp cleanup and demo\construction plans\0528-Anacortes-PL14-DEMO SED BASIN-PLAN.dwg 14



NOTES:

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2. VERTICAL DATUM: NAVD88
3. SOURCE: DRAWING OBTAINED BY DIGITIZING AS-BUILT DRAWING S-1 FROM STEVENS, THOMPSON, RUNYON & RIES, INC. TITLED "WATER SYSTEM IMPROVEMENTS" DATED JUNE 16, 1971.
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ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ANACORTES 1891

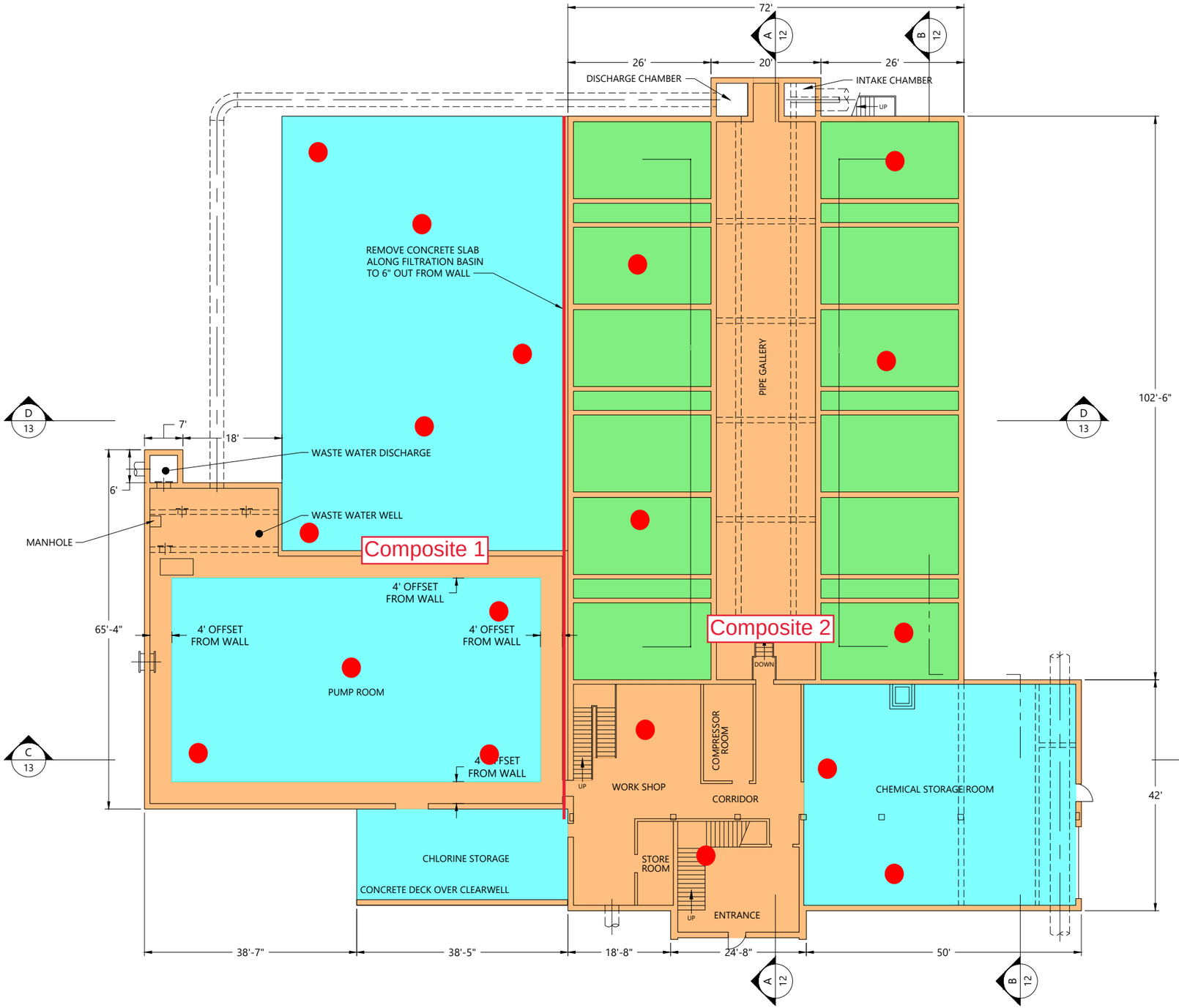
REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

DESIGNED BY:
DRAWN BY:
CHECKED BY:
APPROVED BY:
SCALE: AS NOTED
DATE:

FORMER WATER TREATMENT PLANT DEMOLITION PROJECT
PROJECT #22-204-WTR-001

SHEET #

Jan 31, 2023 6:11pm rpetrie k:\Projects\0528-city of anacortes\fwtp cleanup and demo\construction plans\0528-Anacortes-PL14-DEMO SED BASIN-PLAN.dwg 14



LEGEND:

- FEATURES BELOW CURRENT BUILDING LEVEL SHOWN
- A / 10 — SECTION ID / SHEET NUMBER
- BUILDING MATERIALS TO BE MANAGED AS PCB BULK PRODUCT WASTE
- BUILDING MATERIALS TO BE PROCESSED FOR REUSE ON-SITE
- BUILDING MATERIALS ASSUMED TO BE PROCESSED AND REUSED ON-SITE, FOLLOWING POST-DEMOLITION SAMPLE CONFIRMATION
- SAMPLE LOCATION

TRUE NORTH

0 4 8 12 24
SCALE: 3/32"=1'-0"

NOTES:

1. SITE AND PROJECT FEATURES ARE APPROXIMATE AND SHOULD NOT BE RELIED ON FOR MEASUREMENTS OR AS A COMPLETE DEPICTION OF SITE CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL SITE AND PROJECT FEATURES (INCLUDING BOTH SURFACE AND SUBSURFACE FEATURES). FAILURE TO VERIFY ALL EXISTING CONDITIONS SHALL NOT ENTITLE THE CONTRACTOR TO A CHANGE ORDER OR COST INCREASE.
2. ADDITIONAL SUBSURFACE AND/OR UTILITIES MAY BE PRESENT AT THE SITE, THAT ARE NOT SHOWN ON EXISTING MAPPING.
3. STRUCTURAL FEATURES OBTAINED BY DIGITIZING AS-BUILT DRAWING E-7 FROM STEVENS, THOMPSON, RUNYAN & RIES, INC. TITLED "WATER SYSTEM IMPROVEMENTS", DATED AUGUST 20, 1971.
4. BUILDING MATERIALS TO BE MANAGED AS SHOWN ON THIS DRAWING CONSIST OF CONCRETE AND MASONRY BUILDING DEMOLITION DEBRIS, AND EXCLUDES REINFORCING STEEL, EQUIPMENT, UTILITIES AND NON-MASONRY OR CONCRETE MATERIALS. MANAGEMENT OF REINFORCING STEEL, EQUIPMENT, UTILITIES AND NON-MASONRY OR CONCRETE MATERIALS IS DESCRIBED IN SPECIFICATION 01 74 00.

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

ANCHOR QEA

CITY OF ANACORTES 1891

REVISIONS				
REV	DATE	BY	APP'D	DESCRIPTION

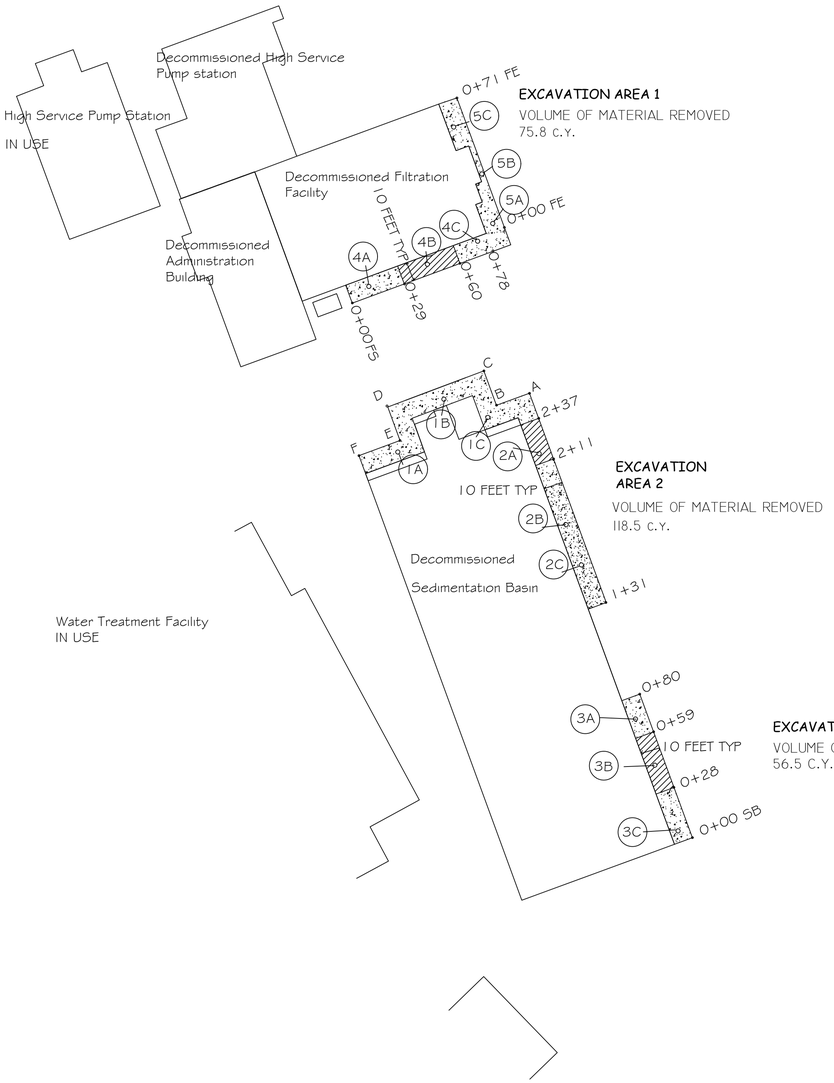
DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
APPROVED BY: _____
SCALE: AS NOTED
DATE: _____

FORMER WATER TREATMENT PLANT DEMOLITION PROJECT
PROJECT #22-204-WTR-001

SHEET #

Jan 31, 2023 6:11pm rpetrie k:\Projects\0528-city of anacortes\fwtp deanup and demo\construction plans\0528-Anacortes-PL09-Admin1.dwg 10

Appendix H
As-Built Surveys



EXCAVATION AREA 1
VOLUME OF MATERIAL REMOVED
75.8 C.Y.

EXCAVATION AREA 2
VOLUME OF MATERIAL REMOVED
118.5 C.Y.

EXCAVATION AREA 3
VOLUME OF MATERIAL REMOVED
56.5 C.Y.

MTCA SOIL REMOVAL AS BUILT INFORMATION

LOCATION	PRE EXCAVATION ELEV	POST EXCAVATION ELEV	NOTES VERTICAL DATUM NAVD 88	
0+00 SB	41	40	0+00 TO 0+28 EXCAVATION 1 FOOT DEEP	0+00SB TO 0+80
0+28	40.3	37.8	0+28 TO 0+59 EXCAVATION 2 FEET DEEP	EXCAVATION AREA 3
0+59	39.7	36.8	0+59 TO 0+80 EXCAVATION 1 FOOT DEEP	
0+80	39.3	37.6		
1+31	39.8	37.7	1+31 TO 2+11 EXCAVATION 1 FOOT DEEP	1+31 THROUGH F
2+11	38.8	36.7		EXCAVATION AREA 2
2+40	38.7	36.5	2+11 TO 2+40 EXCAVATION 2 FEET DEEP	
A	38.5	37.7	A THROUGH F EXCAVATION 1 FOOT DEEP	
B	39.5	38.3		
C	39.6	38.5		
D	38.8	37.9		
E	39.8	38.7		
F	39.5	38.5		
0+00 FS	39.3	38.2	0+00 FS TO 0+29 EXCAVATION 1 FOOT DEEP	0+00 FS THROUGH 0+71
0+29	39.3	37	0+29 TO 0+60 EXCAVATION 2 FEET DEEP	EXCAVATION AREA 1
0+60	39.3	37	0+60 TO 0+78 EXCAVATION 1 FOOT DEEP	
0+78	38.7	37.5		
0+00 FE	38.8	37.8	0+00 FE TO 0+71 EXCAVATION 1 FOOT DEEP	
0+71	37	34.7		

INDICATES ADDITIONAL EXCAVATION 2 FEET DEEP

INDICATES EXCAVATION 1 FOOT DEEP

CONFIRMATION SAMPLE POINTS

PT	NORTH	EAST
3A	527929.2	1267530.1
3B	527899.6	1267545.1
3C	527861.0	1267563.6
2A	528075.9	1267477.2
2B	528042.1	1267493.7
2C	527998.8	1267512.1
1A	528061.5	126704.6
1B	528091.0	1267440.4
1C	528080.7	1267459.1
4A	528146.6	1267395.3
4B	528159.4	1267427.5
4C	528173.3	1267452.9
5A	528180.7	1267457.8
5B	528209.4	1267453.0
5C	528180.7	1267457.6

HORIZONTAL DATUM: NAD 83/11 WASHINGTON STATE PLANE NORTH ZONE

(2B) EXAMPLE
ASBUILT LOCATIONS OF SOIL SAMPLE POINTS
SAMPLES AND DATA COLLECTED BY ANCHOR QEA

N

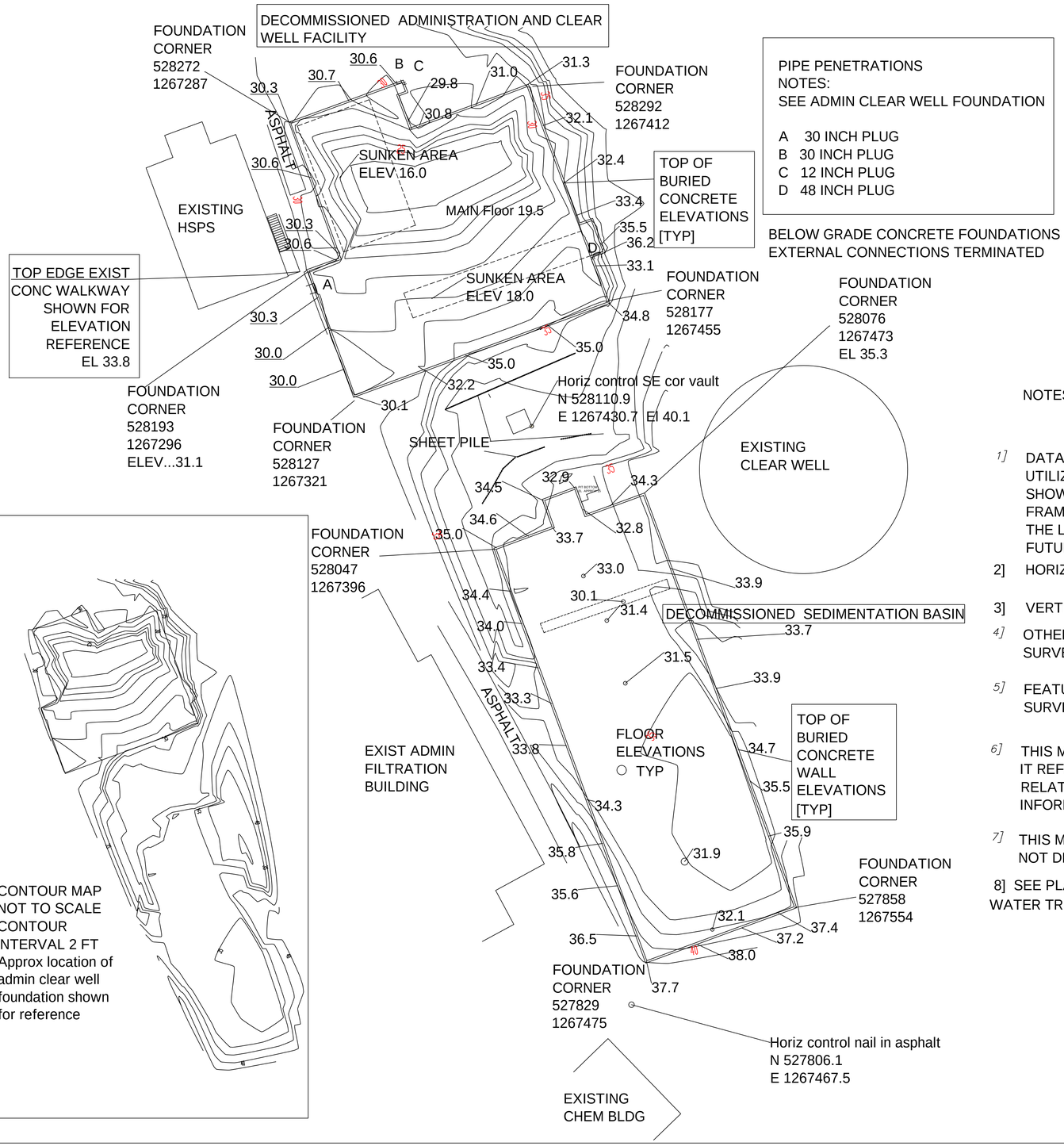
0 30 50 100 150 200
ONE INCH EQUALS 50 FEET

BUCKENMEYER SURVEYING
13694 BAYVIEW ROAD
MOUNT VERNON 98273
360-770-0630

FREDERICK ALLEN BUCKENMEYER
STATE OF WASHINGTON
22327
REGISTERED
PROFESSIONAL LAND SURVEYOR

APRIL 18,2024

CITY OF ANACORTES, WASHINGTON
FORMER WATER TREATMENT PLANT
MTCA SOIL REMOVAL
14489 RIVERBEND ROAD, MOUNT VERNON WA. 98273
48.43682 N 122.37042 W



NOTES

1] DATA FOR THIS POST CONSTRUCTION SURVEY WAS GATHERED BY FIELD TRAVERSE UTILIZING ELECTRONIC DATA COLLECTION IN Q3 &Q4 2023 &Q1 2024. INFRASTRUCTURE SHOWN HEREON IS THE RESULT OF A DEMOLITION CONTRACT DURING THOSE TIME FRAMES. THE PRIMARY PURPOSE OF THE POST CONSTRUCTION SURVEY WAS TO MAP THE LOCATION OF BURIED CONCRETE FOUNDATIONS TO FACILITATE LOCATION IN THE FUTURE

2] HORIZONTAL DATUM: NAD 83/11 WASHINGTON STATE PLANE NORTH ZONE

3] VERTICAL DATUM: NAVD 88 LOCAL ON SITE REFERENCES

4] OTHER FEATURES AND UTILITIES ARE KNOWN TO EXIST WITHIN THE LIMITS OF THIS SURVEY THAT WERE NOT LOCATED.

5] FEATURE LOCATION AREAS AND LEVEL OF LOCATE ACCURACY WERE DETERMINED BY SURVEYOR AND CLIENT DURING THE FIELD SURVEY WORK.

6] THIS MAP IS NOT INTENDED TO REPRESENT A FORMAL BOUNDARY SURVEY, NOR DOES IT REFLECT ELEMENTS THAT A BOUNDARY SURVEY MAY DISCLOSE. BOUNDARY RELATED ELEMENTS DEPICTED HEREON IF ANY , ARE SHOWN PER AVAILABLE RECORD INFORMATION.

7] THIS MAP WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY NOT DEPICT ALL EASEMENTS AND OR EXCEPTIONS TO TITLE OF RECORD.

8] SEE PLANS AND SPECIFICATIONS PREPARED BY ANCHOR QEA [CITY OF ANACORTES FORMER WATER TREATMENT PLANT DEMOLITION] JANUARY 2023

REV AUGUST 2024 ADDED CONTOURS TO BASE MAP

MAP PREPARED JUNE 2024
DATA COLLECTED 2023 AND 2024 SEE NOTES .

POST CONSTRUCTION SURVEY
FORMER WATER TREATMENT PLANT DEMOLITION PROJECT
CITY OF ANACORTES 14489 RIVER BEND ROAD, MOUNT VERNON WA

BUCKENMEYER SURVEYING
13694 BAYVIEW ROAD
MOUNT VERNON 98273

Appendix I
Soil Compaction Field Density Testing Results, Waste Disposal Logs and Manifests, and Scrap Recycling Documentation

3 KINGS

ASBESTOS • DEMO • ENVIRONMENTAL • CRUSHING

Compaction Test, Waste, and Scrap Metal Summary Documents

Project:
Anacortes Water Treatment DEMO
14489 River Bend Rd
Mount Vernon, WA 98273

Prepared For:
ATTN: Alexander Bleichner
City of Anacortes
904 6th St., Anacortes, WA 98221

Project # 223060

Table of Contents

TAB 1 Compaction Test Results

TAB 2 - Waste Tracking

TAB 3 - PCB Waste Manifests

TAB 4- DTG Waste Tickets

TAB 5 - Scrap Metal Tickets

TAB 1 - Compaction Test Results

Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D324884

CLIENT 3 Kings Environmental, Inc. **DATE** 01/30/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 01/30/2024 **Time Onsite:** 3:10 PM **Weather Conditions:** 55 F, overcast

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Concrete Pad Backfill **Gauge Standard MS:** 610

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2547

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B23-1241	GP, Poorly graded Gravel with Sand	154.4	5.0% OM, 40% ORC
2.	B24-0151	SP-SM, Poorly graded Sand with Silt and Gravel	141.7	OMC = 5.6%, ORC = 25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	6"	Southside of Pit	SG	148.7	139.4	6.7	1	90.3	90
2	8"	Westside of Pit	SG	150.4	139.8	7.6	1	90.5	90

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived onsite as requested by contractor to verify compaction of Common Borrow backfill over concrete slab on East side of site.

Contractor had already exerted compactive efforts on common borrow material prior to arrival of inspector.

When tested, the common borrow met the 90% minimum compaction requirements as stated by the contractor.

A sample of the common borrow material was sampled by the inspector onsite for an updated proctor value.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 01/30/2024 15:13:11

UPLOADED: 01/30/2024 15:13:13

UPLOADED: 01/30/2024 15:13:16

REPORTED BY: Kenny Mendez REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D324963

CLIENT 3 Kings Environmental, Inc. **DATE** 02/01/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 02/01/2024 **Time Onsite:** 8:34 AM **Weather Conditions:** 53 F, overcast

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Concrete Pad Backfill **Gauge Standard MS:** 576

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2520

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B23-1241	GP, Poorly graded Gravel with Sand	154.4	5.0% OM, 40% ORC
2.	B24-0151	SP-SM, Poorly graded Sand with Silt and Gravel	141.7	OMC = 5.6%, ORC = 25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	8"	Southwest side of Pit	SG	149.4	139.6	7	1	90.4	95
2	8"	Northeast side of Pit	SG	149.6	139.3	7.4	1	90.2	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived onsite as requested by contractor to verify compaction of Common Borrow backfill over concrete slab on East side of site.

Contractor had already exerted compactive efforts on common borrow material prior to arrival of inspector.

When tested, common borrow material met the 90% minimum compaction requirements as stated by the contractor.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 02/01/2024 08:36:56

UPLOADED: 02/01/2024 08:36:58

UPLOADED: 02/01/2024 08:37:01

REPORTED BY: Kenny Mendez REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D325135

CLIENT 3 Kings Environmental, Inc. **DATE** 02/05/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 02/05/2024 **Time Onsite:** 9:45 AM **Weather Conditions:** 45 cloudy

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Embankment reinforcement **Gauge Standard MS:** 572

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2516

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM poorly graded silly sand mix	141.7	5.6

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10in	SW corner of site	SG	146.2	136.6	7	1	96.4	95
2	10in	15 ft west of first shot	SG	148.4	137.8	7.7	1	97.2	95
3	10in	35 ft North of second shit	SG	146.3	137	6.8	1	96.7	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

Mtc arrived on site to perform compaction testing as requested by contractor. Soils were compacted prior to MTC arrival. Three tests were performed as requested, all met or exceeded minimum compaction requirements. Soil appeared to be firm and unyielding

Contractor was notified of these results prior to leaving site

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 02/05/2024 10:12:30

UPLOADED: 02/05/2024 10:12:49

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 02/05/2024 10:13:09

REPORTED BY: Trevor Vance REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D325277

CLIENT 3 Kings Environmental, Inc. **DATE** 02/07/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 02/07/2024 **Time Onsite:** 9:15 AM **Weather Conditions:** 49 cloudy

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Anacortes water treatment plant/ berm work **Gauge Standard MS:** 579

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2473

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM poorly graded silly sand mix	141.7	5.6

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10in	NE side next to water tank	2ft BFG	152.1	139	9.4	1	98.1	95
2	10in	15ft NW of 1st test	2ft BFG	148.2	138	7.4	1	97.4	95
3	10in	40ft NW of 1st test	2ft BFG	143.1	134.2	6.6	1	94.7	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived on site to perform compaction testing on a berm. All compaction efforts were completed prior to MTC arrival. Three tests were taken. All tests met or exceeded minimum compaction requirements

Contractor was notified prior to leaving site

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 02/07/2024 10:12:44

UPLOADED: 02/07/2024 10:13:07

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 02/07/2024 10:13:37

REPORTED BY: Trevor Vance REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D325279

CLIENT 3 Kings Environmental, Inc. **DATE** 02/07/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 02/07/2024 **Time Onsite:** 9:15 AM **Weather Conditions:** 49 cloudy

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Anacortes water treatment plant/ berm work **Gauge Standard MS:** 579

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2473

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM poorly graded silly sand mix	141.7	5.6

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10in	NE corner of site	3ft BFG	150.6	137.3	9.7	1	96.9	95

☐ Native Soils	Soils consistent with Proctor	◉ Yes	○ No
☒ Imported Fills	Soils found to be firm and stable; and to the best of our knowledge, meet compaction	◉ Yes	○ No
	Contractor notified of results	◉ Yes	○ No

Remarks:

MTC was requested to take an additional test prior to leaving the site and was asked to put results into separate report. One test was taken in NE corner of site, said test met minimum compaction requirements

Contractor was notified of results prior to leaving site

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 02/07/2024 10:30:01

REPORTED BY: Trevor Vance REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D325340

CLIENT 3 Kings Environmental, Inc. **DATE** 02/08/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 02/08/2024 **Time Onsite:** 8:50 am **Weather Conditions:** 43 cloudy

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: North Berm and Existing Sediment Basing Pad **Gauge Standard MS:** 576

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2502

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
2.	B24-0151	SP-SM, Poorly graded Sand with Silt and Gravel	141.7	OMC = 5.6%, ORC = 25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10"	North Berm | NE	TL	150.3	139.6	7.7	2	98.5	95
2	10"	North Berm | East	TL	150.3	140.1	7.3	2	98.9	95
3	10"	SW Sediment Basing Pad	SG	146.1	136.4	7.1	2	96.3	90
4	10"	NE Sediment Basing | NE	SG	142.6	133.6	6.7	2	94.3	90

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction ◉ Yes ○ No
Contractor notified of results ◉ Yes ○ No

Remarks:

MTC arrived onsite as requested by contractor to verify compaction of imported common borrow on North Berm and existing Sediment Basing Pad.

Contractor had already exerted compactive efforts on North Berm prior to arrival of inspector. MTC arrived onsite to observe contractor compacting material in Sediment Basing using hoe-pack.

Testing showed material to be passing minimum compaction requirements of 95% on top lift of North Berm and 90% on Sediment Basing Pad.

Contractor was notified of results prior to departure.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

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Images:

UPLOADED: 02/08/2024 08:56:43

UPLOADED: 02/08/2024 08:56:45 Test #1

UPLOADED: 02/08/2024 08:56:47 Test #2

UPLOADED: 02/08/2024 08:57:11 Test #3

UPLOADED: 02/08/2024 08:57:14 Test #4

REPORTED BY: Kenny Mendez REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D325407

CLIENT 3 Kings Environmental, Inc. **DATE** 02/09/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date:	Time Onsite:	Weather Conditions:	
02/09/2024	10:00AM		39 sunny

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location:	Anacortes water treatment plant/ berm work	**Gauge Standard MS:**	580
Equipment ID & Serial #:	Instrotek 3500, Ser. #4547	**Gauge Standard DS:**	2519

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM poorly graded silty sand mix	141.7	5.6

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10in	NE side of site near water tank	FG	150.1	140.7	6.7	1	99.3	95
2	10in	30ft SE of 1st test	FG	145.3	136.3	6.6	1	96.2	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived on site to perform compaction testing as requested at the NE side of the site. Compaction testing of a finished berm was requested. All compaction efforts were performed prior to MTC arrival. Two tests were taken. Both tests met or exceeded minimum compaction requirements.

Contractor was notified of results prior to leaving site

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 02/09/2024 10:36:04

UPLOADED: 02/09/2024 10:36:24

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 02/09/2024 10:36:46

REPORTED BY: Trevor Vance REVIEWED BY: Kevin Walters, Project Manager

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D325408

CLIENT 3 Kings Environmental, Inc. **DATE** 02/09/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 02/09/2024 **Time Onsite:** 10:00 AM **Weather Conditions:** 39 sunny

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Anacortes water treatment plant/ berm work **Gauge Standard MS:** 580

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2519

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM poorly graded silty sand mix	141.7	5.6

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10in	N corner of site	FG	144.6	135.9	6.4	1	95.9	95
2	10in	5ft SE of 1st test	FG	145.1	136.1	6.6	1	96	95
3	10in	5ft N of 1st test	FG	144.6	135.8	6.5	1	95.8	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived on site to perform compaction testing as requested. All compaction efforts were performed prior to MTC arrival in the North corner of the site. Three tests were requested over a previous hole that had been excavated. All tests met or exceeded minimum compaction requirements.

Contractor was notified of results prior to leaving site.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 02/09/2024 10:40:58

UPLOADED: 02/09/2024 10:41:13

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 02/09/2024 10:41:35

REPORTED BY: Trevor Vance REVIEWED BY: Kevin Walters, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D327208

CLIENT 3 Kings Environmental, Inc. **DATE** 03/29/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 03/29/2024 **Time Onsite:** 2pm **Weather Conditions:** Sunny / Cool

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Anacortes Water Treatment / Berm Work **Gauge Standard MS:** 9526

Equipment ID & Serial #: CPN MC-1, Ser. #MD20906738 **Gauge Standard DS:** 27718

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM , Poorly Graded Sand with Silt & Gravel	141.7	OMC = 5.6% / ORC = 25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	8"	48°26'17" N 122°22'14" W	-6ft FG	146	135.8	7.5	1	95.8	90
2	8"	48°26'17" N 122°22'12" W	-10ft FG	147.1	136.5	7.8	1	96.3	90
3	8"	48°26'16" N 122°22'12" W	-8ft FG	145.8	136.3	7	1	96.2	90
4	8"	48°26'19" N 122°22'10" W	-6ft FG	145.8	135	8	1	95.3	90

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived on site to test compaction of soils as requested by the contractor.

- Imported fill was being placed in 1ft lifts and methodically moisture treated as needed via hose. A large drum roller was being used for compaction, a total of 5 nuke gauge tests were taken and passed with a minimum of 90% compaction achieved. For specific locations see plans page in pictures. Areas were probed for firmness, under my full body weight maximum penetration less than 1.5", areas probed firm. No "Pumping " was observed while observing compaction.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

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UPLOADED: 03/31/2024 12:57:55

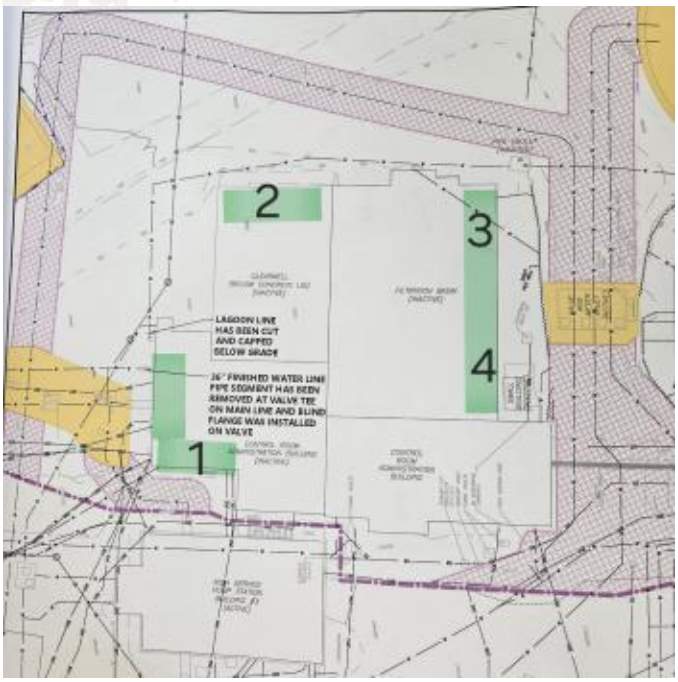
UPLOADED: 03/31/2024 12:57:57

UPLOADED: 03/31/2024 12:57:59

UPLOADED: 03/31/2024 12:58:01

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 03/31/2024 13:22:24



UPLOADED: 03/31/2024 13:22:26

REPORTED BY: Nick Brookhyser REVIEWED BY: Michael Houser, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D327224

CLIENT 3 Kings Environmental, Inc. **DATE** 04/01/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 04/01/2024 **Time Onsite:** 8:40 AM **Weather Conditions:** 58 partly cloudy

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: IPDS/ Pit **Gauge Standard MS:** 751

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2543

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM , Poorly Graded Sand with Silt & Gravel	141.7	OMC: 5.9% ORC=25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	8"	Filtration Basin	~FG -8'	147.8	139.6	5.9	1	98.5	95
2	8"	Inactive Admin Control	~FG -5'	146.2	137.7	6.2	1	97.2	95
3	6"	Clearwell	~FG -4'	148.4	140.8	5.4	1	99.4	95
4	6"	Admin Control Room	~FG -4'	144.4	136.4	5.9	1	96.3	95
5	6"	Filtration Basin	~FG -7'	148.1	139.6	6.1	1	98.5	95
6	8"	Clearwell	~FG -3'	146.7	138.5	5.9	1	97.7	95
6	8"	Clearwell	~FG -3'	146.7	138.5	5.9	1	97.7	95
7	8"	Admin Control Room	~FG -3'	149.1	140.8	5.9	1	99.4	95
7	8"	Admin Control Room	~FG -3'	149.1	140.8	5.9	1	99.4	95
8	6"	Inactive Admin Control Room	~FG -4'	145.6	137.1	6.2	1	96.8	95
8	6"	Inactive Admin Control Room	~FG -4'	145.6	137.1	6.2	1	96.8	95
9	10"	Filtration Basin	~FG -5'	146.8	138.1	6.3	1	97.5	95
10	8"	Admin Control Slope	~FG	145.5	137.8	5.6	1	97.2	95
11	4"	Admin Control Slope	~FG	142.6	134.8	5.8	1	95.1	95
12	8"	Admin Control Slope	~FG	142.8	134.6	6.1	1	95	95

☐ Native Soils	Soils consistent with Proctor	◉ Yes	○ No
☒ Imported Fills	Soils found to be firm and stable; and to the best of our knowledge, meet compaction	◉ Yes	○ No
	Contractor notified of results	◉ Yes	○ No

Remarks:

MTC was requested by the contractor to perform in-place density compaction testing on imported gravel borrow. The contractor notified the inspector the same material and proctor value from 03/29/24 (Report #D327208) would be used.

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Gravel Borrow was backfilled in 1' lifts inside the perimeter of a pit. Compaction was met using one large drum roller.

The pit was broken up into four sections: Clearwell, Filtration basin, Inactive admin control room, and Admin control room. Finish grade varied in sections due to height of pre-existing concrete wall.

The contractor notified the inspector at 3 feet below finish grade, backfill would be sloped at a 45° angle around the entire perimeter of pit. Compacted and additional backfill were sloped using a bulldozer and recompacted.

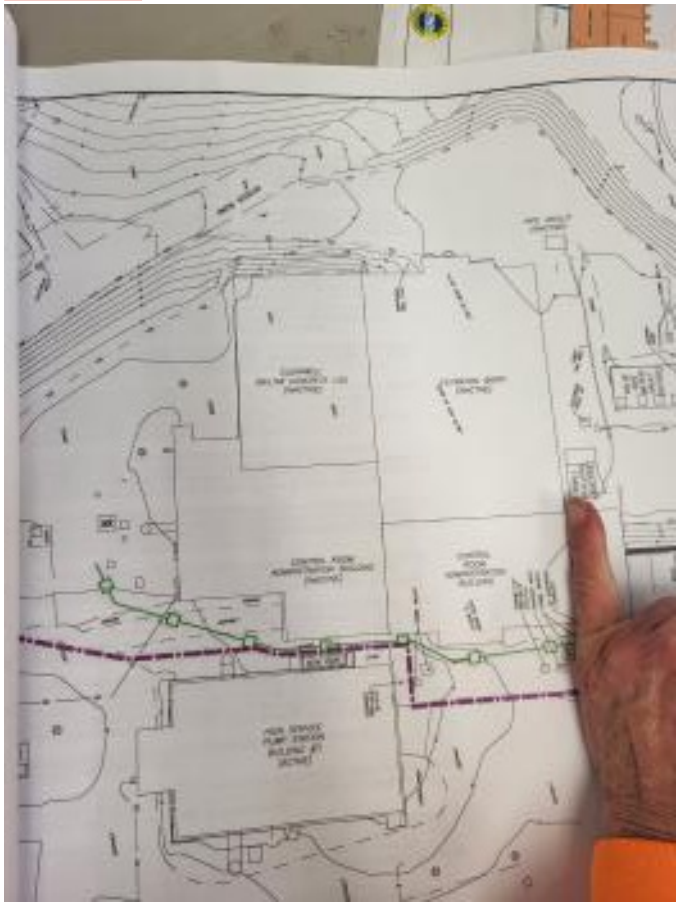
The inspector notified the contractor testing procedures with nuke gauge would be altered due to slope. Test #10-12 were performed on Admin Control Room slope.

All test met or exceeded expectations of 95% using a proctor value of 141.7 @ 5.9% moisture.

Contractor was notified of results prior to MTC departing.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:



UPLOADED: 04/01/2024 13:00:38

UPLOADED: 04/01/2024 13:01:05

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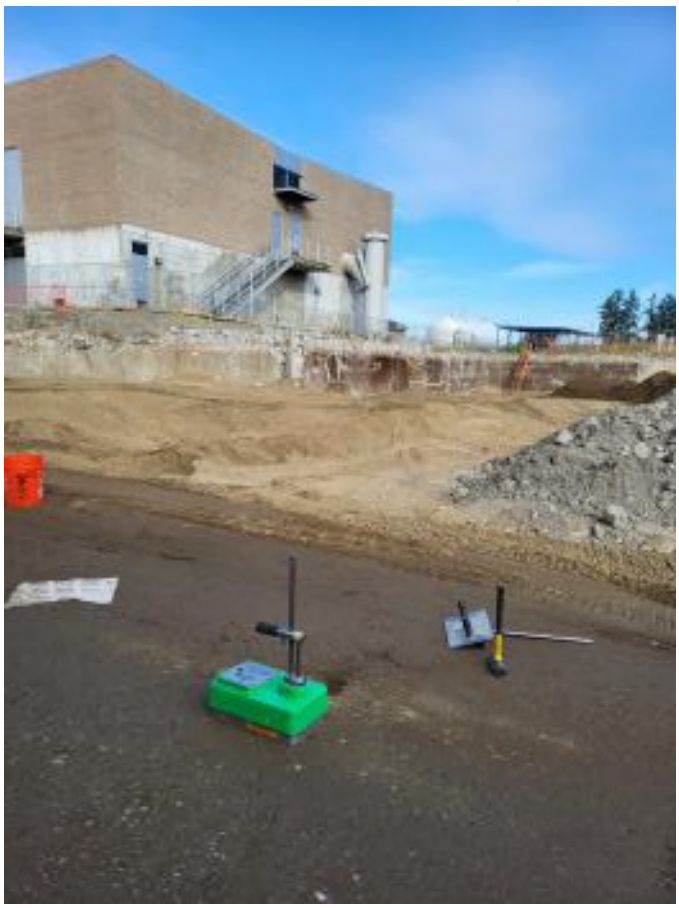

UPLOADED: 04/01/2024 13:03:07

UPLOADED: 04/01/2024 13:03:31

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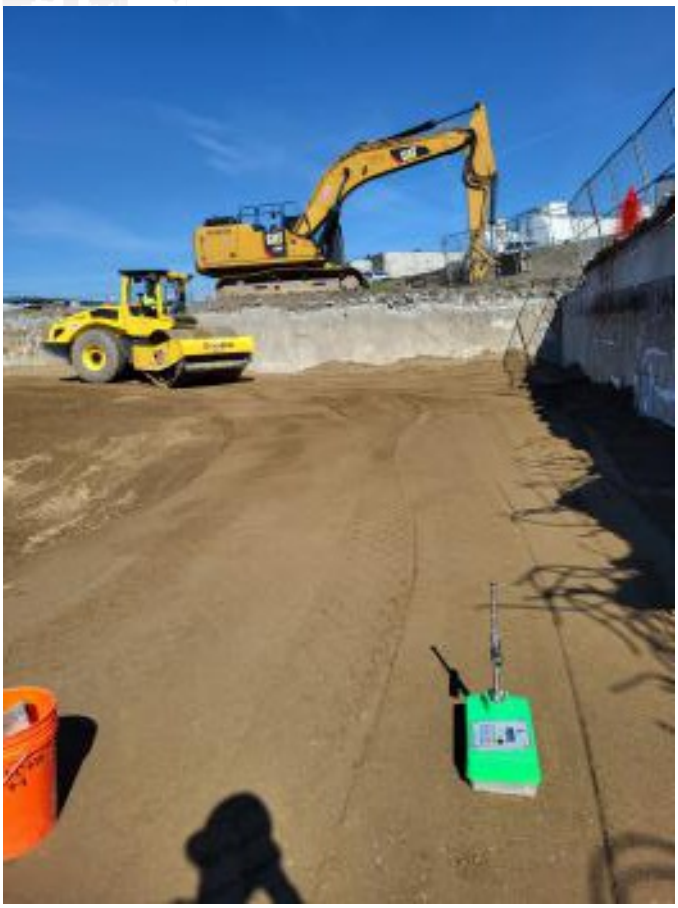
UPLOADED: 04/01/2024 13:03:57



UPLOADED: 04/01/2024 13:04:43

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 04/01/2024 15:36:31

UPLOADED: 04/01/2024 15:37:46

UPLOADED: 04/01/2024 15:39:12

REPORTED BY: Tyler McDonald REVIEWED BY: Michael Houser, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D327258

CLIENT 3 Kings Environmental, Inc. **DATE** 04/02/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 04/02/2024 **Time Onsite:** 08:50 AM **Weather Conditions:** 60 mostly cloudy

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: IPDS/ Pit **Gauge Standard MS:** 751

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2543

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM , Poorly Graded Sand with Silt & Gravel	141.7	OMC: 5.9% ORC=25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	10"	Inactive Control Room	~FG -3'	143.9	135.8	6	1	95.8	95
2	10"	Clearwell	~FG -3'	149.6	139.8	7	1	98.7	95
3	10"	Clear well/ NE Slope	~FG -2'	144.1	136.1	5.9	1	96	95
4	8"	Clear well/ NE Slope	~FG -2'	143.7	135.1	6.4	1	95.3	95
5	10"	Inactive Control/ NW Slope	~FG -2'	148.2	139.9	5.9	1	98.7	95
6	6"	Inactive Control/ NW Slope	~FG -2'	144.9	137.2	5.6	1	96.8	95
7	8"	Clearwell/ NW Slope	~FG -2'	144.9	137.3	5.5	1	96.9	95
8	10"	Clearwell/ NW Slope	~FG-2'	142.5	134.9	5.6	1	95.2	95
9	8"	Filtration Basin/ SE Slope	~ FG -1'	146.7	139.2	5.4	1	98.2	95
10	6"	Inactive Admin Control Room/ Pit	~FG -4'	145	136.7	6.1	1	96.5	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC was requested by the contractor to perform In-place density compaction testing on gravel borrow backfill.

A 1' lift of backfill was placed in clear well, and inactive admin control room sections of pit perimeter. All compacted material around the perimeter was roughly 3' below finish grade.

The contractor began bulldozing excess backfill to create a 45° angle against the existing concrete wall. Each lift was bulldozed, recompacted with a large drum roller, and tested.

The inspector notified the contractor of typical nuke gauge testing procedures prior to testing slopes.

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

All test met or exceeded expectations of 95% compaction using a proctor value of 141.7 (OMC: 5.9%)

Inspector notified contractor of test results and a currently compacted area (Center of NE pit wall between clearwell and filtration basin) that was excavated to access the stockpile. The inspector recommended recompacting in 1' lifts as done previously.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Work in progress. Additional inspection needed.

Images:

UPLOADED: 04/02/2024 17:59:14

UPLOADED: 04/02/2024 18:00:37

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UPLOADED: 04/02/2024 18:01:22

UPLOADED: 04/02/2024 18:02:09

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UPLOADED: 04/02/2024 18:02:59

UPLOADED: 04/02/2024 18:03:51

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UPLOADED: 04/02/2024 18:05:09

UPLOADED: 04/02/2024 18:05:46

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 04/02/2024 18:06:31

REPORTED BY: Tyler McDonald REVIEWED BY: Michael Houser, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D327283

CLIENT 3 Kings Environmental, Inc. **DATE** 04/03/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 04/03/2024 **Time Onsite:** 9:36 am **Weather Conditions:** 44 showers

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: IPDS/ Clearwell Pit **Gauge Standard MS:** 362

Equipment ID & Serial #: Instrotek 3500, Ser. #4547 **Gauge Standard DS:** 2506

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM , Poorly Graded Sand with Silt & Gravel	141.7	OMC: 5.9% ORC=25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	8"	NE side of Clearwell	1st Lift	144.7	134.7	7.4	1	95.1	95
2	8"	NE side of Clearwell	2nd Lift	149.6	140.7	6.3	1	99.3	95
3	12"	NE side of Clearwell	3rd Lift	144.6	135.5	6.7	1	95.6	95
4	10"	NE side of Clearwell	4th Lift	143.2	135.2	5.9	1	95.4	95

☐ Native Soils	Soils consistent with Proctor	◉ Yes	○ No
☒ Imported Fills	Soils found to be firm and stable; and to the best of our knowledge, meet compaction	◉ Yes	○ No
	Contractor notified of results	◉ Yes	○ No

Remarks:

MTC arrived onsite as requested by the contractor to observe and test the compaction of Gravel Borrow backfill at Clearwell pit.

MTC observed the contractor use a BW 211 D large steel drum roller to compact gravel borrow on NE side of Clearwell pit. The contractor compacted four 1' lifts of gravel borrow on the NE side of the Clearwell pit.

After receiving fresh loads of Gravel Borrow from Miles Hamilton pit, MTC observed the contractor spread material across North and Southeast perimeter of Clearwell pit using a CAT D5M bulldozer.

MTC performed in-place density tests on each 1' lift of compacted gravel borrow on the NE side of Clearwell pit. Testing showed gravel borrow lifts had met or exceeded minimum compaction requirements of 95%.

The contractor was notified of the results prior to departure.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

specifications and approved plans.

Images:

UPLOADED: 04/03/2024 11:43:17

UPLOADED: 04/03/2024 11:43:19

UPLOADED: 04/03/2024 13:45:22 Test #2

UPLOADED: 04/03/2024 13:45:25

UPLOADED: 04/03/2024 13:45:27

UPLOADED: 04/03/2024 14:24:40 Test #3

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 04/03/2024 14:24:42 Test #4

UPLOADED: 04/03/2024 14:26:48

UPLOADED: 04/03/2024 14:26:50

UPLOADED: 04/03/2024 14:26:52

UPLOADED: 04/03/2024 14:30:10

REPORTED BY: Kenny Mendez REVIEWED BY: Michael Houser, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D327408

CLIENT 3 Kings Environmental, Inc. **DATE** 04/04/2024
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 04/04/2024 **Time Onsite:** 9:00 AM **Weather Conditions:** 48 Overcast

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: IPDS/ Clearwell Pit **Gauge Standard MS:** 1077

Equipment ID & Serial #: Troxler 3450, Ser. #765 **Gauge Standard DS:** 4773

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B24-0151	SP-SM , Poorly Graded Sand with Silt & Gravel	141.7	OMC: 5.9% ORC=25%

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	8"	N Wall	Top Lift	142.1	134.7	5.5	1	95.1	95
2	8"	E Wall	Top Lift	143.1	135.3	5.8	1	95.5	95
3	8"	S Wall	Top Lift	142.3	135.5	5	1	95.6	95
4	8"	W Wall	Top Lift	142	134.6	5.5	1	95	95
5	8"	NW Corner Wall	Top Lift	143	135.4	5.6	1	95.6	95
6	8"	SE Corner Wall	Top Lift	141.4	134.7	5	1	95.1	95

☐ Native Soils
☒ Imported Fills

Soils consistent with Proctor — ◉ Yes ○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction — ◉ Yes ○ No
Contractor notified of results — ◉ Yes ○ No

Remarks:

MTC arrived onsite as requested by the contractor to observe and test the compaction of Gravel Borrow backfill at Clearwell pit.

MTC observed the contractor use a BW 211 D large steel drum roller to compact gravel borrow on each side of Clearwell pit. The contractor compacted a 1' lift of gravel borrow on the top of each side of the Clearwell pit.

After receiving fresh loads of Gravel Borrow from Miles Hamilton pit, MTC observed the contractor spread material across each side of the Clearwell pit using a CAT D5M bulldozer.

MTC performed in-place density tests on each 1' lift of compacted gravel borrow on each side of Clearwell pit. Testing showed gravel borrow lifts had met or exceeded minimum compaction requirements of 95%.

The contractor was notified of the results prior to departure.

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

To the best of MTC inspector's knowledge, the above-described work was performed in general accordance with project specifications and approved plans.

Images:

UPLOADED: 04/08/2024 18:30:33

UPLOADED: 04/08/2024 18:30:35

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 04/08/2024 18:30:38

UPLOADED: 04/08/2024 18:31:26

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UPLOADED: 04/08/2024 18:31:28

UPLOADED: 04/08/2024 18:31:31

REPORTED BY: Christopher Lott REVIEWED BY: Kevin Walters, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

Anacortes Water Treatment Plant - 23B235 - IPD-Soil Compaction: Report #D322395

CLIENT 3 Kings Environmental, Inc. **DATE** 11/22/2023
PROJECT LOCATION 14489 River Bend Road Mount Vernon WA 98273 **PERMIT #**

Inspection Information:

Inspection Date: 11/22/2023 **Time Onsite:** 09:00 AM **Weather Conditions:** 49

Inspection Performed: IPD-Soil Compaction

Field Data:

Work / Location: Settlement Basin **Gauge Standard MS:** 655

Equipment ID & Serial #: Troxler 3430, Ser. #27050 **Gauge Standard DS:** 1742

Test Samples:

	Sample #:	Description:	Proctor Value(pcf):	Optimum Moisture and Oversize Rock Correction:
1.	B23-081		106.1	Pcf @ 13.1

TEST METHOD ☒ ASTM D-1557 /AASHTO T-180

In Place Density Test Results (ASTM D-6938):

Test #	Mode / Depth	Location of Test	Elev.	Wet Dens.	Dry Dens.	Moist %	Sample #	% Comp.	% Reqd.
1	12	NW corner		107.2	69.4	54.4	1	65.4	95
2	12	NE corner		106.8	76.1	40.3	1	71.7	95
3	12	Center		104.3	75	39.1	1	70.7	95

☐ Native Soils
☐ Imported Fills

Soils consistent with Proctor	◉ Yes	○ No
Soils found to be firm and stable; and to the best of our knowledge, meet compaction	○ Yes	◉ No
Contractor notified of results	◉ Yes	○ No

Remarks:

MTC arrived on site to preform compaction testing on soil. Sheep's foot roller was used before testing the soil. An excavator was used to flattened down the soil. Proctor used was a 106.1 pcf @ 13.1. All tests taken were not passing due to soil having to much moisture. Contractor was informed before leaving site.

Images:

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

UPLOADED: 12/03/2023 21:39:17

UPLOADED: 12/03/2023 21:40:39

UPLOADED: 12/03/2023 21:42:27

REPORTED BY: Vaughn McNamara REVIEWED BY: Kevin Walters, Project Manager

All results apply only to actual locations and materials tested. As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of clients, and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval.

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TAB 2 - Waste Tracking

PCB Concrete Tracking

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
1	18614101	8619	8/21/2023	38740	17569.16	19.37	12.30	2
2	18614102	8578	8/21/2023	36560	16580.50	18.28	11.22	2
3	18614103	8838	8/21/2023	50000	22675.74	25.00	23.19	2
4	18614104	8738	8/21/2023	37420	16970.52	18.71	20.73	2
5	18614105	8812	8/22/2023	39060	17714.29	19.53	19.19	2
6	18614106	8542	8/28/2023	41000	18594.10	20.50	20.47	2
7	18614107	8564	8/28/2023	40000	18140.59	20.00	20.41	2
8	18614108	8560	8/28/2023	40000	18140.59	20.00	21.13	2
9	18614109	8515	8/28/2023	40000	18140.59	20.00	20.72	2
10	18614110	8857	8/29/2023	40000	18140.59	20.00	17.19	2
11	18614111	8567	8/29/2023	40000	18140.59	20.00	14.56	2
12	18614112	8506	8/29/2023	40000	18140.59	20.00	19.10	2
13	18614113	8671	8/29/2023	40000	18140.59	20.00	16.57	2
14	18614114	8522	8/30/2023	40000	18140.59	20.00	18.17	2
15	18614115	8683	8/30/2023	40000	18140.59	20.00	18.54	2
16	18614116	8702	8/30/2023	40000	18140.59	20.00	22.14	2
17	18614117	8793	8/30/2023	40000	18140.59	20.00	17.39	2
18	18614118	8775	8/31/2023	40000	18140.59	20.00	18.00	3
19	18614119	8846	8/31/2023	40000	18140.59	20.00	18.71	3
20	18614120	8722	8/31/2023	40000	18140.59	20.00	20.56	3
21	18614121	8754	8/31/2023	40000	18140.59	20.00	21.69	3
22	18614122	8716	9/5/2023	40000	18140.59	20.00	17.95	3
23	18614123	8809	9/5/2023	40000	18140.59	20.00	18.75	3
24	18614124	8656	9/5/2023	40000	18140.59	20.00	22.28	3
25	18614125	8840	9/5/2023	40000	18140.59	20.00	21.61	3
26	18614126	8545	9/6/2023	40000	18140.59	20.00	18.27	3
27	18614127	8725	9/6/2023	40000	18140.59	20.00	21.29	3
28	18614128	8681	9/6/2023	40000	18140.59	20.00	22.47	3

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
29	18614129	8534	9/6/2023	40000	18140.59	20.00	22.97	3
30	18614130	8600	9/6/2023	40000	18140.59	20.00	21.76	3
31	18614131	8619	9/7/2023	40000	18140.59	20.00	20.25	3
32	18614132	8694	9/6/2023	40000	18140.59	20.00	22.55	3
33	18614133	8677	9/7/2023	40000	18140.59	20.00	20.46	3
34	18614134	8674	9/8/2023	40000	18140.59	20.00	17.87	3
35	18614135	8758	9/8/2023	40000	18140.59	20.00	18.45	3
36	18614136	8503	9/11/2023	40000	18140.59	20.00	20.39	3
37	18614137	8355	9/11/2023	40000	18140.59	20.00	19.14	3
38	18614138	8687	9/11/2023	40000	18140.59	20.00	20.21	3
39	18614139	8607	9/11/2023	40000	18140.59	20.00	20.34	3
40	18614140	8838	9/12/2023	40000	18140.59	20.00	20.14	3
41	18614141	8565	9/12/2023	40000	18140.59	20.00	18.11	3
42	18614142	8613	9/13/233	40000	18140.59	20.00	19.32	3
43	18614143	8808	9/13/2023	40000	18140.59	20.00	20.17	3
44	18614144	8719	9/13/2023	40000	18140.59	20.00	21.69	3
45	18614145	8644	9/13/2023	40000	18140.59	20.00	15.56	3
46	18614146	8720	9/14/2023	40000	18140.59	20.00	20.86	3
47	18614147	8529	9/14/2023	40000	18140.59	20.00	19.37	3
48	18614148	9532	9/14/2023	40000	18140.59	20.00	21.49	3
49	18614149	8739	9/18/2023	40000	18140.59	20.00	16.70	3
50	18614150	8611	9/18/2023	40000	18140.59	20.00	13.16	3
51	18614151	8645	9/18/2023	40000	18140.59	20.00	24.64	3
52	18614152	8609	9/18/2023	40000	18140.59	20.00	16.09	3
53	18614153	8520	9/19/2023	40000	18140.59	20.00	18.45	3
54	18614154	8843	9/19/2023	40000	18140.59	20.00	19.10	3
55	18614155	8628	9/19/2023	40000	18140.59	20.00	18.95	3
56	18614156	8549	9/19/2023	40000	18140.59	20.00	18.08	3
57	18614157	8673	9/20/2023	40000	18140.59	20.00	19.85	3
58	18614158	8673	9/20/2023	40000	18140.59	20.00	20.43	3

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
59	18614159	8700	9/20/2023	40000	18140.59	20.00	19.85	3
60	18614160	8834	9/20/2023	40000	18140.59	20.00	19.08	3
61	18614161	8911	9/21/2023	40000	18140.59	20.00	21.85	3
62	18614162	8623	9/21/2023	40000	18140.59	20.00	20.28	3
63	18614163	8792	9/21/2023	40000	18140.59	20.00	18.72	4
64	18614164	8593	9/21/2002	40000	18140.59	20.00	20.08	4
65	18614165	8621	9/25/2023	40000	18140.59	20.00	16.78	4
66	18614166	8705	9/25/2023	40000	18140.59	20.00	18.32	4
67	18614167	8565	9/26/2023	40000	18140.59	20.00	18.59	4
68	18614168	8681	9/26/2023	40000	18140.59	20.00	19.68	4
69	18614169	8533	9/27/2023	40000	18140.59	20.00	17.43	4
70	18614170	8713	9/27/2023	40000	18140.59	20.00	20.06	4
71	18614171	8807	9/27/2023	40000	18140.59	20.00	18.78	4
72	18614172	8779	10/9/2023	40000	18140.59	20.00	18.69	4
73	18614173	8551	Oct-23	40000	18140.59	20.00	18.26	4
74	18614174	8978	10/9/2023	40000	18140.59	20.00	22.09	4
75	18614175	8661	10/9/2023	40000	18140.59	20.00	20.10	4
76	18614176	8646	10/10/2023	40000	18140.59	20.00	17.35	4
77	18614177	8532	10/10/2023	40000	18140.59	20.00	18.39	4
78	18614178	8782	10/10/2023	40000	18140.59	20.00	18.02	4
79	18614179	8798	10/10/2023	40000	18140.59	20.00	20.71	4
80	18614180	8844	10/11/2023	40000	18140.59	20.00	22.45	4
81	18614181	8808	10/11/2023	40000	18140.59	20.00	19.52	4
82	18614182	8506	10/11/2023	40000	18140.59	20.00	21.92	4
83	18614183	8650	10/11/2023	40000	18140.59	20.00	21.26	4
84	18614184	8838	10/13/2023	40000	18140.59	20.00	22.61	4
85	18614185	8712	10/12/2023	40000	18140.59	20.00	19.58	4
86	18614186	8837	10/12/2023	40000	18140.59	20.00	19.77	4
87	18614187	8769	10/12/2023	40000	18140.59	20.00	18.63	4
88	18614188	8775	10/16/2023	40000	18140.59	20.00	19.30	4

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
89	18614189	8800	10/16/2023	40000	18140.59	20.00	18.77	4
90	18614190	8747	10/16/2023	40000	18140.59	20.00	21.44	4
91	18614191	8858	10/16/2023	40000	18140.59	20.00	20.19	4
92	18614192	8719	10/16/2023	40000	18140.59	20.00	22.64	4
93	18614193	8713	10/17/2023	40000	18140.59	20.00	17.66	4
94	18614194	8534	10/17/2023	40000	18140.59	20.00	22.61	4
95	18614195	8702	10/17/2023	40000	18140.59	20.00	21.86	4
96	18614196	8831	10/17/2023	40000	18140.59	20.00	20.21	4
97	~~18614197~~	~~8645~~	~~10/17/2023~~	~~40000~~	~~18140.59~~	VOIDED	MANIFEST	~~4~~
98	18614198	8549	11/2/2023	40000	18140.59	20.00	16.42	5
99	18614199	8740	11/2/2023	40000	18140.59	20.00	18.96	5
100	18614200	8800	10/16/2023	40000	18140.59	20.00	23.60	4
101	18614201	8690	11/6/2023	40000	18140.59	20.00	18.31	5
102	18614202	8643	11/6/2023	40000	18140.59	20.00	22.74	5
103	18614203	8730	12/11/2023	40000	18140.59	20.00	21.13	6
104	18614204	8792	12/11/2023	40000	18140.59	20.00	20.88	6
105	18614205	8505	12/11/2023	40000	18140.59	20.00	20.63	6
106	18614206	8553	12/11/2023	40000	18140.59	20.00	21.88	6
107	18614207	8696	12/12/2023	40000	18140.59	20.00	16.87	6
108	18614208	8761	12/12/2023	40000	18140.59	20.00	20.57	6
109	18614209	8857	12/13/2023	40000	18140.59	20.00	20.33	6
110	18614210	8778	12/13/2023	40000	18140.59	20.00	20.35	6
111	18614211	8515	12/14/2023	40000	18140.59	20.00	20.00	6
112	18614212	8946	12/14/2023	40000	18140.59	20.00	21.84	6
113	18614213	8551	12/15/2023	40000	18140.59	20.00	17.88	6
114	18614214	8812	12/15/2023	40000	18140.59	20.00	19.56	6
115	18614215	8708	12/15/2023	40000	18140.59	20.00	21.57	6
116	18614216	8738	12/18/2023	40000	18140.59	20.00	19.24	6
117	18614217	8880	12/18/2023	40000	18140.59	20.00	21.91	6
118	18614218	8684	12/19/2023	40000	18140.59	20.00	20.50	6

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
119	18614219	8590	12/19/2023	40000	18140.59	20.00	19.82	6
120	18614220	8571	12/19/2023	40000	18140.59	20.00	21.50	6
121	18614221	8937	12/20/2023	40000	18140.59	20.00	21.99	6
122	18614222	8944	12/20/2023	40000	18140.59	20.00	20.68	6
123	18614223	8717	12/21/2023	40000	18140.59	20.00	21.37	6
124	18614224	8909	12/21/2023	40000	18140.59	20.00	22.38	6
125	18614225	8732	12/21/2023	40000	18140.59	20.00	21.83	6
126	18614226	8703	12/21/2023	40000	18140.59	20.00	21.47	6
127	18614227	8956	12/22/2023	40000	18140.59	20.00	20.66	6
128	18614228	8582	12/22/2023	40000	18140.59	20.00	19.99	6
129	18614229	8517	12/22/2023	40000	18140.59	20.00	21.14	6
130	18614230	8960	12/22/2023	40000	18140.59	20.00	22.12	6
131	18614231	8561	12/22/2023	40000	18140.59	20.00	20.99	6
132	18614232	8706	12/26/2023	40000	18140.59	20.00	20.29	6
133	18614233	8612	12/26/2023	40000	18140.59	20.00	22.11	6
134	18614234	8513	12/27/2023	40000	18140.59	20.00	22.13	7
135	18614235	8749	12/27/2023	40000	18140.59	20.00	21.16	7
136	18614236	8734	12/27/2023	40000	18140.59	20.00	17.79	7
137	18614237	8631	12/27/2023	40000	18140.59	20.00	20.37	7
138	18614238	8767	12/28/2023	40000	18140.59	20.00	19.75	7
139	18614239	8800	12/28/2023	40000	18140.59	20.00	21.58	7
140	18614240	8686	12/28/2023	40000	18140.59	20.00	21.20	7
141	18614241	8693	12/28/2023	40000	18140.59	20.00	22.61	7
142	18614242	9842	12/28/2023	40000	18140.59	20.00	21.17	7
143	18614243	8945	12/20/2023	40000	18140.59	20.00	21.67	6
144	18614244	WMXU 910465	12/29/2023	40000	18140.59	20.00	20.58	7
145	18614245	910469	12/29/2023	40000	18140.59	20.00	20.82	7
146	18614246	910414	12/29/2023	40000	18140.59	20.00	19.34	7
147	18614247	910438	12/29/2023	40000	18140.59	20.00	22.66	7
148	18614248	910460	1/2/2024	40000	18140.59	20.00	21.13	7

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
149	18614249	910419	1/2/2024	40000	18140.59	20.00	19.70	7
150	19271863	300114	1/3/2024	40000	18140.59	20.00	19.35	7
151	19271864	8721	1/3/2024	40000	18140.59	20.00	19.45	7
152	19271865	8871	1/3/2024	40000	18140.59	20.00	19.91	7
153	19271866	8955	1/3/2024	40000	18140.59	20.00	22.39	7
154	19271867	300134	1/4/2024	40000	18140.59	20.00	19.19	7
155	19271868	8541	1/4/2024	40000	18140.59	20.00	20.31	7
156	19271869	8845	1/4/2024	40000	18140.59	20.00	20.70	7
157	19271870	8722	1/4/2024	40000	18140.59	20.00	21.20	7
158	19271871	8952	1/4/2024	40000	18140.59	20.00	21.47	7
159	19271872	8886	1/5/2024	40000	18140.59	20.00	21.34	7
160	19271873	8959	1/5/2024	40000	18140.59	20.00	21.15	7
161	19271874	8885	1/5/2024	40000	18140.59	20.00	21.74	7
162	19271875	8958	1/5/2024	40000	18140.59	20.00	22.79	7
163	19271876	8785	1/8/2024	40000	18140.59	20.00	20.08	7
164	19271877	8624	1/8/2024	40000	18140.59	20.00	18.01	7
165	19271878	8692	1/8/2024	40000	18140.59	20.00	20.14	7
166	19271879	8705	1/8/2024	40000	18140.59	20.00	19.82	7
167	19271880	620194	1/9/2024	40000	18140.59	20.00	19.64	7
168	19271881	8908	1/9/2024	40000	18140.59	20.00	23.06	7
169	19271882	620152	1/10/2024	40000	18140.59	20.00	16.03	7
170	19271883	620098	1/10/2024	40000	18140.59	20.00	19.31	7
171	19271884	620088	1/10/2024	40000	18140.59	20.00	18.95	7
172	19271885	620110	1/10/2024	40000	18140.59	20.00	20.29	7
173	19271886	620169	1/11/2024	40000	18140.59	20.00	16.55	7
174	19271887	620119	1/11/2024	40000	18140.59	20.00	19.08	7
175	19271888	620103	1/11/2024	40000	18140.59	20.00	19.93	7
176	19271889	8860	1/11/2024	40000	18140.59	20.00	21.72	7
177	19271890	8598	1/11/2024	40000	18140.59	20.00	20.01	7
178	19271891	620109	1/15/2024	40000	18140.59	20.00	17.03	7

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
179	19271892	620134	1/15/2024	40000	18140.59	20.00	18.35	7
180	19271893	620215	1/15/2024	40000	18140.59	20.00	16.32	7
181	19271894	620164	1/15/2024	40000	18140.59	20.00	16.90	7
182	19271895	620195	1/15/2024	40000	18140.59	20.00	17.16	7
183	19271896	620163	1/15/2024	40000	18140.59	20.00	18.58	7
184	19271897	620200	1/16/2024	40000	18140.59	20.00	15.46	7
185	19271898	620209	1/16/2024	40000	18140.59	20.00	16.99	7
186	19271899	620116	1/16/2024	40000	18140.59	20.00	18.59	7
187	19271900	620130	1/16/2024	40000	18140.59	20.00	18.78	7
188	19271901	620115	1/19/2024	40000	18140.59	20.00	19.67	8
189	19271902	620154	1/19/2024	40000	18140.59	20.00	18.30	8
190	19271903	620144	1/19/2024	40000	18140.59	20.00	20.56	8
191	19271904	620133	1/19/2024	40000	18140.59	20.00	19.23	8
192	19271905	620202	1/19/2024	40000	18140.59	20.00	20.78	8
193	19271906	8570	1/19/2024	40000	18140.59	20.00	21.41	8
194	19271907	8787	1/22/2024	40000	18140.59	20.00	21.25	8
195	19271908	8676	1/22/2024	40000	18140.59	20.00	22.42	8
196	19271909	8793	1/22/2024	40000	18140.59	20.00	22.27	8
197	19271910	8589	1/22/2024	40000	18140.59	20.00	21.43	8
198	19271911	8528	1/23/2024	40000	18140.59	20.00	20.69	8
199	19271912	8772	1/23/2024	40000	18140.59	20.00	21.11	8
200	19271913	8717	1/23/2024	40000	18140.59	20.00	20.69	8
201	19271914	8800	1/23/2024	40000	18140.59	20.00	22.26	8
202	19271915	8909	1/24/2024	40000	18140.59	20.00	20.51	8
203	19271916	8778	1/24/2024	40000	18140.59	20.00	19.74	8
204	19271917	8941	1/24/2024	40000	18140.59	20.00	21.04	8
205	19271918	8503	1/24/2024	40000	18140.59	20.00	20.05	8
206	19271919	8904	1/30/2024	40000	18140.59	20.00	21.46	8
207	19271920	8867	1/30/2024	40000	18140.59	20.00	23.12	8
208	19271921	8437	1/30/2024	40000	18140.59	20.00	21.83	8

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
209	19271922	8651	2/5/2024	40000	18140.59	20.00	19.06	8
210	19271923	8848	2/5/2024	40000	18140.59	20.00	19.89	8
211	19271924	8855	2/5/2024	40000	18140.59	20.00	19.01	8
212	19271925	8513	2/5/2024	40000	18140.59	20.00	20.34	8
213	19271926	8785	2/6/2024	40000	18140.59	20.00	18.08	8
214	19271927	300055	2/6/2024	40000	18140.59	20.00	18.61	8
215	19271928	8685	2/6/2024	40000	18140.59	20.00	20.25	8
216	19271929	8775	2/6/2024	40000	18140.59	20.00	19.91	8
217	19271930	8520	2/7/2024	40000	18140.59	20.00	20.83	8
218	19271931	8517	2/7/2024	40000	18140.59	20.00	20.31	8
219	19271932	8942	2/7/2024	40000	18140.59	20.00	19.77	8
220	19271933	8888	2/7/2024	40000	18140.59	20.00	19.59	8
221	19271934	8623	2/13/2024	40000	18140.59	20.00	19.60	8
222	19271935	8753	2/13/2024	40000	18140.59	20.00	19.85	8
223	19271936	8769	2/12/2024	40000	18140.59	20.00	18.08	8
224	19271937	8684	2/13/2024	40000	18140.59	20.00	17.43	8
225	19271938	8835	2/13/2024	40000	18140.59	20.00	20.27	8
226	19271939	8822	2/13/2024	40000	18140.59	20.00	21.16	8
227	19271940	8524	2/13/2024	40000	18140.59	20.00	20.18	8
228	19271941	8626	2/13/2024	40000	18140.59	20.00	19.09	8
229	19271942	8595	2/13/2024	40000	18140.59	20.00	19.87	8
230	19271943	8533	2/13/2024	40000	18140.59	20.00	20.01	8
231	19271944	8687	2/14/2024	40000	18140.59	20.00	21.43	8
232	19271945	8726	2/14/2024	40000	18140.59	20.00	20.32	8
233	19271946	8541	2/14/2024	40000	18140.59	20.00	21.74	8
234	19271947	8542	2/14/2024	40000	18140.59	20.00	19.38	8
235	19271948	8747	2/14/2024	40000	18140.59	20.00	19.94	8
236	19271949	8534	2/14/2024	40000	18140.59	20.00	19.29	8
237	19271950	8909	2/15/2024	40000	18140.59	20.00	20.97	8
238	19271951	8904	2/15/2024	40000	18140.59	20.00	23.19	8

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
239	19271952	8779	2/15/2024	40000	18140.59	20.00	21.36	8
240	19271953	8643	2/15/2024	40000	18140.59	20.00	21.77	8
241	19271954	8958	2/15/2024	40000	18140.59	20.00	23.29	8
242	19271955	8959	2/15/2024	40000	18140.59	20.00	22.17	8
243	19271956	8778	2/16/2024	40000	18140.59	20.00	20.45	8
244	19271957	8813	2/16/2024	40000	18140.59	20.00	21.41	8
245	19271958	8853	2/16/2024	40000	18140.59	20.00	21.06	8
246	19271959	8757	2/16/2024	40000	18140.59	20.00	22.68	8
247	19271960	8847	2/16/2024	40000	18140.59	20.00	20.92	8
248	19271961	8519	2/16/2024	40000	18140.59	20.00	20.55	8
249	19271962	8841	2/20/2024	40000	18140.59	20.00	20.28	8
250	19271963	8513	2/20/2024	40000	18140.59	20.00	19.79	8
251	17420012	8883	2/20/2024	40000	18140.59	20.00	21.10	8
252	17420013	8939	2/20/2024	40000	18140.59	20.00	21.27	8
253	17420014	8914	2/21/2024	40000	18140.59	20.00	20.26	8
254	17420015	8913	2/21/2024	40000	18140.59	20.00	19.96	8
255	17420016	8917	2/21/2024	40000	18140.59	20.00	19.42	8
256	17420017	8894	2/23/2024	40000	18140.59	20.00	22.59	8
257	17420018	8944	2/23/2024	40000	18140.59	20.00	24.16	8
258	17420019	8952	2/23/2024	40000	18140.59	20.00	23.02	8
259	17420020	8953	2/23/2024	40000	18140.59	20.00	22.63	8
260	17420021	8874	2/23/2024	40000	18140.59	20.00	21.99	8
261	17420022	8927	2/23/2024	40000	18140.59	20.00	23.99	8
262	17420023	3000242	2/23/2024	40000	18140.59	20.00	18.52	8
263	17420024	8600	2/26/2024	40000	18140.59	20.00	20.79	9
264	17420025	8648	2/26/2024	40000	18140.59	20.00	19.79	9
265	17420026	8816	2/26/2024	40000	18140.59	20.00	19.99	9
266	17420027	8692	2/26/2024	40000	18140.59	20.00	22.23	9
267	17420028	8770	2/26/2024	40000	18140.59	20.00	20.12	9
268	17420029	8946	2/27/2024	40000	18140.59	20.00	19.78	9

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
269	17420030	8857	2/27/2024	40000	18140.59	20.00	18.46	9
270	17420031	8880	2/27/2024	40000	18140.59	20.00	21.30	9
271	17420032	8900	2/28/2024	40000	18140.59	20.00	21.30	9
272	17420033	8911	2/28/2024	40000	18140.59	20.00	23.04	9
273	17420034	8891	2/28/2024	40000	18140.59	20.00	21.75	9
274	17420035	8865	2/28/2024	40000	18140.59	20.00	24.01	9
275	17420036	8890	2/28/2024	40000	18140.59	20.00	22.56	9
276	17420037	8868	2/28/2024	40000	18140.59	20.00	22.99	9
277	17420038	8916	2/28/2024	40000	18140.59	20.00	19.71	9
278	17420039	8596	2/29/2024	40000	18140.59	20.00	18.68	9
279	17420040	8767	2/29/2024	40000	18140.59	20.00	19.34	9
280	17420041	8884	2/29/2024	40000	18140.59	20.00	20.09	9
281	17420042	8583	2/29/2024	40000	18140.59	20.00	19.16	9
282	17420043	8931	3/1/2024	40000	18140.59	20.00	19.13	9
283	17420044	8631	3/1/2024	40000	18140.59	20.00	19.93	9
284	17420045	8535	3/1/2024	40000	18140.59	20.00	20.66	9
285	17420046	8563	3/1/2024	40000	18140.59	20.00	20.98	9
286	17420047	8749	3/1/2024	40000	18140.59	20.00	21.59	9
287	17420048	8640	3/1/2024	40000	18140.59	20.00	20.77	9
288	17420049	8568	3/5/2024	40000	18140.59	20.00	20.66	9
289	17420050	8809	3/5/2024	40000	18140.59	20.00	20.84	9
290	17420051	8957	3/5/2024	40000	18140.59	20.00	20.65	9
291	17420052	8917	3/5/2024	40000	18140.59	20.00	21.29	9
292	17420053	8782	3/6/2024	40000	18140.59	20.00	17.91	9
293	17420054	8799	3/6/2024	40000	18140.59	20.00	18.96	9
294	17420055	8815	3/6/2024	40000	18140.59	20.00	18.56	9
295	17420056	8511	3/6/2024	40000	18140.59	20.00	20.59	9
296	17420057	8843	3/13/2024	40000	18140.59	20.00	19.38	9
297	17420058	8761	3/13/2024	40000	18140.59	20.00	19.90	9
298	17420059	8788	3/13/2024	40000	18140.59	20.00	20.60	9

	Ticket Number	Can Number	Date	Weight (LBS)	Weight (KGS)	Tons	Actual Tons	Pay App #
299	17420060	8753	3/13/2024	40000	18140.59	20.00	19.17	9
300	17420061	8627	3/14/2024	40000	18140.59	20.00	18.20	9
301	17420062	8742	3/14/2024	40000	18140.59	20.00	18.17	9
302	17413343	8669	3/20/2024	40000	18140.59	20.00	18.10	9
303	17413344	8509	3/20/2024	40000	18140.59	20.00	19.71	9
304	17413345	8695	3/20/2024	40000	18140.59	20.00	16.19	9
305	17413342	8922	3/20/2024	40000	18140.59	20.00	18.85	9
306	17413346	300044	3/20/2024	40000	18140.59	20.00	18.62	9
307	17413347	8628	3/22/2024	40000	18140.59	20.00	12.85	9
308	17413348	8915	3/22/2024	40000	18140.59	20.00	20.79	9
309	17413349	8533	3/22/2024	40000	18140.59	20.00	18.46	9
310	17413350	8956	3/22/2024	40000	18140.59	20.00	20.41	9
311	17413351	8790	4/1/2024	40000	18140.59	20.00	18.94	10
312	17413352	8835	4/1/2024	40000	18140.59	20.00	17.71	10
313	17413353	8947	4/1/2024	40000	18140.59	20.00	20.42	10
314	17413354	8962	4/1/2024	40000	18140.59	20.00	20.29	10
315	17413355	8895	4/1/2024	40000	18140.59	20.00	19.69	10
316	17413356	8870	4/1/2024	40000	18140.59	20.00	20.92	10
317	17413357	8864	4/1/2024	40000	18140.59	20.00	21.30	10
318	17413358	8914	4/1/2024	40000	18140.59	20.00	21.00	10
319	17413359	8719	4/12/2024	40000	18140.59	20.00	15.91	10
320	17413360	8599	4/12/2024	40000	18140.59	20.00	11.04	10
321	17413361	8645	4/19/2024	40000	18140.59	20.00	21.47	10
322								
	Total			**12842780**	**5824390.02**	**6401.39**	**6407.23**	

Project Summary - 320 Total Loads, 6,407.23 Tons of PCB Painted Concrete

PCB Soils Tracking

	Ticket Number	Truck Number	Date	Weight Tons	Pay App #
1	186599	52049	8/1/2023	18.24	2
2	186603	52049	8/2/2023	19.35	2
3	186604	52050	8/2/2023	19.22	2
4	186617	52050	8/2/2023	18.21	2
5	186619	52049	8/2/2023	19.5	2
6	196624	52050	8/3/2023	19.24	2
7	186625	52049	8/3/2023	20.03	2
8	186637	52050	8/3/2023	18.65	2
9	186642	52049	8/3/2023	20.28	2
10	186661	52049	8/7/2023	20.73	2
11	186668	52049	8/7/2023	17.25	2
12	186687	52049	8/8/2023	20.5	2
13	186706	52049	8/9/2023	19.56	2
14	186720	52049	8/9/2023	19.99	2
15	186726	52049	8/10/2023	20.21	2
16	186952	R-60	8/17/2023	11.03	2
17	186969	R-60	8/21/2023	7.2	2
	Total			**309.19**	

Sediment Basin Cleaning Post Demo

	Date	Total Hours	Man Days (8hr Shifts)	Pay app #
1	10/3/2023	6	0.75	4
2	10/4/2023	10	1.25	4
3	10/18/2023	20	2.5	4
5	10/19/2023	27	3.375	4
6	10/31/2023	21	2.625	5
7			0	
8			0	
9			0	
10			0	
11			0	
12			0	
13			0	
14			0	
15			0	
17			0	
18			0	
	Total	**84**	**10.5**	

Sediment Basin Loose Paint Removal

	Date	Total Hours	Man Days (8hr Shifts)	Pay app #
1	8/7/2023	30	3.75	2
2	8/8/2023	30	3.75	2
3	8/9/2023	15	1.875	2
5	8/10/2023	50	6.25	2
6	8/14/2023	70	8.75	2
7	8/16/2023	25	3.125	2
8				
9				
10				
11				
12				
13				
14				
15				
17				
18				
	Total	**220**	**27.5**	

Admin/ Filter Basin Loose Paint Removal

	Date	Total Hours	Man Days (8hr Shifts)	Pay app #
1	8/7/2023	0	0	2
2	8/8/2023	0	0	2
3	8/9/2023	40	5	2
4	8/10/2023	0	0	2
5	8/14/2023	0	0	2
6	8/16/2023	0	0	2
7	8/17/2023	50	6.25	2
8	8/21/2023	50	6.25	2
9	8/28/2023	40	5	3
10	8/29/2023	50	6.25	3
11	9/5/2023	60	7.5	3
12	9/6/2023	60	7.5	3
13	9/7/2023	12	1.5	3
14	10/30/2023	6	0.75	5
15	10/31/2023	21	2.625	5
16	11/1/2023	21	2.625	5
	Total	**410**	**51.25**	

Admin/ Filtration Basin Cleaning Post Demo

	Date	Total Hours	Man Days (8hr Shifts)	Pay app #
1		44	5.5	9
2			0	
3			0	
4			0	
5			0	
6			0	
7			0	
8			0	
9			0	
10			0	
11			0	
12			0	
13			0	
14			0	
15			0	
16			0	
	Total	**44**	**5.5**	

TAB 3 - PCB Waste Manifests

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94847

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505257	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420012FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:25:36	MANUAL WT	pslider1		Gross	42201 lb*
Out	04/12/2024 15:25:36		pslider1		Tare	1 lb*
			* Manual Weight		Net	42200 lb
					Tons	21.10

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93101

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504633	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420013FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:30:46	MANUAL WT	mdanko		Gross	42541 lb*
Out	03/27/2024 14:30:46		mdanko		Tare	1 lb*
			* Manual Weight		Net	42540 lb
					Tons	21.27

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93094

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504641	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420014FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:10:30	MANUAL WT	mdanko		Gross	40521 lb*
Out	03/27/2024 14:10:30		mdanko		Tare	1 lb*
			* Manual Weight		Net	40520 lb
					Tons	20.26

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93090

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504639	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420015FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	39921 lb*
In	03/27/2024 14:04:51	MANUAL WT	mdanko		Tare	1 lb*
Out	03/27/2024 14:04:51		mdanko		Net	39920 lb
			* Manual Weight		Tons	19.96

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92687

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504400	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420016FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:31:20	MANUAL WT	mdanko		Gross	38841 lb*
Out	03/22/2024 09:31:20		mdanko		Tare	1 lb*
			* Manual Weight		Net	38840 lb
					Tons	19.42

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94814

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504967	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420017FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:10:35	MANUAL WT	pslider1		Gross	45181 lb*
Out	04/12/2024 14:10:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	45180 lb
					Tons	22.59

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94753

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504696	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420018FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 10:29:32	MANUAL WT	tlane		Gross	48321 lb*
Out	04/12/2024 10:29:32		tlane		Tare	1 lb*
			* Manual Weight		Net	48320 lb
					Tons	24.16

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94754

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504697	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420019FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 10:32:20	MANUAL WT	tlane		Gross	46041 lb*
Out	04/12/2024 10:32:20		tlane		Tare	1 lb*
			* Manual Weight		Net	46040 lb
					Tons	23.02

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94755

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504698	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420020FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 10:34:41	MANUAL WT	tlane		Gross	45261 lb*
Out	04/12/2024 10:34:41		tlane		Tare	1 lb*
			* Manual Weight		Net	45260 lb
					Tons	22.63

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94842

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505138	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420021FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:07:24	MANUAL WT	pslider1		Gross	43981 lb*
Out	04/12/2024 15:07:24		pslider1		Tare	1 lb*
			* Manual Weight		Net	43980 lb
					Tons	21.99

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94751

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504694	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420022FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 10:23:22	MANUAL WT	tlane		Gross	47981 lb*
Out	04/12/2024 10:23:22		tlane		Tare	1 lb*
			* Manual Weight		Net	47980 lb
					Tons	23.99

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93108

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504656	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420023FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:46:01	MANUAL WT	mdanko		Gross	37041 lb*
Out	03/27/2024 14:46:01		mdanko		Tare	1 lb*
			* Manual Weight		Net	37040 lb
					Tons	18.52

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95676

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505523	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420024FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 14:58:50	MANUAL WT	pslider1		Gross	41581 lb*
Out	04/22/2024 14:58:50		pslider1		Tare	1 lb*
			* Manual Weight		Net	41580 lb
					Tons	20.79

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 95673

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505521	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420025FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 14:53:39	MANUAL WT	pslider1		Gross	39581 lb*
Out	04/22/2024 14:53:39		pslider1		Tare	1 lb*
			* Manual Weight		Net	39580 lb
					Tons	19.79

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95611

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505508	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420026FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound	Gross	39981 lb*
In	04/22/2024 12:42:00	MANUAL WT	pslider1		Tare	1 lb*
Out	04/22/2024 12:42:00		pslider1		Net	39980 lb
			* Manual Weight		Tons	19.99

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95665

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505516	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420027FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 14:39:47	MANUAL WT	pslider1		Gross	44461 lb*
Out	04/22/2024 14:39:47		pslider1		Tare	1 lb*
			* Manual Weight		Net	44460 lb
					Tons	22.23

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 93055

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504583	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420028FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 10:57:04	MANUAL WT	mdanko		Gross	40241 lb*
Out	03/27/2024 10:57:04		mdanko		Tare	1 lb*
			* Manual Weight		Net	40240 lb
					Tons	20.12

Comments

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Reprint
Ticket# 95604

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505498	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420029FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:17:31	MANUAL WT	pslider1		Gross	39561 lb*
Out	04/22/2024 12:17:31		pslider1		Tare	1 lb*
			* Manual Weight		Net	39560 lb
					Tons	19.78

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94810

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504965	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420030FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:04:07	MANUAL WT	pslider1		Gross	36921 lb*
Out	04/12/2024 14:04:07		pslider1		Tare	1 lb*
			* Manual Weight		Net	36920 lb
					Tons	18.46

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95610

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505507	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420031FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:37:30	MANUAL WT	pslider1		Gross	42601 lb*
Out	04/22/2024 12:37:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	42600 lb
					Tons	21.30

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95553

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505326	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420032FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 09:39:53	MANUAL WT	pslider1		Gross	42601 lb*
Out	04/22/2024 09:39:53		pslider1		Tare	1 lb*
			* Manual Weight		Net	42600 lb
					Tons	21.30

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95554

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505327	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420033FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 09:43:35	MANUAL WT	pslider1		Gross	46081 lb*
Out	04/22/2024 09:43:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	46080 lb
					Tons	23.04

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94845

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505206	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420034FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:18:27	MANUAL WT	pslider1		Gross	43501 lb*
Out	04/12/2024 15:18:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	43500 lb
					Tons	21.75

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95544

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505300	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420035FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 09:22:17	MANUAL WT	pslider1		Gross	48021 lb*
Out	04/22/2024 09:22:17		pslider1		Tare	1 lb*
			* Manual Weight		Net	48020 lb
					Tons	24.01

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 94843

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505204	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420036FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:12:00	MANUAL WT	pslider1		Gross	45121 lb*
Out	04/12/2024 15:12:00		pslider1		Tare	1 lb*
			* Manual Weight		Net	45120 lb
					Tons	22.56

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 94825

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504992	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420037FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:30:59	MANUAL WT	pslider1		Gross	45981 lb*
Out	04/12/2024 14:30:59		pslider1		Tare	1 lb*
			* Manual Weight		Net	45980 lb
					Tons	22.99

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 93066

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504632	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420038FLR		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 11:57:50	MANUAL WT	mdanko		Gross	39421 lb*
Out	03/27/2024 11:57:50		mdanko		Tare	1 lb*
			* Manual Weight		Net	39420 lb
					Tons	19.71

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94839

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505035	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420039FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:56:29	MANUAL WT	pslider1		Gross	37361 lb*
Out	04/12/2024 14:56:29		pslider1		Tare	1 lb*
			* Manual Weight		Net	37360 lb
					Tons	18.68

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94841

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505119	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420040FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:03:47	MANUAL WT	pslider1		Gross	38681 lb*
Out	04/12/2024 15:03:47		pslider1		Tare	1 lb*
			* Manual Weight		Net	38680 lb
					Tons	19.34

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94829

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505029	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420041FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:38:17	MANUAL WT	pslider1		Gross	40181 lb*
Out	04/12/2024 14:38:17		pslider1		Tare	1 lb*
			* Manual Weight		Net	40180 lb
					Tons	20.09

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 94831

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505030	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420042FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:41:40	MANUAL WT	pslider1		Gross	38321 lb*
Out	04/12/2024 14:41:40		pslider1		Tare	1 lb*
			* Manual Weight		Net	38320 lb
					Tons	19.16

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 95696

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505592	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420043FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 15:41:27	MANUAL WT	pslider1		Gross	38261 lb*
Out	04/22/2024 15:41:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	38260 lb
					Tons	19.13

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95584

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505415	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	014720044FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:53:55	MANUAL WT	pslider1		Gross	39861 lb*
Out	04/22/2024 10:53:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	39860 lb
					Tons	19.93

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 95681

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505526	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420045FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 15:10:28	MANUAL WT	pslider1		Gross	41321 lb*
Out	04/22/2024 15:10:28		pslider1		Tare	1 lb*
			* Manual Weight		Net	41320 lb
					Tons	20.66

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95680

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505524	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420046FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 15:04:05	MANUAL WT	pslider1		Gross	41961 lb*
Out	04/22/2024 15:04:05		pslider1		Tare	1 lb*
			* Manual Weight		Net	41960 lb
					Tons	20.98

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95682

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505530	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420047FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 15:14:06	MANUAL WT	pslider1		Gross	43181 lb*
Out	04/22/2024 15:14:06		pslider1		Tare	1 lb*
			* Manual Weight		Net	43180 lb
					Tons	21.59

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 95585

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505416	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420048FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:57:31	MANUAL WT	pslider1		Gross	41541 lb*
Out	04/22/2024 10:57:31		pslider1		Tare	1 lb*
			* Manual Weight		Net	41540 lb
					Tons	20.77

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95586

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505419	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420049FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 11:16:11	MANUAL WT	pslider1		Gross	41321 lb*
Out	04/22/2024 11:16:11		pslider1		Tare	1 lb*
			* Manual Weight		Net	41320 lb
					Tons	20.66

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95587

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAL
Payment Type	Credit Account	Container	
CWM Load#	505420	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420050FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	04/22/2024 11:22:01	MANUAL WT	pslider1		Gross	41681 lb*
Out	04/22/2024 11:22:01		pslider1		Tare	1 lb*
			* Manual Weight		Net	41680 lb
					Tons	20.84

Comments

Chemical Waste Management of the NorthWest
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Arlington, OR, 97812
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Reprint
Ticket# 95551

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505325	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420051FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 09:36:24	MANUAL WT	pslider1		Gross	41301 lb*
Out	04/22/2024 09:36:24		pslider1		Tare	1 lb*
			* Manual Weight		Net	41300 lb
					Tons	20.65

Comments

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Reprint
Ticket# 95605

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505499	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420052FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:21:12	MANUAL WT	pslider1		Gross	42581 lb*
Out	04/22/2024 12:21:12		pslider1		Tare	1 lb*
			* Manual Weight		Net	42580 lb
					Tons	21.29

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95547

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505323	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420053FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 09:26:51	MANUAL WT	pslider1		Gross	35821 lb*
Out	04/22/2024 09:26:51		pslider1		Tare	1 lb*
			* Manual Weight		Net	35820 lb
					Tons	17.91

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 95614

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505509	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420054FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:46:14	MANUAL WT	pslider1		Gross	37921 lb*
Out	04/22/2024 12:46:14		pslider1		Tare	1 lb*
			* Manual Weight		Net	37920 lb
					Tons	18.96

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 94844

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	505205	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420055FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:15:10	MANUAL WT	pslider1		Gross	37121 lb*
Out	04/12/2024 15:15:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	37120 lb
					Tons	18.56

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94827

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505028	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420056FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:35:04	MANUAL WT	pslider1		Gross	41181 lb*
Out	04/12/2024 14:35:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	41180 lb
					Tons	20.59

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 98050

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505977	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420057FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 11:03:08	MANUAL WT	pslider1		Gross	38761 lb*
Out	05/22/2024 11:03:08		pslider1		Tare	1 lb*
			* Manual Weight		Net	38760 lb
					Tons	19.38

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 98105

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	506207	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420058FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 15:48:35	MANUAL WT	pslider1		Gross	39801 lb*
Out	05/22/2024 15:48:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	39800 lb
					Tons	19.90

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 98106

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	506234	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420059FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 15:51:45	MANUAL WT	pslider1		Gross	41201 lb*
Out	05/22/2024 15:51:45		pslider1		Tare	1 lb*
			* Manual Weight		Net	41200 lb
					Tons	20.60

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 98004

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505891	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420060FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:49:04	MANUAL WT	pslider1		Gross	38341 lb*
Out	05/22/2024 08:49:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	38340 lb
					Tons	19.17

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 98006

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505892	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420061FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:51:54	MANUAL WT	pslider1		Gross	36401 lb*
Out	05/22/2024 08:51:54		pslider1		Tare	1 lb*
			* Manual Weight		Net	36400 lb
					Tons	18.20

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 98007

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	505893	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017420062FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:55:15	MANUAL WT	pslider1		Gross	36341 lb*
Out	05/22/2024 08:55:15		pslider1		Tare	1 lb*
			* Manual Weight		Net	36340 lb
					Tons	18.17

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 79961

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	09/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	498988	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614101FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	09/27/2023 13:36:40	MANUAL WT	pslider1		Gross	24601 lb*
Out	09/27/2023 13:36:40		pslider1		Tare	1 lb*
			* Manual Weight		Net	24600 lb
					Tons	12.30

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 80733

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499211	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614102FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 14:34:56	MANUAL WT	pslider1		Gross	22441 lb*
Out	10/12/2023 14:34:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	22440 lb
					Tons	11.22

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 79960

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	09/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	498987	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614103FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	09/27/2023 13:31:27	MANUAL WT	pslider1		Gross	46381 lb*
Out	09/27/2023 13:31:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	46380 lb
					Tons	23.19

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 79959

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	09/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	4948986	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614104FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	09/27/2023 13:25:10	MANUAL WT	pslider1		Gross	41461 lb*
Out	09/27/2023 13:25:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	41460 lb
					Tons	20.73

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 80746

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499309	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614105FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 15:58:25	MANUAL WT	pslider1		Gross	38381 lb*
Out	10/12/2023 15:58:25		pslider1		Tare	1 lb*
			* Manual Weight		Net	38380 lb
					Tons	19.19

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 81967

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499615	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614106FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 16:10:44	MANUAL WT	pslider1		Gross	40941 lb*
Out	10/25/2023 16:10:44		pslider1		Tare	1 lb*
			* Manual Weight		Net	40940 lb
					Tons	20.47

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81960

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499627	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614107FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:46:19	MANUAL WT	pslider1		Gross	40821 lb*
Out	10/25/2023 15:46:19		pslider1		Tare	1 lb*
			* Manual Weight		Net	40820 lb
					Tons	20.41

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81950

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499616	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614108FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:11:23	MANUAL WT	pslider1		Gross	42261 lb*
Out	10/25/2023 15:11:23		pslider1		Tare	1 lb*
			* Manual Weight		Net	42260 lb
					Tons	21.13

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81954

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499620	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614109FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:23:35	MANUAL WT	pslider1		Gross	41441 lb*
Out	10/25/2023 15:23:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	41440 lb
					Tons	20.72

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81957

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499623	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614110FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:38:06	MANUAL WT	pslider1		Gross	34381 lb*
Out	10/25/2023 15:38:06		pslider1		Tare	1 lb*
			* Manual Weight		Net	34380 lb
					Tons	17.19

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 81952

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499618	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614111FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	29121 lb*
In	10/25/2023 15:15:33	MANUAL WT	pslider1		Tare	1 lb*
Out	10/25/2023 15:15:33		pslider1		Net	29120 lb
			* Manual Weight		Tons	14.56

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81955

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499621	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614112FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:29:50	MANUAL WT	pslider1		Gross	38201 lb*
Out	10/25/2023 15:29:50		pslider1		Tare	1 lb*
			* Manual Weight		Net	38200 lb
					Tons	19.10

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 81948

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499613	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614113FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:06:49	MANUAL WT	pslider1		Gross	33141 lb*
Out	10/25/2023 15:06:49		pslider1		Tare	1 lb*
			* Manual Weight		Net	33140 lb
					Tons	16.57

Comments

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17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 81953

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499619	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614114FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:19:53	MANUAL WT	pslider1		Gross	36341 lb*
Out	10/25/2023 15:19:53		pslider1		Tare	1 lb*
			* Manual Weight		Net	36340 lb
					Tons	18.17

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81956

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499622	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614115FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:33:51	MANUAL WT	pslider1		Gross	37081 lb*
Out	10/25/2023 15:33:51		pslider1		Tare	1 lb*
			* Manual Weight		Net	37080 lb
					Tons	18.54

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 81964

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499646	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614116FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 16:00:23	MANUAL WT	pslider1		Gross	44281 lb*
Out	10/25/2023 16:00:23		pslider1		Tare	1 lb*
			* Manual Weight		Net	44280 lb
					Tons	22.14

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81946

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499610	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614117FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:56:22	MANUAL WT	pslider1		Gross	34781 lb*
Out	10/25/2023 14:56:22		pslider1		Tare	1 lb*
			* Manual Weight		Net	34780 lb
					Tons	17.39

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81963

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499633	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614118FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:56:10	MANUAL WT	pslider1		Gross	36001 lb*
Out	10/25/2023 15:56:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	36000 lb
					Tons	18.00

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81962

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499630	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614119FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:52:04	MANUAL WT	pslider1		Gross	37421 lb*
Out	10/25/2023 15:52:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	37420 lb
					Tons	18.71

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81937

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499589	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614121FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:56:26	MANUAL WT	pslider1		Gross	43381 lb*
Out	10/25/2023 13:56:26		pslider1		Tare	1 lb*
			* Manual Weight		Net	43380 lb
					Tons	21.69

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81959

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499625	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614122FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:42:09	MANUAL WT	pslider1		Gross	35901 lb*
Out	10/25/2023 15:42:09		pslider1		Tare	1 lb*
			* Manual Weight		Net	35900 lb
					Tons	17.95

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81929

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499587	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614123FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:46:01	MANUAL WT	pslider1		Gross	37501 lb*
Out	10/25/2023 13:46:01		pslider1		Tare	1 lb*
			* Manual Weight		Net	37500 lb
					Tons	18.75

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 81947

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499611	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614124FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 15:01:56	MANUAL WT	pslider1		Gross	44561 lb*
Out	10/25/2023 15:01:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	44560 lb
					Tons	22.28

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 81035

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/13/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499394	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614125FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/13/2023 15:15:31	MANUAL WT	pslider1		Gross	43221 lb*
Out	10/13/2023 15:15:31		pslider1		Tare	1 lb*
			* Manual Weight		Net	43220 lb
					Tons	21.61

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81167

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/16/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499422	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614126FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/16/2023 16:22:45	MANUAL WT	pslider1		Gross	36541 lb*
Out	10/16/2023 16:22:45		pslider1		Tare	1 lb*
			* Manual Weight		Net	36540 lb
					Tons	18.27

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80757

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499392	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614127FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:51:39	MANUAL WT	pslider1		Gross	42581 lb*
Out	10/12/2023 16:51:39		pslider1		Tare	1 lb*
			* Manual Weight		Net	42580 lb
					Tons	21.29

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80756

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499391	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614128FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:46:44	MANUAL WT	pslider1		Gross	44941 lb*
Out	10/12/2023 16:46:44		pslider1		Tare	1 lb*
			* Manual Weight		Net	44940 lb
					Tons	22.47

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81166

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/16/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499421	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614129FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/16/2023 16:18:34	MANUAL WT	pslider1		Gross	45941 lb*
Out	10/16/2023 16:18:34		pslider1		Tare	1 lb*
			* Manual Weight		Net	45940 lb
					Tons	22.97

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80745

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499306	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614130FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 15:54:08	MANUAL WT	pslider1		Gross	43521 lb*
Out	10/12/2023 15:54:08		pslider1		Tare	1 lb*
			* Manual Weight		Net	43520 lb
					Tons	21.76

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80740

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499255	Driver	
Hauling Ticket#	+	Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614131FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 15:08:04	MANUAL WT	pslider1		Gross	40501 lb*
Out	10/12/2023 15:08:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	40500 lb
					Tons	20.25

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81164

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/16/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499419	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614132FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/16/2023 16:05:37	MANUAL WT	pslider1		Gross	45101 lb*
Out	10/16/2023 16:05:37		pslider1		Tare	1 lb*
			* Manual Weight		Net	45100 lb
					Tons	22.55

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81165

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/16/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499420	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614133FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/16/2023 16:13:31	MANUAL WT	pslider1		Gross	40921 lb*
Out	10/16/2023 16:13:31		pslider1		Tare	1 lb*
			* Manual Weight		Net	40920 lb
					Tons	20.46

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80742

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499263	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614134FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 15:35:53	MANUAL WT	pslider1		Gross	35741 lb*
Out	10/12/2023 15:35:53		pslider1		Tare	1 lb*
			* Manual Weight		Net	35740 lb
					Tons	17.87

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80747

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499316	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614135FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:03:35	MANUAL WT	pslider1		Gross	36901 lb*
Out	10/12/2023 16:03:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	36900 lb
					Tons	18.45

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80751

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499321	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614136FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:26:47	MANUAL WT	pslider1		Gross	40781 lb*
Out	10/12/2023 16:26:47		pslider1		Tare	1 lb*
			* Manual Weight		Net	40780 lb
					Tons	20.39

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80750

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499318	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614137FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:21:17	MANUAL WT	pslider1		Gross	38281 lb*
Out	10/12/2023 16:21:17		pslider1		Tare	1 lb*
			* Manual Weight		Net	38280 lb
					Tons	19.14

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80743

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499277	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614138FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 15:42:29	MANUAL WT	pslider1		Gross	40421 lb*
Out	10/12/2023 15:42:29		pslider1		Tare	1 lb*
			* Manual Weight		Net	40420 lb
					Tons	20.21

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 80744

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499305	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614139FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 15:49:51	MANUAL WT	pslider1		Gross	40681 lb*
Out	10/12/2023 15:49:51		pslider1		Tare	1 lb*
			* Manual Weight		Net	40680 lb
					Tons	20.34

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80758

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499393	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614140FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:59:16	MANUAL WT	pslider1		Gross	40281 lb*
Out	10/12/2023 16:59:16		pslider1		Tare	1 lb*
			* Manual Weight		Net	40280 lb
					Tons	20.14

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80754

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499389	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614141FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:38:12	MANUAL WT	pslider1		Gross	36221 lb*
Out	10/12/2023 16:38:12		pslider1		Tare	1 lb*
			* Manual Weight		Net	36220 lb
					Tons	18.11

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80755

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499390	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614142FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:42:58	MANUAL WT	pslider1		Gross	38641 lb*
Out	10/12/2023 16:42:58		pslider1		Tare	1 lb*
			* Manual Weight		Net	38640 lb
					Tons	19.32

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81037

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/13/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499395	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614143FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/13/2023 15:19:32	MANUAL WT	pslider1		Gross	40341 lb*
Out	10/13/2023 15:19:32		pslider1		Tare	1 lb*
			* Manual Weight		Net	40340 lb
					Tons	20.17

Comments REPLACEMENT TICKET FOR TICKET # 81036

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81041

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/13/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499400	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614144FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/13/2023 15:38:46	MANUAL WT	pslider1		Gross	43381 lb*
Out	10/13/2023 15:38:46		pslider1		Tare	1 lb*
			* Manual Weight		Net	43380 lb
					Tons	21.69

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 80753

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/12/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499382	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614145FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/12/2023 16:34:27	MANUAL WT	pslider1		Gross	31121 lb*
Out	10/12/2023 16:34:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	31120 lb
					Tons	15.56

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81038

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/13/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499396	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614146FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/13/2023 15:27:35	MANUAL WT	pslider1		Gross	41721 lb*
Out	10/13/2023 15:27:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	41720 lb
					Tons	20.86

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81040

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/13/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499398	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614147FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	38741 lb*
In	10/13/2023 15:34:50	MANUAL WT	pslider1		Tare	1 lb*
Out	10/13/2023 15:34:50		pslider1		Net	38740 lb
			* Manual Weight		Tons	19.37

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81942

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499597	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614148FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:18:44	MANUAL WT	pslider1		Gross	42981 lb*
Out	10/25/2023 14:18:44		pslider1		Tare	1 lb*
			* Manual Weight		Net	42980 lb
					Tons	21.49

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 81919

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499579	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614149FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:37:53	MANUAL WT	pslider1		Gross	33401 lb*
Out	10/25/2023 13:37:53		pslider1		Tare	1 lb*
			* Manual Weight		Net	33400 lb
					Tons	16.70

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 81944

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499599	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614150FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:27:18	MANUAL WT	pslider1		Gross	26321 lb*
Out	10/25/2023 14:27:18		pslider1		Tare	1 lb*
			* Manual Weight		Net	26320 lb
					Tons	13.16

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81924

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499580	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614151FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:41:46	MANUAL WT	pslider1		Gross	49281 lb*
Out	10/25/2023 13:41:46		pslider1		Tare	1 lb*
			* Manual Weight		Net	49280 lb
					Tons	24.64

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81943

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499598	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614152FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:23:10	MANUAL WT	pslider1		Gross	32181 lb*
Out	10/25/2023 14:23:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	32180 lb
					Tons	16.09

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81939

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499592	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614153FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:04:40	MANUAL WT	pslider1		Gross	36901 lb*
Out	10/25/2023 14:04:40		pslider1		Tare	1 lb*
			* Manual Weight		Net	36900 lb
					Tons	18.45

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81934

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499588	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614154FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:50:30	MANUAL WT	pslider1		Gross	38201 lb*
Out	10/25/2023 13:50:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	38200 lb
					Tons	19.10

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81903

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499563	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614155FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	37901 lb*
In	10/25/2023 13:19:55	MANUAL WT	pslider1		Tare	1 lb*
Out	10/25/2023 13:19:55		pslider1		Net	37900 lb
			* Manual Weight		Tons	18.95

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81916

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499577	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614156FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:33:56	MANUAL WT	pslider1		Gross	36161 lb*
Out	10/25/2023 13:33:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	36160 lb
					Tons	18.08

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81904

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499564	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614157FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:24:08	MANUAL WT	pslider1		Gross	39701 lb*
Out	10/25/2023 13:24:08		pslider1		Tare	1 lb*
			* Manual Weight		Net	39700 lb
					Tons	19.85

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81938

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499591	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614158FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:00:39	MANUAL WT	pslider1		Gross	40861 lb*
Out	10/25/2023 14:00:39		pslider1		Tare	1 lb*
			* Manual Weight		Net	40860 lb
					Tons	20.43

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 81297

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/17/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499560	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614159FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	39701 lb*
In	10/17/2023 16:16:52	MANUAL WT	pslider1		Tare	1 lb*
Out	10/17/2023 16:16:52		pslider1		Net	39700 lb
			* Manual Weight		Tons	19.85

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 81897

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499562	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614160FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:13:29	MANUAL WT	pslider1		Gross	38161 lb*
Out	10/25/2023 13:13:29		pslider1		Tare	1 lb*
			* Manual Weight		Net	38160 lb
					Tons	19.08

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 81910

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499567	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614161FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 13:29:07	MANUAL WT	pslider1		Gross	43701 lb*
Out	10/25/2023 13:29:07		pslider1		Tare	1 lb*
			* Manual Weight		Net	43700 lb
					Tons	21.85

Comments

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Reprint
Ticket# 81941

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499596	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614162FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:14:13	MANUAL WT	pslider1		Gross	40561 lb*
Out	10/25/2023 14:14:13		pslider1		Tare	1 lb*
			* Manual Weight		Net	40560 lb
					Tons	20.28

Comments

Chemical Waste Management of the NorthWest
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Reprint
Ticket# 84191

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500559	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614163FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:02:01	MANUAL WT	tlane		Gross	37441 lb*
Out	11/20/2023 15:02:01		tlane		Tare	1 lb*
			* Manual Weight		Net	37440 lb
					Tons	18.72

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 81940

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/25/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	499593	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614164FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	10/25/2023 14:09:16	MANUAL WT	pslider1		Gross	40161 lb*
Out	10/25/2023 14:09:16		pslider1		Tare	1 lb*
			* Manual Weight		Net	40160 lb
					Tons	20.08

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84598

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500948	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614165FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:32:03	MANUAL WT	pslider1		Gross	33561 lb*
Out	11/27/2023 15:32:03		pslider1		Tare	1 lb*
			* Manual Weight		Net	33560 lb
					Tons	16.78

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84595

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500947	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614166FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:28:21	MANUAL WT	pslider1		Gross	36641 lb*
Out	11/27/2023 15:28:21		pslider1		Tare	1 lb*
			* Manual Weight		Net	36640 lb
					Tons	18.32

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 84607

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	501186	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614167FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:39:46	MANUAL WT	pslider1		Gross	37181 lb*
Out	11/27/2023 15:39:46		pslider1		Tare	1 lb*
			* Manual Weight		Net	37180 lb
					Tons	18.59

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 82506

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/31/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499914	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614168FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	39361 lb*
In	10/31/2023 14:11:20	MANUAL WT	mdanko		Tare	1 lb*
Out	10/31/2023 14:11:20		mdanko		Net	39360 lb
			* Manual Weight		Tons	19.68

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 82741

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/03/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499928	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614169FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	34861 lb*
In	11/03/2023 15:09:46	MANUAL WT	pslider1		Tare	1 lb*
Out	11/03/2023 15:09:46		pslider1		Net	34860 lb
			* Manual Weight		Tons	17.43

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 82505

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	10/31/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	499913	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614170FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	10/31/2023 14:02:42	MANUAL WT	mdanko		Gross	40121 lb*
Out	10/31/2023 14:02:42		mdanko		Tare	1 lb*
			* Manual Weight		Net	40120 lb
					Tons	20.06

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84589

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500945	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614171FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:16:51	MANUAL WT	pslider1		Gross	37561 lb*
Out	11/27/2023 15:16:51		pslider1		Tare	1 lb*
			* Manual Weight		Net	37560 lb
					Tons	18.78

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 84181

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500547	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614172FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:42:27	MANUAL WT	tlane		Gross	37381 lb*
Out	11/20/2023 14:42:27		tlane		Tare	1 lb*
			* Manual Weight		Net	37380 lb
					Tons	18.69

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84168

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500527	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614173FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:17:27	MANUAL WT	tlane		Gross	36521 lb*
Out	11/20/2023 14:17:27		tlane		Tare	1 lb*
			* Manual Weight		Net	36520 lb
					Tons	18.26

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84174

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500542	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614174FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:29:21	MANUAL WT	tlane		Gross	44181 lb*
Out	11/20/2023 14:29:21		tlane		Tare	1 lb*
			* Manual Weight		Net	44180 lb
					Tons	22.09

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84171

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500541	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614175FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:23:27	MANUAL WT	tlane		Gross	40201 lb*
Out	11/20/2023 14:23:27		tlane		Tare	1 lb*
			* Manual Weight		Net	40200 lb
					Tons	20.10

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84170

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500529	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614176FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:20:29	MANUAL WT	tlane		Gross	34701 lb*
Out	11/20/2023 14:20:29		tlane		Tare	1 lb*
			* Manual Weight		Net	34700 lb
					Tons	17.35

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84219

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500705	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614177FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:44:35	MANUAL WT	pslider1		Gross	36781 lb*
Out	11/20/2023 15:44:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	36780 lb
					Tons	18.39

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84184

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500552	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614178FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	36041 lb*
In	11/20/2023 14:48:56	MANUAL WT	tlane		Tare	1 lb*
Out	11/20/2023 14:48:56		tlane		Net	36040 lb
			* Manual Weight		Tons	18.02

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84221

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500706	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614179FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:48:09	MANUAL WT	pslider1		Gross	41421 lb*
Out	11/20/2023 15:48:09		pslider1		Tare	1 lb*
			* Manual Weight		Net	41420 lb
					Tons	20.71

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84228

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500717	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614180FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:59:42	MANUAL WT	pslider1		Gross	44901 lb*
Out	11/20/2023 15:59:42		pslider1		Tare	1 lb*
			* Manual Weight		Net	44900 lb
					Tons	22.45

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84183

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500551	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614181FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	39041 lb*
In	11/20/2023 14:45:03	MANUAL WT	tlane		Tare	1 lb*
Out	11/20/2023 14:45:03		tlane		Net	39040 lb
			* Manual Weight		Tons	19.52

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84166

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500525	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614182FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	43841 lb*
In	11/20/2023 14:13:22	MANUAL WT	tlane		Tare	1 lb*
Out	11/20/2023 14:13:22		tlane		Net	43840 lb
			* Manual Weight		Tons	21.92

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84586

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500773	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614183FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:08:56	MANUAL WT	pslider1		Gross	42521 lb*
Out	11/27/2023 15:08:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	42520 lb
					Tons	21.26

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 84187

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500557	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614184FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:56:13	MANUAL WT	tlane		Gross	45221 lb*
Out	11/20/2023 14:56:13		tlane		Tare	1 lb*
			* Manual Weight		Net	45220 lb
					Tons	22.61

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 84177

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500544	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614185FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:36:45	MANUAL WT	tlane		Gross	39161 lb*
Out	11/20/2023 14:36:45		tlane		Tare	1 lb*
			* Manual Weight		Net	39160 lb
					Tons	19.58

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 84186

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500555	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614186FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	39541 lb*
In	11/20/2023 14:53:43	MANUAL WT	tlane		Tare	1 lb*
Out	11/20/2023 14:53:43		tlane		Net	39540 lb
			* Manual Weight		Tons	19.77

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84179

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500545	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614187FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:39:36	MANUAL WT	tlane		Gross	37261 lb*
Out	11/20/2023 14:39:36		tlane		Tare	1 lb*
			* Manual Weight		Net	37260 lb
					Tons	18.63

Comments

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Arlington, OR, 97812
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Reprint
Ticket# 84159

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500522	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614188FLE		
Destination		Grid	
PO	1) OR355404 2) OR355404 3)	4)	5) 6)
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:00:21	MANUAL WT	tlane		Gross	38601 lb*
Out	11/20/2023 14:00:21		tlane		Tare	1 lb*
			* Manual Weight		Net	38600 lb
					Tons	19.30

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84217

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500704	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614189FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:41:21	MANUAL WT	pslider1		Gross	37541 lb*
Out	11/20/2023 15:41:21		pslider1		Tare	1 lb*
			* Manual Weight		Net	37540 lb
					Tons	18.77

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 84158

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500498	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614190FLE		
Destination		Grid	
PO	1) OR355404 2) OR355404 3)	4)	5) 6)
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 13:56:23	MANUAL WT	tlane		Gross	42881 lb*
Out	11/20/2023 13:56:23		tlane		Tare	1 lb*
			* Manual Weight		Net	42880 lb
					Tons	21.44

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 84165

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500524	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614191FLE		
Destination		Grid	
PO	1) OR355404 2) OR355404 3)	4)	5) 6)
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:10:36	MANUAL WT	tlane		Gross	40381 lb*
Out	11/20/2023 14:10:36		tlane		Tare	1 lb*
			* Manual Weight		Net	40380 lb
					Tons	20.19

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 84163

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500523	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614192FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:07:44	MANUAL WT	tlane		Gross	45281 lb*
Out	11/20/2023 14:07:44		tlane		Tare	1 lb*
			* Manual Weight		Net	45280 lb
					Tons	22.64

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84587

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500774	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614193FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:13:00	MANUAL WT	pslider1		Gross	35321 lb*
Out	11/27/2023 15:13:00		pslider1		Tare	1 lb*
			* Manual Weight		Net	35320 lb
					Tons	17.66

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 84193

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500564	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614194FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:06:02	MANUAL WT	tlane		Gross	45221 lb*
Out	11/20/2023 15:06:02		tlane		Tare	1 lb*
			* Manual Weight		Net	45220 lb
					Tons	22.61

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84212

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500702	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614195FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:34:59	MANUAL WT	pslider1		Gross	43721 lb*
Out	11/20/2023 15:34:59		pslider1		Tare	1 lb*
			* Manual Weight		Net	43720 lb
					Tons	21.86

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 84215

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	500703	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614196FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	11/20/2023 15:38:22	MANUAL WT	pslider1		Gross	40421 lb*
Out	11/20/2023 15:38:22		pslider1		Tare	1 lb*
			* Manual Weight		Net	40420 lb
					Tons	20.21

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 86361

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	12/27/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	501514	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614198FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	12/27/2023 07:49:55	MANUAL WT	tlane		Gross	32841 lb*
Out	12/27/2023 07:49:55		tlane		Tare	1 lb*
			* Manual Weight		Net	32840 lb
					Tons	16.42

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 86359

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	12/26/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	501513	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614199FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	12/26/2023 16:00:45	MANUAL WT	tlane		Gross	37921 lb*
Out	12/26/2023 16:00:45		tlane		Tare	1 lb*
			* Manual Weight		Net	37920 lb
					Tons	18.96

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 84593

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/27/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500946	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614200FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/27/2023 15:23:42	MANUAL WT	pslider1		Gross	47201 lb*
Out	11/27/2023 15:23:42		pslider1		Tare	1 lb*
			* Manual Weight		Net	47200 lb
					Tons	23.60

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 86347

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	12/26/2023	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	501250	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614201FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	12/26/2023 14:57:28	MANUAL WT	tlane		Gross	36621 lb*
Out	12/26/2023 14:57:28		tlane		Tare	1 lb*
			* Manual Weight		Net	36620 lb
					Tons	18.31

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 86346

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	12/26/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	501249	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614202FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	12/26/2023 14:53:48	MANUAL WT	tlane		Gross	45481 lb*
Out	12/26/2023 14:53:48		tlane		Tare	1 lb*
			* Manual Weight		Net	45480 lb
					Tons	22.74

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 87870

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502683	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614203FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:52:28	MANUAL WT	pslider1		Gross	42261 lb*
Out	01/22/2024 11:52:28		pslider1		Tare	1 lb*
			* Manual Weight		Net	42260 lb
					Tons	21.13

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 87705

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/18/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502233	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614204FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/18/2024 11:52:27	MANUAL WT	pslider1		Gross	41761 lb*
Out	01/18/2024 11:52:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	41760 lb
					Tons	20.88

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92482

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504047	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614205FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 12:28:56	MANUAL WT	mdanko		Gross	41261 lb*
Out	03/20/2024 12:28:56		mdanko		Tare	1 lb*
			* Manual Weight		Net	41260 lb
					Tons	20.63

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 87703

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/18/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502230	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614206FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/18/2024 11:37:22	MANUAL WT	pslider1		Gross	43761 lb*
Out	01/18/2024 11:37:22		pslider1		Tare	1 lb*
			* Manual Weight		Net	43760 lb
					Tons	21.88

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92519

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504134	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614207FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 14:41:26	MANUAL WT	mdanko		Gross	33741 lb*
Out	03/20/2024 14:41:26		mdanko		Tare	1 lb*
			* Manual Weight		Net	33740 lb
					Tons	16.87

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 92492

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504056	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614208FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 12:53:08	MANUAL WT	mdanko		Gross	41141 lb*
Out	03/20/2024 12:53:08		mdanko		Tare	1 lb*
			* Manual Weight		Net	41140 lb
					Tons	20.57

Comments

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Reprint
Ticket# 92494

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504058	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614209FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 12:55:55	MANUAL WT	mdanko		Gross	40661 lb*
Out	03/20/2024 12:55:55		mdanko		Tare	1 lb*
			* Manual Weight		Net	40660 lb
					Tons	20.33

Comments

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Reprint
Ticket# 92908

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/25/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502445	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614210FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/25/2024 15:28:11	MANUAL WT	pslider1		Gross	40701 lb*
Out	03/25/2024 15:28:11		pslider1		Tare	1 lb*
			* Manual Weight		Net	40700 lb
					Tons	20.35

Comments

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Reprint
Ticket# 92901

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/25/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502432	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614211FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/25/2024 15:16:47	MANUAL WT	pslider1		Gross	40001 lb*
Out	03/25/2024 15:16:47		pslider1		Tare	1 lb*
			* Manual Weight		Net	40000 lb
					Tons	20.00

Comments

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Reprint
Ticket# 87880

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502708	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614212FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:28:50	MANUAL WT	pslider1		Gross	43681 lb*
Out	01/22/2024 12:28:50		pslider1		Tare	1 lb*
			* Manual Weight		Net	43680 lb
					Tons	21.84

Comments

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Reprint
Ticket# 92903

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/25/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502433	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614213FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/25/2024 15:20:00	MANUAL WT	pslider1		Gross	35761 lb*
Out	03/25/2024 15:20:00		pslider1		Tare	1 lb*
			* Manual Weight		Net	35760 lb
					Tons	17.88

Comments

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Reprint
Ticket# 87876

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502690	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614214FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:14:30	MANUAL WT	pslider1		Gross	39121 lb*
Out	01/22/2024 12:14:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	39120 lb
					Tons	19.56

Comments

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Reprint
Ticket# 87868

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502681	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614215FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:44:10	MANUAL WT	pslider1		Gross	43141 lb*
Out	01/22/2024 11:44:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	43140 lb
					Tons	21.57

Comments

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Reprint
Ticket# 87872

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502686	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614216FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:00:07	MANUAL WT	pslider1		Gross	38481 lb*
Out	01/22/2024 12:00:07		pslider1		Tare	1 lb*
			* Manual Weight		Net	38480 lb
					Tons	19.24

Comments

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Reprint
Ticket# 89137

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503085	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614217FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 12:52:55	MANUAL WT	pslider1		Gross	43821 lb*
Out	02/19/2024 12:52:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	43820 lb
					Tons	21.91

Comments

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Reprint
Ticket# 87867

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502678	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614218FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:40:40	MANUAL WT	pslider1		Gross	41001 lb*
Out	01/22/2024 11:40:40		pslider1		Tare	1 lb*
			* Manual Weight		Net	41000 lb
					Tons	20.50

Comments

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Reprint
Ticket# 91472

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503681	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614219FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 15:45:52	MANUAL WT	pslider1		Gross	39641 lb*
Out	03/08/2024 15:45:52		pslider1		Tare	1 lb*
			* Manual Weight		Net	39640 lb
					Tons	19.82

Comments

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Reprint
Ticket# 87809

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502669	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614220FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 09:49:58	MANUAL WT	pslider1		Gross	43001 lb*
Out	01/22/2024 09:49:58		pslider1		Tare	1 lb*
			* Manual Weight		Net	43000 lb
					Tons	21.50

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 87877

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502695	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614221FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:18:27	MANUAL WT	pslider1		Gross	43981 lb*
Out	01/22/2024 12:18:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	43980 lb
					Tons	21.99

Comments

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Reprint
Ticket# 87879

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502704	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614222FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:25:00	MANUAL WT	pslider1		Gross	41361 lb*
Out	01/22/2024 12:25:00		pslider1		Tare	1 lb*
			* Manual Weight		Net	41360 lb
					Tons	20.68

Comments

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Reprint
Ticket# 92905

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/25/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502440	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614223FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/25/2024 15:23:17	MANUAL WT	pslider1		Gross	42741 lb*
Out	03/25/2024 15:23:17		pslider1		Tare	1 lb*
			* Manual Weight		Net	42740 lb
					Tons	21.37

Comments

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Reprint
Ticket# 92910

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/25/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502451	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614224FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/25/2024 15:32:40	MANUAL WT	pslider1		Gross	44761 lb*
Out	03/25/2024 15:32:40		pslider1		Tare	1 lb*
			* Manual Weight		Net	44760 lb
					Tons	22.38

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89101

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503062	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614225FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:24:32	MANUAL WT	pslider1		Gross	43661 lb*
Out	02/19/2024 10:24:32		pslider1		Tare	1 lb*
			* Manual Weight		Net	43660 lb
					Tons	21.83

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89100

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503061	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614226FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:19:43	MANUAL WT	pslider1		Gross	42941 lb*
Out	02/19/2024 10:19:43		pslider1		Tare	1 lb*
			* Manual Weight		Net	42940 lb
					Tons	21.47

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89106

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503067	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614227FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:47:36	MANUAL WT	pslider1		Gross	41321 lb*
Out	02/19/2024 10:47:36		pslider1		Tare	1 lb*
			* Manual Weight		Net	41320 lb
					Tons	20.66

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 92483

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504050	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614228FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 12:35:14	MANUAL WT	mdanko		Gross	39981 lb*
Out	03/20/2024 12:35:14		mdanko		Tare	1 lb*
			* Manual Weight		Net	39980 lb
					Tons	19.99

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 90267

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503461	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614229FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/27/2024 16:30:33	MANUAL WT	pslider1		Gross	42281 lb*
Out	02/27/2024 16:30:33		pslider1		Tare	1 lb*
			* Manual Weight		Net	42280 lb
					Tons	21.14

Comments

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Reprint
Ticket# 89107

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503068	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614230FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:52:12	MANUAL WT	pslider1		Gross	44241 lb*
Out	02/19/2024 10:52:12		pslider1		Tare	1 lb*
			* Manual Weight		Net	44240 lb
					Tons	22.12

Comments

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Reprint
Ticket# 89096

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503056	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614231FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 09:36:27	MANUAL WT	pslider1		Gross	41981 lb*
Out	02/19/2024 09:36:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	41980 lb
					Tons	20.99

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 92491

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504054	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614232FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 12:50:17	MANUAL WT	mdanko		Gross	40581 lb*
Out	03/20/2024 12:50:17		mdanko		Tare	1 lb*
			* Manual Weight		Net	40580 lb
					Tons	20.29

Comments

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Reprint
Ticket# 92488

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504051	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	01861423FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 12:45:51	MANUAL WT	mdanko		Gross	44221 lb*
Out	03/20/2024 12:45:51		mdanko		Tare	1 lb*
			* Manual Weight		Net	44220 lb
					Tons	22.11

Comments

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Reprint
Ticket# 87808

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502667	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614234FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 09:46:26	MANUAL WT	pslider1		Gross	44261 lb*
Out	01/22/2024 09:46:26		pslider1		Tare	1 lb*
			* Manual Weight		Net	44260 lb
					Tons	22.13

Comments

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Reprint
Ticket# 87873

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502687	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614235FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:03:52	MANUAL WT	pslider1		Gross	42321 lb*
Out	01/22/2024 12:03:52		pslider1		Tare	1 lb*
			* Manual Weight		Net	42320 lb
					Tons	21.16

Comments

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Reprint
Ticket# 87871

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502684	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614236FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:56:42	MANUAL WT	pslider1		Gross	35581 lb*
Out	01/22/2024 11:56:42		pslider1		Tare	1 lb*
			* Manual Weight		Net	35580 lb
					Tons	17.79

Comments

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Reprint
Ticket# 87866

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502676	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614237FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:37:00	MANUAL WT	pslider1		Gross	40741 lb*
Out	01/22/2024 11:37:00		pslider1		Tare	1 lb*
			* Manual Weight		Net	40740 lb
					Tons	20.37

Comments

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Reprint
Ticket# 87874

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502688	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614238FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:07:15	MANUAL WT	pslider1		Gross	39501 lb*
Out	01/22/2024 12:07:15		pslider1		Tare	1 lb*
			* Manual Weight		Net	39500 lb
					Tons	19.75

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 87875

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502689	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614239FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:10:50	MANUAL WT	pslider1		Gross	43161 lb*
Out	01/22/2024 12:10:50		pslider1		Tare	1 lb*
			* Manual Weight		Net	43160 lb
					Tons	21.58

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 88202

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/29/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502680	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614240FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/29/2024 09:01:13	MANUAL WT	pslider1		Gross	42401 lb*
Out	01/29/2024 09:01:13		pslider1		Tare	1 lb*
			* Manual Weight		Net	42400 lb
					Tons	21.20

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89821

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/23/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503289	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614241FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/23/2024 15:27:59	MANUAL WT	pslider1		Gross	45221 lb*
Out	02/23/2024 15:27:59		pslider1		Tare	1 lb*
			* Manual Weight		Net	45220 lb
					Tons	22.61

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89103

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503064	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614242FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:33:53	MANUAL WT	pslider1		Gross	42341 lb*
Out	02/19/2024 10:33:53		pslider1		Tare	1 lb*
			* Manual Weight		Net	42340 lb
					Tons	21.17

Comments

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Reprint
Ticket# 89989

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503348	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614243FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 14:56:48	MANUAL WT	pslider1		Gross	43341 lb*
Out	02/26/2024 14:56:48		pslider1		Tare	1 lb*
			* Manual Weight		Net	43340 lb
					Tons	21.67

Comments

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Reprint
Ticket# 87739

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502564	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614244FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/19/2024 10:13:16	MANUAL WT	pslider1		Gross	41161 lb*
Out	01/19/2024 10:13:16		pslider1		Tare	1 lb*
			* Manual Weight		Net	41160 lb
					Tons	20.58

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 87737

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502562	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614245FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/19/2024 08:56:06	MANUAL WT	pslider1		Gross	41641 lb*
Out	01/19/2024 08:56:06		pslider1		Tare	1 lb*
			* Manual Weight		Net	41640 lb
					Tons	20.82

Comments

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Reprint
Ticket# 87741

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502566	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614246FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/19/2024 10:20:37	MANUAL WT	pslider1		Gross	38681 lb*
Out	01/19/2024 10:20:37		pslider1		Tare	1 lb*
			* Manual Weight		Net	38680 lb
					Tons	19.34

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 87740

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502565	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614247FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/19/2024 10:17:09	MANUAL WT	pslider1		Gross	45321 lb*
Out	01/19/2024 10:17:09		pslider1		Tare	1 lb*
			* Manual Weight		Net	45320 lb
					Tons	22.66

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 89113

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503074	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614248FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 11:18:28	MANUAL WT	pslider1		Gross	42261 lb*
Out	02/19/2024 11:18:28		pslider1		Tare	1 lb*
			* Manual Weight		Net	42260 lb
					Tons	21.13

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 87757

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502625	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	018614249FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/19/2024 11:45:49	MANUAL WT	pslider1		Gross	39401 lb*
Out	01/19/2024 11:45:49		pslider1		Tare	1 lb*
			* Manual Weight		Net	39400 lb
					Tons	19.70

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 84189

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	11/20/2023	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	500558	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	0186141250FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	11/20/2023 14:59:31	MANUAL WT	tlane		Gross	41121 lb*
Out	11/20/2023 14:59:31		tlane		Tare	1 lb*
			* Manual Weight		Net	41120 lb
					Tons	20.56

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 95684

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505546	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413342FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 15:20:55	MANUAL WT	pslider1		Gross	37701 lb*
Out	04/22/2024 15:20:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	37700 lb
					Tons	18.85

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 96125

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/29/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505757	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413343FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/29/2024 10:31:55	MANUAL WT	pslider1		Gross	36201 lb*
Out	04/29/2024 10:31:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	36200 lb
					Tons	18.10

Comments

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17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 98002

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	5058889	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413344FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:45:33	MANUAL WT	pslider1		Gross	39421 lb*
Out	05/22/2024 08:45:33		pslider1		Tare	1 lb*
			* Manual Weight		Net	39420 lb
					Tons	19.71

Comments

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17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 98009

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505894	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413345FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:59:04	MANUAL WT	pslider1		Gross	32381 lb*
Out	05/22/2024 08:59:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	32380 lb
					Tons	16.19

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 96147

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/29/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505758	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413346FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/29/2024 11:32:33	MANUAL WT	pslider1		Gross	37241 lb*
Out	04/29/2024 11:32:33		pslider1		Tare	1 lb*
			* Manual Weight		Net	37240 lb
					Tons	18.62

Comments

Chemical Waste Management of the NorthWest
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Reprint
Ticket# 97989

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505756	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413347FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:07:22	MANUAL WT	pslider1		Gross	25701 lb*
Out	05/22/2024 08:07:22		pslider1		Tare	1 lb*
			* Manual Weight		Net	25700 lb
					Tons	12.85

Comments

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Reprint
Ticket# 97990

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505760	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413348FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 08:10:22	MANUAL WT	pslider1		Gross	41581 lb*
Out	05/22/2024 08:10:22		pslider1		Tare	1 lb*
			* Manual Weight		Net	41580 lb
					Tons	20.79

Comments

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Reprint
Ticket# 96122

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/29/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505755	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413349FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/29/2024 10:27:37	MANUAL WT	pslider1		Gross	36921 lb*
Out	04/29/2024 10:27:37		pslider1		Tare	1 lb*
			* Manual Weight		Net	36920 lb
					Tons	18.46

Comments

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Reprint
Ticket# 95702

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505595	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413350FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 15:51:56	MANUAL WT	pslider1		Gross	40821 lb*
Out	04/22/2024 15:51:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	40820 lb
					Tons	20.41

Comments

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Reprint
Ticket# 98046

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505976	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413351FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 10:58:58	MANUAL WT	pslider1		Gross	37881 lb*
Out	05/22/2024 10:58:58		pslider1		Tare	1 lb*
			* Manual Weight		Net	37880 lb
					Tons	18.94

Comments

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Reprint
Ticket# 98052

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	505978	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413352FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2024 11:07:50	MANUAL WT	pslider1		Gross	35421 lb*
Out	05/22/2024 11:07:50		pslider1		Tare	1 lb*
			* Manual Weight		Net	35420 lb
					Tons	17.71

Comments

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Reprint
Ticket# 98056

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505982	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413353FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 11:20:02	MANUAL WT	pslider1		Gross	40841 lb*
Out	05/22/2024 11:20:02		pslider1		Tare	1 lb*
			* Manual Weight		Net	40840 lb
					Tons	20.42

Comments

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Reprint
Ticket# 98054

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505980	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413354FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 11:14:29	MANUAL WT	pslider1		Gross	40581 lb*
Out	05/22/2024 11:14:29		pslider1		Tare	1 lb*
			* Manual Weight		Net	40580 lb
					Tons	20.29

Comments

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Reprint
Ticket# 98055

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505981	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413355FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 11:17:24	MANUAL WT	pslider1		Gross	39381 lb*
Out	05/22/2024 11:17:24		pslider1		Tare	1 lb*
			* Manual Weight		Net	39380 lb
					Tons	19.69

Comments

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Reprint
Ticket# 98028

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505975	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413356FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 10:10:24	MANUAL WT	pslider1		Gross	41841 lb*
Out	05/22/2024 10:10:24		pslider1		Tare	1 lb*
			* Manual Weight		Net	41840 lb
					Tons	20.92

Comments

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Reprint
Ticket# 98025

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505974	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413357FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 10:06:02	MANUAL WT	pslider1		Gross	42601 lb*
Out	05/22/2024 10:06:02		pslider1		Tare	1 lb*
			* Manual Weight		Net	42600 lb
					Tons	21.30

Comments

Chemical Waste Management of the NorthWest
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Reprint
Ticket# 98053

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505979	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413358FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 11:11:30	MANUAL WT	pslider1		Gross	42001 lb*
Out	05/22/2024 11:11:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	42000 lb
					Tons	21.00

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 98116

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	506347	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413359FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 16:33:22	MANUAL WT	pslider1		Gross	31821 lb*
Out	05/22/2024 16:33:22		pslider1		Tare	1 lb*
			* Manual Weight		Net	31820 lb
					Tons	15.91

Comments

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Reprint
Ticket# 98115

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	506346	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413360FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/22/2024 16:30:10	MANUAL WT	pslider1		Gross	22081 lb*
Out	05/22/2024 16:30:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	22080 lb
					Tons	11.04

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 98271

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	05/24/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	506534	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	017413361FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	05/24/2024 16:22:55	MANUAL WT	pslider1		Gross	42941 lb*
Out	05/24/2024 16:22:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	42940 lb
					Tons	21.47

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89108

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503069	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271863FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:57:17	MANUAL WT	pslider1		Gross	38701 lb*
Out	02/19/2024 10:57:17		pslider1		Tare	1 lb*
			* Manual Weight		Net	38700 lb
					Tons	19.35

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 87869

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502682	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271864FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:48:20	MANUAL WT	pslider1		Gross	38901 lb*
Out	01/22/2024 11:48:20		pslider1		Tare	1 lb*
			* Manual Weight		Net	38900 lb
					Tons	19.45

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89993

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503350	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271865FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:06:55	MANUAL WT	pslider1		Gross	39821 lb*
Out	02/26/2024 15:06:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	39820 lb
					Tons	19.91

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 87881

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	502711	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271866FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	01/22/2024 12:32:50	MANUAL WT	pslider1		Gross	44781 lb*
Out	01/22/2024 12:32:50		pslider1		Tare	1 lb*
			* Manual Weight		Net	44780 lb
					Tons	22.39

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 91748

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503852	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271867FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/12/2024 16:34:19	MANUAL WT	pslider1		Gross	38381 lb*
Out	03/12/2024 16:34:19		pslider1		Tare	1 lb*
			* Manual Weight		Net	38380 lb
					Tons	19.19

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 87860

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	01/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	502668	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271868FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	01/22/2024 11:27:07	MANUAL WT	pslider1		Gross	40621 lb*
Out	01/22/2024 11:27:07		pslider1		Tare	1 lb*
			* Manual Weight		Net	40620 lb
					Tons	20.31

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 91479

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503683	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271869FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 15:54:29	MANUAL WT	pslider1		Gross	41401 lb*
Out	03/08/2024 15:54:29		pslider1		Tare	1 lb*
			* Manual Weight		Net	41400 lb
					Tons	20.70

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 91566

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/11/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503775	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271870FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/11/2024 16:05:47	MANUAL WT	pslider1		Gross	42401 lb*
Out	03/11/2024 16:05:47		pslider1		Tare	1 lb*
			* Manual Weight		Net	42400 lb
					Tons	21.20

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 91567

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/11/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503776	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271871FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/11/2024 16:13:24	MANUAL WT	pslider1		Gross	42941 lb*
Out	03/11/2024 16:13:24		pslider1		Tare	1 lb*
			* Manual Weight		Net	42940 lb
					Tons	21.47

Comments

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Reprint
Ticket# 90367

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/28/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503486	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271872FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/28/2024 10:11:04	MANUAL WT	pslider1		Gross	42681 lb*
Out	02/28/2024 10:11:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	42680 lb
					Tons	21.34

Comments

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Reprint
Ticket# 91482

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503686	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271873FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 16:06:35	MANUAL WT	pslider1		Gross	42301 lb*
Out	03/08/2024 16:06:35		pslider1		Tare	1 lb*
			* Manual Weight		Net	42300 lb
					Tons	21.15

Comments

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Reprint
Ticket# 91480

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503684	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271874FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 15:57:59	MANUAL WT	pslider1		Gross	43481 lb*
Out	03/08/2024 15:57:59		pslider1		Tare	1 lb*
			* Manual Weight		Net	43480 lb
					Tons	21.74

Comments

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Reprint
Ticket# 91481

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503685	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271875FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 16:01:26	MANUAL WT	pslider1		Gross	45581 lb*
Out	03/08/2024 16:01:26		pslider1		Tare	1 lb*
			* Manual Weight		Net	45580 lb
					Tons	22.79

Comments

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Reprint
Ticket# 89102

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503063	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271876FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 10:28:59	MANUAL WT	pslider1		Gross	40161 lb*
Out	02/19/2024 10:28:59		pslider1		Tare	1 lb*
			* Manual Weight		Net	40160 lb
					Tons	20.08

Comments

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Reprint
Ticket# 89097

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503059	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271877FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 09:44:55	MANUAL WT	pslider1		Gross	36021 lb*
Out	02/19/2024 09:44:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	36020 lb
					Tons	18.01

Comments

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Reprint
Ticket# 91390

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503661	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271878FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 12:37:55	MANUAL WT	pslider1		Gross	40281 lb*
Out	03/08/2024 12:37:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	40280 lb
					Tons	20.14

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89985

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503347	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271879FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 14:51:02	MANUAL WT	pslider1		Gross	39641 lb*
Out	02/26/2024 14:51:02		pslider1		Tare	1 lb*
			* Manual Weight		Net	39640 lb
					Tons	19.82

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 90016

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503355	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271880FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:34:42	MANUAL WT	pslider1		Gross	39281 lb*
Out	02/26/2024 15:34:42		pslider1		Tare	1 lb*
			* Manual Weight		Net	39280 lb
					Tons	19.64

Comments

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Reprint
Ticket# 89990

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503349	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271881FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:02:00	MANUAL WT	pslider1		Gross	46121 lb*
Out	02/26/2024 15:02:00		pslider1		Tare	1 lb*
			* Manual Weight		Net	46120 lb
					Tons	23.06

Comments

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Reprint
Ticket# 89204

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503101	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271882FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/20/2024 09:04:55	MANUAL WT	pslider1		Gross	32061 lb*
Out	02/20/2024 09:04:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	32060 lb
					Tons	16.03

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89141

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503098	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271883FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 13:47:39	MANUAL WT	pslider1		Gross	38621 lb*
Out	02/19/2024 13:47:39		pslider1		Tare	1 lb*
			* Manual Weight		Net	38620 lb
					Tons	19.31

Comments

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Reprint
Ticket# 89112

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503073	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271884FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 11:13:53	MANUAL WT	pslider1		Gross	37901 lb*
Out	02/19/2024 11:13:53		pslider1		Tare	1 lb*
			* Manual Weight		Net	37900 lb
					Tons	18.95

Comments

Chemical Waste Management of the NorthWest
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Reprint
Ticket# 90007

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503353	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271885FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:22:48	MANUAL WT	pslider1		Gross	40581 lb*
Out	02/26/2024 15:22:48		pslider1		Tare	1 lb*
			* Manual Weight		Net	40580 lb
					Tons	20.29

Comments

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Reprint
Ticket# 89212

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503107	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271886FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/20/2024 10:44:34	MANUAL WT	pslider1		Gross	33101 lb*
Out	02/20/2024 10:44:34		pslider1		Tare	1 lb*
			* Manual Weight		Net	33100 lb
					Tons	16.55

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89203

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503100	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271887FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound	Gross	38161 lb*
In	02/20/2024 08:42:14	MANUAL WT	pslider1		Tare	1 lb*
Out	02/20/2024 08:42:14		pslider1		Net	38160 lb
			* Manual Weight		Tons	19.08

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 89111

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503072	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271888FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 11:10:01	MANUAL WT	pslider1		Gross	39861 lb*
Out	02/19/2024 11:10:01		pslider1		Tare	1 lb*
			* Manual Weight		Net	39860 lb
					Tons	19.93

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 89095

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503055	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271889FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 09:30:38	MANUAL WT	pslider1		Gross	43441 lb*
Out	02/19/2024 09:30:38		pslider1		Tare	1 lb*
			* Manual Weight		Net	43440 lb
					Tons	21.72

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 94837

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505034	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271890FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:53:09	MANUAL WT	pslider1		Gross	40021 lb*
Out	04/12/2024 14:53:09		pslider1		Tare	1 lb*
			* Manual Weight		Net	40020 lb
					Tons	20.01

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89915

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503306	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271891FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 11:25:10	MANUAL WT	pslider1		Gross	34061 lb*
Out	02/26/2024 11:25:10		pslider1		Tare	1 lb*
			* Manual Weight		Net	34060 lb
					Tons	17.03

Comments

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17629 Cedar Springs Lane
Arlington, OR, 97812
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Reprint
Ticket# 92673

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504375	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271892FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	36701 lb*
In	03/22/2024 07:54:13	MANUAL WT	mdanko		Tare	1 lb*
Out	03/22/2024 07:54:13		mdanko		Net	36700 lb
			* Manual Weight		Tons	18.35

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89437

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/21/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503167	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271893FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/21/2024 11:55:30	MANUAL WT	pslider1		Gross	32641 lb*
Out	02/21/2024 11:55:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	32640 lb
					Tons	16.32

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89210

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503106	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271894FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/20/2024 10:41:06	MANUAL WT	pslider1		Gross	33801 lb*
Out	02/20/2024 10:41:06		pslider1		Tare	1 lb*
			* Manual Weight		Net	33800 lb
					Tons	16.90

Comments

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Reprint
Ticket# 89436

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/21/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503166	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271895FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/21/2024 11:51:38	MANUAL WT	pslider1		Gross	34321 lb*
Out	02/21/2024 11:51:38		pslider1		Tare	1 lb*
			* Manual Weight		Net	34320 lb
					Tons	17.16

Comments

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Reprint
Ticket# 89208

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503105	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271896FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/20/2024 10:36:13	MANUAL WT	pslider1		Gross	37161 lb*
Out	02/20/2024 10:36:13		pslider1		Tare	1 lb*
			* Manual Weight		Net	37160 lb
					Tons	18.58

Comments

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Reprint
Ticket# 89826

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/23/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503294	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271897FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/23/2024 15:42:32	MANUAL WT	pslider1		Gross	30921 lb*
Out	02/23/2024 15:42:32		pslider1		Tare	1 lb*
			* Manual Weight		Net	30920 lb
					Tons	15.46

Comments

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Reprint
Ticket# 92674

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504378	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271898FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/22/2024 08:06:41	MANUAL WT	mdanko		Gross	33981 lb*
Out	03/22/2024 08:06:41		mdanko		Tare	1 lb*
			* Manual Weight		Net	33980 lb
					Tons	16.99

Comments

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Reprint
Ticket# 89142

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/19/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503099	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271899FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/19/2024 13:51:56	MANUAL WT	pslider1		Gross	37181 lb*
Out	02/19/2024 13:51:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	37180 lb
					Tons	18.59

Comments

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Reprint
Ticket# 89914

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503305	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271900FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 11:21:09	MANUAL WT	pslider1		Gross	37561 lb*
Out	02/26/2024 11:21:09		pslider1		Tare	1 lb*
			* Manual Weight		Net	37560 lb
					Tons	18.78

Comments

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Reprint
Ticket# 91749

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503853	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271901FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/12/2024 16:38:32	MANUAL WT	pslider1		Gross	39341 lb*
Out	03/12/2024 16:38:32		pslider1		Tare	1 lb*
			* Manual Weight		Net	39340 lb
					Tons	19.67

Comments

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Reprint
Ticket# 90002

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503352	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271902FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:17:04	MANUAL WT	pslider1		Gross	36601 lb*
Out	02/26/2024 15:17:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	36600 lb
					Tons	18.30

Comments

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Reprint
Ticket# 89997

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503351	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271903FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:12:27	MANUAL WT	pslider1		Gross	41121 lb*
Out	02/26/2024 15:12:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	41120 lb
					Tons	20.56

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 90013

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503354	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271904FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 15:28:56	MANUAL WT	pslider1		Gross	38461 lb*
Out	02/26/2024 15:28:56		pslider1		Tare	1 lb*
			* Manual Weight		Net	38460 lb
					Tons	19.23

Comments

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Reprint
Ticket# 92675

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504379	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271905FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/22/2024 08:53:18	MANUAL WT	mdanko		Gross	41561 lb*
Out	03/22/2024 08:53:18		mdanko		Tare	1 lb*
			* Manual Weight		Net	41560 lb
					Tons	20.78

Comments

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Reprint
Ticket# 94850

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505266	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271906FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:37:04	MANUAL WT	pslider1		Gross	42821 lb*
Out	04/12/2024 15:37:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	42820 lb
					Tons	21.41

Comments

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Reprint
Ticket# 92676

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504386	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271907FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/22/2024 08:58:29	MANUAL WT	mdanko		Gross	42501 lb*
Out	03/22/2024 08:58:29		mdanko		Tare	1 lb*
			* Manual Weight		Net	42500 lb
					Tons	21.25

Comments

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Reprint
Ticket# 92678

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504392	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271908FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:04:32	MANUAL WT	mdanko		Gross	44841 lb*
Out	03/22/2024 09:04:32		mdanko		Tare	1 lb*
			* Manual Weight		Net	44840 lb
					Tons	22.42

Comments

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Reprint
Ticket# 95549

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505324	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271909FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 09:30:20	MANUAL WT	pslider1		Gross	44541 lb*
Out	04/22/2024 09:30:20		pslider1		Tare	1 lb*
			* Manual Weight		Net	44540 lb
					Tons	22.27

Comments

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Reprint
Ticket# 94851

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505279	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271910FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:40:38	MANUAL WT	pslider1		Gross	42861 lb*
Out	04/12/2024 15:40:38		pslider1		Tare	1 lb*
			* Manual Weight		Net	42860 lb
					Tons	21.43

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 92680

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504394	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271911FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:10:30	MANUAL WT	mdanko		Gross	41381 lb*
Out	03/22/2024 09:10:30		mdanko		Tare	1 lb*
			* Manual Weight		Net	41380 lb
					Tons	20.69

Comments

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Reprint
Ticket# 91476

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503682	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271912FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 15:50:31	MANUAL WT	pslider1		Gross	42221 lb*
Out	03/08/2024 15:50:31		pslider1		Tare	1 lb*
			* Manual Weight		Net	42220 lb
					Tons	21.11

Comments

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Reprint
Ticket# 92677

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504389	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271913FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:01:23	MANUAL WT	mdanko		Gross	41381 lb*
Out	03/22/2024 09:01:23		mdanko		Tare	1 lb*
			* Manual Weight		Net	41380 lb
					Tons	20.69

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 91786

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/13/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503917	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271914FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/13/2024 11:52:08	MANUAL WT	pslider1		Gross	44521 lb*
Out	03/13/2024 11:52:08		pslider1		Tare	1 lb*
			* Manual Weight		Net	44520 lb
					Tons	22.26

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 91392

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/08/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503663	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271915FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/08/2024 12:41:20	MANUAL WT	pslider1		Gross	41021 lb*
Out	03/08/2024 12:41:20		pslider1		Tare	1 lb*
			* Manual Weight		Net	41020 lb
					Tons	20.51

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 91568

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/11/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503778	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271916FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/11/2024 16:28:30	MANUAL WT	pslider1		Gross	39481 lb*
Out	03/11/2024 16:28:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	39480 lb
					Tons	19.74

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 89825

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/23/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503293	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271917FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/23/2024 15:39:29	MANUAL WT	pslider1		Gross	42081 lb*
Out	02/23/2024 15:39:29		pslider1		Tare	1 lb*
			* Manual Weight		Net	42080 lb
					Tons	21.04

Comments

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Reprint
Ticket# 89982

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	02/26/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503346	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271918FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	02/26/2024 14:46:38	MANUAL WT	pslider1		Gross	40101 lb*
Out	02/26/2024 14:46:38		pslider1		Tare	1 lb*
			* Manual Weight		Net	40100 lb
					Tons	20.05

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 91501

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/11/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503719	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271919FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/11/2024 09:39:59	MANUAL WT	pslider1		Gross	42921 lb*
Out	03/11/2024 09:39:59		pslider1		Tare	1 lb*
			* Manual Weight		Net	42920 lb
					Tons	21.46

Comments

Chemical Waste Management of the NorthWest
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Reprint
Ticket# 95582

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505414	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271920FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:50:03	MANUAL WT	pslider1		Gross	46241 lb*
Out	04/22/2024 10:50:03		pslider1		Tare	1 lb*
			* Manual Weight		Net	46240 lb
					Tons	23.12

Comments

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Reprint
Ticket# 94752

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504695	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271921FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 10:26:59	MANUAL WT	tlane		Gross	43661 lb*
Out	04/12/2024 10:26:59		tlane		Tare	1 lb*
			* Manual Weight		Net	43660 lb
					Tons	21.83

Comments

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Reprint
Ticket# 94852

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505284	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271922FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:43:42	MANUAL WT	pslider1		Gross	38121 lb*
Out	04/12/2024 15:43:42		pslider1		Tare	1 lb*
			* Manual Weight		Net	38120 lb
					Tons	19.06

Comments

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Reprint
Ticket# 94846

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	5052256	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271923FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:22:23	MANUAL WT	pslider1		Gross	39781 lb*
Out	04/12/2024 15:22:23		pslider1		Tare	1 lb*
			* Manual Weight		Net	39780 lb
					Tons	19.89

Comments

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Reprint
Ticket# 91524

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/11/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503743	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271924FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/11/2024 11:02:04	MANUAL WT	pslider1		Gross	38021 lb*
Out	03/11/2024 11:02:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	38020 lb
					Tons	19.01

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 91497

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/11/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503715	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271925FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/11/2024 09:20:31	MANUAL WT	pslider1		Gross	40681 lb*
Out	03/11/2024 09:20:31		pslider1		Tare	1 lb*
			* Manual Weight		Net	40680 lb
					Tons	20.34

Comments

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Reprint
Ticket# 94823

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504991	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271926FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:27:55	MANUAL WT	pslider1		Gross	36161 lb*
Out	04/12/2024 14:27:55		pslider1		Tare	1 lb*
			* Manual Weight		Net	36160 lb
					Tons	18.08

Comments

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Reprint
Ticket# 91784

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/13/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503910	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271927FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/13/2024 11:42:06	MANUAL WT	pslider1		Gross	37221 lb*
Out	03/13/2024 11:42:06		pslider1		Tare	1 lb*
			* Manual Weight		Net	37220 lb
					Tons	18.61

Comments

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Reprint
Ticket# 95669

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505518	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271928FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 14:49:19	MANUAL WT	pslider1		Gross	40501 lb*
Out	04/22/2024 14:49:19		pslider1		Tare	1 lb*
			* Manual Weight		Net	40500 lb
					Tons	20.25

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 95581

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505413	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271929FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:46:17	MANUAL WT	pslider1		Gross	39821 lb*
Out	04/22/2024 10:46:17		pslider1		Tare	1 lb*
			* Manual Weight		Net	39820 lb
					Tons	19.91

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94816

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504986	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271930FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:13:43	MANUAL WT	pslider1		Gross	41661 lb*
Out	04/12/2024 14:13:43		pslider1		Tare	1 lb*
			* Manual Weight		Net	41660 lb
					Tons	20.83

Comments

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Reprint
Ticket# 95603

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505497	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271931FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:12:44	MANUAL WT	pslider1		Gross	40621 lb*
Out	04/22/2024 12:12:44		pslider1		Tare	1 lb*
			* Manual Weight		Net	40620 lb
					Tons	20.31

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 92443

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	503965	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271932FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/20/2024 10:46:04	MANUAL WT	pslider1		Gross	39541 lb*
Out	03/20/2024 10:46:04		pslider1		Tare	1 lb*
			* Manual Weight		Net	39540 lb
					Tons	19.77

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 94849

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505259	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271933FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:33:45	MANUAL WT	pslider1		Gross	39181 lb*
Out	04/12/2024 15:33:45		pslider1		Tare	1 lb*
			* Manual Weight		Net	39180 lb
					Tons	19.59

Comments

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Reprint
Ticket# 94820

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504988	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271934FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:21:11	MANUAL WT	pslider1		Gross	39201 lb*
Out	04/12/2024 14:21:11		pslider1		Tare	1 lb*
			* Manual Weight		Net	39200 lb
					Tons	19.60

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Reprint
Ticket# 92524

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504326	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271935FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	39701 lb*
In	03/20/2024 14:49:49	MANUAL WT	mdanko		Tare	1 lb*
Out	03/20/2024 14:49:49		mdanko		Net	39700 lb
			* Manual Weight		Tons	19.85

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 94833

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	505032	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271936FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:46:12	MANUAL WT	pslider1		Gross	36161 lb*
Out	04/12/2024 14:46:12		pslider1		Tare	1 lb*
			* Manual Weight		Net	36160 lb
					Tons	18.08

Comments

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17629 Cedar Springs Lane
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Reprint
Ticket# 94835

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505033	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271937FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:49:27	MANUAL WT	pslider1		Gross	34861 lb*
Out	04/12/2024 14:49:27		pslider1		Tare	1 lb*
			* Manual Weight		Net	34860 lb
					Tons	17.43

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 92564

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/21/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504328	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271938FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/21/2024 09:15:35	MANUAL WT	mdanko		Gross	40541 lb*
Out	03/21/2024 09:15:35		mdanko		Tare	1 lb*
			* Manual Weight		Net	40540 lb
					Tons	20.27

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92561

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/21/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504327	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271939FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/21/2024 09:06:10	MANUAL WT	mdanko		Gross	42321 lb*
Out	03/21/2024 09:06:10		mdanko		Tare	1 lb*
			* Manual Weight		Net	42320 lb
					Tons	21.16

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 92681

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504395	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271940FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:13:00	MANUAL WT	mdanko		Gross	40361 lb*
Out	03/22/2024 09:13:00		mdanko		Tare	1 lb*
			* Manual Weight		Net	40360 lb
					Tons	20.18

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
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Ph: (541) 454-2643

Reprint
Ticket# 92679

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504393	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271941FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:08:24	MANUAL WT	mdanko		Gross	38181 lb*
Out	03/22/2024 09:08:24		mdanko		Tare	1 lb*
			* Manual Weight		Net	38180 lb
					Tons	19.09

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94812

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504966	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271942FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:07:06	MANUAL WT	pslider1		Gross	39741 lb*
Out	04/12/2024 14:07:06		pslider1		Tare	1 lb*
			* Manual Weight		Net	39740 lb
					Tons	19.87

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94840

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505088	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271943FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:00:13	MANUAL WT	pslider1		Gross	40021 lb*
Out	04/12/2024 15:00:13		pslider1		Tare	1 lb*
			* Manual Weight		Net	40020 lb
					Tons	20.01

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95667

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505517	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271944FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 14:44:57	MANUAL WT	pslider1		Gross	42861 lb*
Out	04/22/2024 14:44:57		pslider1		Tare	1 lb*
			* Manual Weight		Net	42860 lb
					Tons	21.43

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95616

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505512	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271945FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:50:30	MANUAL WT	pslider1		Gross	40641 lb*
Out	04/22/2024 12:50:30		pslider1		Tare	1 lb*
			* Manual Weight		Net	40640 lb
					Tons	20.32

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95580

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505412	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271946FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 10:41:33	MANUAL WT	pslider1		Gross	43481 lb*
Out	04/22/2024 10:41:33		pslider1		Tare	1 lb*
			* Manual Weight		Net	43480 lb
					Tons	21.74

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92522

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/20/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504325	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271947FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/20/2024 14:46:25	MANUAL WT	mdanko		Gross	38761 lb*
Out	03/20/2024 14:46:25		mdanko		Tare	1 lb*
			* Manual Weight		Net	38760 lb
					Tons	19.38

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94821

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504990	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271948FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:24:38	MANUAL WT	pslider1		Gross	39881 lb*
Out	04/12/2024 14:24:38		pslider1		Tare	1 lb*
			* Manual Weight		Net	39880 lb
					Tons	19.94

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94817

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504987	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271949FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:17:23	MANUAL WT	pslider1		Gross	38581 lb*
Out	04/12/2024 14:17:23		pslider1		Tare	1 lb*
			* Manual Weight		Net	38580 lb
					Tons	19.29

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92685

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504399	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271950FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:28:13	MANUAL WT	mdanko		Gross	41941 lb*
Out	03/22/2024 09:28:13		mdanko		Tare	1 lb*
			* Manual Weight		Net	41940 lb
					Tons	20.97

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92684

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504398	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271951FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:25:12	MANUAL WT	mdanko		Gross	46381 lb*
Out	03/22/2024 09:25:12		mdanko		Tare	1 lb*
			* Manual Weight		Net	46380 lb
					Tons	23.19

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92689

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504401	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271952FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:34:02	MANUAL WT	mdanko		Gross	42721 lb*
Out	03/22/2024 09:34:02		mdanko		Tare	1 lb*
			* Manual Weight		Net	42720 lb
					Tons	21.36

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94848

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505258	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271953FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 15:29:15	MANUAL WT	pslider1		Gross	43541 lb*
Out	04/12/2024 15:29:15		pslider1		Tare	1 lb*
			* Manual Weight		Net	43540 lb
					Tons	21.77

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94801

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504879	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271954FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound	Gross	46581 lb*
In	04/12/2024 13:31:28	MANUAL WT	tlane		Tare	1 lb*
Out	04/12/2024 13:31:28		tlane		Net	46580 lb
			* Manual Weight		Tons	23.29

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94808

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504949	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271955FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 14:00:16	MANUAL WT	pslider1		Gross	44341 lb*
Out	04/12/2024 14:00:16		pslider1		Tare	1 lb*
			* Manual Weight		Net	44340 lb
					Tons	22.17

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93095

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504642	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271956FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:12:50	MANUAL WT	mdanko		Gross	40901 lb*
Out	03/27/2024 14:12:50		mdanko		Tare	1 lb*
			* Manual Weight		Net	40900 lb
					Tons	20.45

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93097

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504644	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271957FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:15:35	MANUAL WT	mdanko		Gross	42821 lb*
Out	03/27/2024 14:15:35		mdanko		Tare	1 lb*
			* Manual Weight		Net	42820 lb
					Tons	21.41

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93091

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504640	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271958FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:07:25	MANUAL WT	mdanko		Gross	42121 lb*
Out	03/27/2024 14:07:25		mdanko		Tare	1 lb*
			* Manual Weight		Net	42120 lb
					Tons	21.06

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93103

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504645	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271959FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:34:06	MANUAL WT	mdanko		Gross	45361 lb*
Out	03/27/2024 14:34:06		mdanko		Tare	1 lb*
			* Manual Weight		Net	45360 lb
					Tons	22.68

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 92682

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504396	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271960FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	03/22/2024 09:15:29	MANUAL WT	mdanko		Gross	41841 lb*
Out	03/22/2024 09:15:29		mdanko		Tare	1 lb*
			* Manual Weight		Net	41840 lb
					Tons	20.92

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 95609

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/22/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	505506	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271961FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/22/2024 12:33:54	MANUAL WT	pslider1		Gross	41101 lb*
Out	04/22/2024 12:33:54		pslider1		Tare	1 lb*
			* Manual Weight		Net	41100 lb
					Tons	20.55

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 94750

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	04/12/2024	Vehicle#	RAIL Volume
Payment Type	Credit Account	Container	
CWM Load#	504676	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271962FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

	Time	Scale	Operator	Inbound		
In	04/12/2024 10:15:35	MANUAL WT	tlane		Gross	40561 lb*
Out	04/12/2024 10:15:35		tlane		Tare	1 lb*
			* Manual Weight		Net	40560 lb
					Tons	20.28

Comments

Chemical Waste Management of the NorthWest
17629 Cedar Springs Lane
Arlington, OR, 97812
Ph: (541) 454-2643

Reprint
Ticket# 93105

Customer Name	3 KINGS ENVIRONMENTAL 3 KINGS	Carrier	WATCO PALUOSE & COULEE CITY
Ticket Date	03/27/2024	Vehicle#	RAIL
Payment Type	Credit Account	Container	
CWM Load#	504647	Driver	
Hauling Ticket#		Check#	
Route		Billing #	0000881
State Waste Code		Gen EPA ID	
Manifest	019271963FLE		
Destination		Grid	
PO	OR355404		
Profile	OR355404 (PCB PAINTED CONCRETE: PCB01)		
Generator	133-CITY OF ANACORTES CITY OF ANACORTES (14489 RIVER BEND RD)		

Volume

	Time	Scale	Operator	Inbound		
In	03/27/2024 14:38:35	MANUAL WT	mdanko		Gross	39581 lb*
Out	03/27/2024 14:38:35		mdanko		Tare	1 lb*
			* Manual Weight		Net	39580 lb
					Tons	19.79

Comments

TAB 4 - DTG Weight Tickets

Disposal Site	Customer Site
Maltby	3 kings
219th Street Southeast	3 Kings 14489
Woodinville	River Bend Road
Snohomish County	Mount Vernon
Washington	Skagit County
United States	Washington
98072	United States of America
	98273

Weighing Ticket No.	WT-MAL84589
Job Ticket No.	JPS113322
Order No.	OR46344
Vehicle Type	Hook
Vehicle Reg.	D019
Driver	Tajinder Singh

Material	EWC Code	EWC Code Description
	NA	NA

	Weight	Tally	Date	Time
Gross	43080		8/28/2023	9:21 AM
Tare	36680		8/28/2023	12:00 AM
Net	6400			

Disposal Site	Customer Site
Snohomish	3 kings
Yew Way	3 Kings 14489
Snohomish	River Bend Road
	Mount Vernon
	Skagit County
United States of America	Washington
98296	United States of America
	98273

Weighing Ticket No.	WT-SNO4483
Job Ticket No.	JPS118766
Order No.	OR46344
Vehicle Type	Hook
Vehicle Reg.	D022
Driver	Melvin Coen

Material	EWC Code	EWC Code Description
	NA	NA

	Weight	Tally	Date	Time
Gross	44360		9/25/2023	9:02 AM
Tare	36300		9/25/2023	12:00 AM
Net	8060			

Disposal Site	Customer Site
Snohomish	3 kings
Yew Way	3 Kings 14489
Snohomish	River Bend Road
	Mount Vernon
	Skagit County
United States of America	Washington
98296	United States of America
	98273

Weighing Ticket No.	WT-SNO4559
Job Ticket No.	JPS119069
Order No.	OR46344
Vehicle Type	Hook
Vehicle Reg.	D022
Driver	Melvin Coen

Material	EWC Code	EWC Code Description
	NA	NA

	Weight	Tally	Date	Time
Gross	42340		9/28/2023	8:59 AM
Tare	36000		9/28/2023	12:00 AM
Net	6340			

TAB 5 - Scrap Metal Tickets

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METROMETALS NORTHWEST, INC

5355
3 Kings Environmental
14889 RIVER BEND RD
MT VERNON, WA 98273

March 14, 2024 5019466

Ticket# 1317321
Weight 32,600
Total [redacted]

Driver: Sean Doyle
Truck#: #36 19 Freightli
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1317321

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	46,000	32,380			13,620	N	[redacted]	
TRANSPORT-CLASS B ROLLOFF/HI						EA		
#1 Steel Unprepared	52,600	33,620			18,980	N		
	98,600	66,000			32,600			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
14889 RIVER BEND RD
MT VERNON, WA 98273

February 15, 2024 5019073

Ticket# 1312810
Weight 23,700
Total [redacted]

Driver:Michael Bachmann
Truck#:#44 23 Freightli
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1312810

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS B ROLLOFF/HI						EA	[redacted]	
#1 Steel Unprepared	58,380	34,680			23,700	N		
	58,380	34,680			23,700			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket
Tacoma
2202 E River St.
Tacoma, WA 98421

METRO METALS NORTHWEST, INC.

5355
3 Kings Environmental
14889 RIVER BEND RD
MT VERNON, WA 98273

February 06, 2024 5018710

Ticket# 1309746
Weight 3,500
Total [redacted]

Driver: Brett Esquivel
Truck#: #68 02 Kenworth
Other:

Description:
Container In:
Container Out:

Notes: MT VERNON

Commercial Ticket - Number: 1309746

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 ICW 90%	35,600	35,000			600	P	[redacted]	
TRANSPORT-CLASS B ROLLOFF/HI						EA		
#2 ICW 70%	35,000	32,100			2,900	P		
	70,600	67,100			3,500			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

January 18, 2024 5018530

Ticket# 1308363
Weight 3,460
Total [redacted]

Driver: Brett Esquivel
Truck#: #68 02 Kenworth
Other:

Description:
Container In:
Container Out:

Notes: mt vernon

Commercial Ticket - Number: 1308363

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS B ROLLOFF/HI						EA	[redacted]	
Tin	38,340	34,380	500		3,460	N		
	38,340	34,380	500		3,460			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

December 01, 2023 5017508

Ticket# 1301895
Weight 31,160
Total [redacted]

Driver:
Truck#:
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1301895

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	76,300	45,140			31,160	N	[redacted]	
	76,300	45,140			31,160			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

November 09, 2023 5017279

Ticket# 1298556
Weight 29,980
Total [redacted]

Driver: Independant Hauler
Truck#: 1
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1298556

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	63,260	37,340			25,920	N	[redacted]	
TRANSPORT-CLASS B ROLLOFF/HI						EA		
Stainless Steel 304	39,140	35,080			4,060	P		
	102,400	72,420			29,980			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METRO METALS NORTHWEST, INC.

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

October 17, 2023 5016604

Ticket# 1294516
Weight 16,460
Total [redacted]

Driver:
Truck#:
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1294516

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	63,120	46,660			16,460	N	[redacted]	
	63,120	46,660			16,460			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METROMETALS NORTHWEST, INC

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

October 16, 2023 5016577

Ticket# 1294371
Weight 23,260
Total [redacted]

Driver:
Truck#: 3KINGS
Other:

Description:
Container In:
Container Out:

Notes: 223060

Commercial Ticket - Number: 1294371

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	70,080	46,820			23,260	N	[redacted]	
	70,080	46,820			23,260			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METRO METALS NORTHWEST, INC

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

October 12, 2023 5016722

Ticket# 1293569
Weight 7,400
Total [redacted]

Driver: Brett Esquivel
Truck#: 68
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1293569

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS B ROLLOFF/HI						EA	[redacted]	
Tin	39,800	32,400			7,400	N		
	39,800	32,400			7,400			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

October 02, 2023 5016552

Ticket# 1291520
Weight 7,960
Total [redacted]

Driver: Brett Esquivel
Truck#: 68
Other:

Description:
Container In:
Container Out:

Notes: Mt Vernon

Commercial Ticket - Number: 1291520

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS B ROLLOFF/HI						EA	[redacted]	
Tin	42,220	34,260			7,960	N		
	42,220	34,260			7,960			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METRO METALS NORTHWEST, INC

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

September 19, 2023 5016099

Ticket# 1289258
Weight 3,620
Total [redacted]

Driver: Snyder Charlie
Truck#: 36
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1289258

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS B ROLLOFF/HI						EA	[redacted]	
Tin	38,340	34,720			3,620	N		
	38,340	34,720			3,620			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METRO METALS NORTHWEST, INC

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

September 13, 2023 5016097

Ticket# 1288507
Weight 16,860
Total [redacted]

Driver: Shortt, Robert
Truck#:
Other:

Description:
Container In:
Container Out:

Notes: Mt Vernon

Commercial Ticket - Number: 1288507

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS A END DUMP/I						EA	[redacted]	
#1 Steel Unprepared	59,260	42,400			16,860	N		
	59,260	42,400			16,860			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

METROMETALS NORTHWEST INC

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

September 12, 2023 5016096

Ticket# 1288210
Weight 25,420
Total [redacted]

Driver: Shortt, Robert
Truck#:
Other:

Description:
Container In:
Container Out:

Notes: Mt Vernon

Commercial Ticket - Number: 1288210

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS A END DUMP/I						EA	[redacted]	
#1 Steel Unprepared	67,760	42,340			25,420	N		
	67,760	42,340			25,420			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

August 23, 2023 5015518

Ticket# 1284559
Weight 22,240
Total [redacted]

Driver: Brett Esquivel
Truck#: 68
Other:

Description:
Container In:
Container Out:

Notes: MT VERNON

Commercial Ticket - Number: 1284559

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
TRANSPORT-CLASS B ROLLOFF/HI						EA	[redacted]	
#1 Steel Unprepared	57,820	35,580			22,240	N		
	57,820	35,580			22,240			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

December 27, 2023 5017941

Ticket# 1305769
Weight 40,580
Total [redacted]

Driver:
Truck#: 47
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1305769

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	87,960	46,880	500	CMNT	40,580	N	[redacted]	
	87,960	46,880	500		40,580			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

February 27, 2024 5019119

Ticket# 1315381
Weight 26,240
Total [redacted]

Driver:
Truck#: 47
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1315381

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	72,980	46,740			26,240	N	[redacted]	
	72,980	46,740			26,240			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

February 28, 2024 5019120

Ticket# 1315505
Weight 30,260
Total [redacted]

Driver:
Truck#: 47
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1315505

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	77,260	47,000			30,260	N	[redacted]	
	77,260	47,000			30,260			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket

Tacoma

2202 E River St.
Tacoma, WA 98421

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

August 23, 2023

Ticket# 1284559
Weight 22,240
Total [redacted]

Driver: Brett Esquivel
Truck#: 68
Other:

Description:
Container In:
Container Out:

Notes: MT VERNON

Commercial Ticket - Number: 1284559

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	57,820	35,580			22,240	N	[redacted]	
	57,820	35,580			22,240			

Phone: 253 272-9364
Fax: 253 838-1998

Purchase Ticket
Tacoma
2202 E River St.
Tacoma, WA 98421

METRO METALS NORTHWEST, INC.

5355
3 Kings Environmental
P.O. Box 280
Battleground, WA 98604

December 26, 2023

Ticket# 1305731
Weight 38,220
Total [redacted]

Driver:
Truck#:47
Other:

Description:
Container In:
Container Out:

Notes:

Commercial Ticket - Number: 1305731

Commodity	Gross	Tare	Tare2	Deduct	Net	UM	Price	Total
#1 Steel Unprepared	85,140	46,920			38,220	N	[redacted]	
	85,140	46,920			38,220			

Job # 223060

Scanned with CamScanner

QUIL CEDA RECYCLING

TELEPHONE (360) 653-3360
10419 STATE AVE
MARYSVILLE, WA 98271

DL# Date 1-13-24

Customer [redacted]

QTY	DESCRIPTION	PRICE	AMOUNT
1036	#2	[redacted]	[redacted]
706	GLASS Yellow	[redacted]	[redacted]
		TOTAL	[redacted]

QUIL CEDA RECYCLING

TELEPHONE (360) 653-3360
10419 STATE AVE
MARYSVILLE, WA 98271

DL# [redacted] Date 1-26-24

Customer [redacted]

QTY	DESCRIPTION	PRICE	AMOUNT
1688	#1 copper 1325	[redacted]	[redacted]
202	#2 copper	[redacted]	[redacted]
1027	Brass	[redacted]	[redacted]
	TOTAL		[redacted]

SCRAP-IT

1526 Slater Rd, PO Box 669
Ferndale, WA 98248
360-734-1112 (Tel)

Purchase Ticket

Ticket # 55661

Issued on 4/8/2024 11:02:15 AM

SELLER	
Ref #	124937
Name	[redacted]
Address	
City/ST/Zip	BATTLE GROUND, WA 98604

MATERIAL	DESCRIPTION	GROSS	TARE	CORR	NET	QTY	UNIT PRICE	NET PRICE
HMS	REBAR	22,780	16,500	0	6,280	0	[redacted]	

Remarks:

Signature .

TOTALS	
Cash:	**$0.00**
Check:	[redacted]
Paid:	
Net Weight:	**6,280**

SCRAP-IT

1526 Slater Rd, PO Box 669
Ferndale, WA 98248
360-734-1112 (Tel)

Purchase Ticket

Ticket # 55672

Issued on 4/8/2024 3:33:10 PM

SELLER	
Ref #	124937
Name	[redacted]
Address	
City/ST/Zip	BATTLE GROUND, WA 98604

MATERIAL	DESCRIPTION	GROSS	TARE	CORR	NET	QTY	UNIT PRICE	NET PRICE
HMS		20,320	16,140	0	4,180	0	[redacted]	

Remarks:

TOTALS	
Cash:	$0.00
Check:	[redacted]
Paid:	
Net Weight:	4,180

Signature .....

Skagit River Steel & Recycling, Inc.

Serving You Since 1958

1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **458125**

Customer ID - 69614

[redacted]

Date: 12/27/2023 2:41:52PM
Scale: NF Platform
Weighmaster DANIEL JOHNSON

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
IRONY BRASS 75%	916.00 **M**	97.00 **M**	**819.00**	LB	**0.5000**	[redacted]

Check No. 172610 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller | 12/27 Date | Signature of Buyer or Witness

Skagit River Steel & Recycling

(360) 757-6096 / (360) 757-8820

December 27, 2023 Check Number - 172610

General Purchase # **458125**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
IRONY BRASS 75%	916.00	97.00	819 LB	0.50 LB	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL65111M1 DATABAR INC. 253-770-7338

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RECYCLING TODAY FOR TOMORROW'S FUTURE

8 TO 4:30 MONDAY THROUGH FRIDAY

Skagit River Steel & Recycling, Inc.

Serving You Since 1958

1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **459563**

Customer ID - 69614

[redacted]

Date: 3/6/2024 2:24:42PM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	22,520.00 S	16,340.00 S	**6,180.00**	Ton	**100.0000**	[redacted]

Check No. 173404 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller | 3/6 Date | Signature of Buyer or Witness

Skagit River Steel & Recycling

(360) 757-6096 / (360) 757-8820

March 6, 2024 Check Number - 173404

General Purchase # **459563**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	22,520.00	16,340.00	6,180 LB	100.00 Ton	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

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Skagit River Steel & Recycling, Inc.

Serving You Since 1958

1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **459575**

Customer ID - 69614

[redacted]

Date: 3/7/2024 8:11:56AM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	22,320.00 S	16,180.00 S	**6,140.00**	Ton	**100.0000**	[redacted]

Check No. 173412 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller

8/7
Date

Signature of Buyer or Witness

Skagit River Steel & Recycling

(360) 757-6096 / (360) 757-8820

March 7, 2024

Check Number - 173412

General Purchase # **459575**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	22,320.00	16,180.00	6,140 LB	100.00 Ton	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL85111M1 DATABAR INC. 253-770-7338

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RECYCLING TODAY FOR TOMORROW'S FUTURE

8 TO 4:30 MONDAY THROUGH FRIDAY

Skagit River Steel & Recycling, Inc.
Serving You Since 1958
1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **459577**

Customer ID - 69614

[redacted]

Date: 3/7/2024 9:10:18AM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	22,060.00 S	16,140.00 S	**5,920.00**	Ton	**100.0000**	[redacted]

Check No. 173414 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller | 3/7 Date | Signature of Buyer or Witness

Skagit River Steel & Recycling
(360) 757-6096 / (360) 757-8820

March 7, 2024

Check Number - 173414

General Purchase # **459577**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	22,060.00	16,140.00	5,920 LB	100.00 Ton	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

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RECYCLING TODAY FOR TOMORROW'S FUTURE
8 TO 4:30 MONDAY THROUGH FRIDAY

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Skagit River Steel & Recycling, Inc.

Serving You Since 1958

1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **459621**

Customer ID - 69614

[redacted]

Date: 3/8/2024 10:16:28AM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Page 1 of 1

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	24,000.00 S	16,360.00 S	**7,640.00**	Ton	**100.0000**	[redacted]

Check No. 173440 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller

3/8/24
Date

Signature of Buyer or Witness

Skagit River Steel & Recycling

March 8, 2024

Check Number - 173440

(360) 757-6096 / (360) 757-8820

General Purchase # **459621**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	24,000.00	16,360.00	7,640 LB	100.00 Ton	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL85111M1 DATABAR INC. 253-770-7338

PRINTED IN U.S.A.

RECYCLING TODAY FOR TOMORROW'S FUTURE

8 TO 4:30 MONDAY THROUGH FRIDAY

Skagit River Steel & Recycling, Inc.
Serving You Since 1958
1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **459796**

Customer ID - 69614

[redacted]

Date: 3/14/2024 2:11:07PM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	20,140.00 S	16,740.00 S	**3,400.00**	Ton	**100.0000**	[redacted]

Check No. 173539 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller

3/14
Date

Signature of Buyer or Witness

Skagit River Steel & Recycling
(360) 757-6096 / (360) 757-8820

March 14, 2024

Check Number - 173539

General Purchase # **459796**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	20,140.00	16,740.00	3,400 LB	100.00 Ton	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL85111M1 DATABAR INC. 253-770-7338

PRINTED IN U.S.A.

RECYCLING TODAY FOR TOMORROW'S FUTURE
8 TO 4:30 MONDAY THROUGH FRIDAY

powered by www.21stcenturyprogramming.com

Skagit River Steel & Recycling, Inc.

Serving You Since 1958

1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **460344**

Customer ID - 69614

[redacted]

Date: 4/3/2024 11:34:16AM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	37,940.00 S	30,900.00 S	**7,040.00**	Ton	**100.0000**	[redacted]
#2 UNPREPARED STEEL	36,860.00 M	30,900.00 S	**5,960.00**	Ton	**100.0000**	
#2 UNPREPARED STEEL	36,320.00 S	30,960.00 S	**5,360.00**	Ton	**100.0000**	

Check No. 173848 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

4/3/24

Signature of Seller | Date | Signature of Buyer or Witness

Skagit River Steel & Recycling

(360) 757-6096 / (360) 757-8820

April 3, 2024 Check Number - 173848

General Purchase # **460344**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	37,940.00	30,900.00	7,040 LB	100.00 Ton	[redacted]
#2 UNPREPARED STEEL	36,860.00	30,900.00	5,960 LB	100.00 Ton	
#2 UNPREPARED STEEL	36,320.00	30,960.00	5,360 LB	100.00 Ton	

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL65111M1 DATABAR INC. 253-770-7338 PRINTED IN U.S.A.

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Skagit River Steel & Recycling, Inc.
Serving You Since 1958
1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **460363**

Customer ID - 69614
[redacted]

Date: 4/4/2024 8:17:07AM
Scale: RomBigScale1
Weighmaster Aaron Coulter

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	41,480.00 S	31,340.00 S	**10,140.00**	Ton	**100.0000**	[redacted]

Check No. 173857 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller | Date 4/4/24 | Signature of Buyer or Witness

Skagit River Steel & Recycling
(360) 757-6096 / (360) 757-8820

April 4, 2024

Check Number - 173857

General Purchase # **460363**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	41,480.00	31,340.00	10,140 LB	100.00 Ton	[redacted]

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL65111M1 DATABAR INC. 253-770-7338 PRINTED IN U.S.A.

RECYCLING TODAY FOR TOMORROW'S FUTURE
8 TO 4:30 MONDAY THROUGH FRIDAY

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Skagit River Steel & Recycling, Inc.

Serving You Since 1958

1265 South Anacortes Street
P.O. Box 376
Burlington, WA 98233-0376
(360) 757-6096, FAX (360) 757-8820

Material Purchase Ticket

Ticket # **460511**

Customer ID - 69614

[redacted]

Date: 4/9/2024 3:05:10PM
Scale: RomBigScale1
Weighmaster DEWAINE MCKINNEY

Driver's License Number: [redacted]
Vehicle Tag:

Item	Gross	Tare	Net	UM	Price	Total
#2 UNPREPARED STEEL	14,600.00 S	13,900.00 S	**700.00**	Ton	**100.0000**	[redacted]
EC ALUMINUM WIRE	183.00 M	136.00 M	**47.00**	LB	**0.4000**	
INSULATED ALUM WIRE	13,900.00 S	13,480.00 S	**373.00**	LB	**0.2500**	

Misc. was found. Weight Adjusted by 47.00lbs

Check No. 173928 [redacted]

I, the under signed, affirm under penalty of law that the property that is subject to this transaction is not to the best of knowledge stolen property.

Signature of Seller — Date: 4/9/24 — Signature of Buyer or Witness

Skagit River Steel & Recycling

(360) 757-6096 / (360) 757-8820

April 9, 2024 Check Number - 173928

General Purchase # **460511**

Customer: [redacted]

Item Name	Gross	Tare	Net	Price	Total
#2 UNPREPARED STEEL	14,600.00	13,900.00	700 LB	100.00 Ton	[redacted]
EC ALUMINUM WIRE	183.00	136.00	47 LB	0.40 LB	
INSULATED ALUM WIRE	13,900.00	13,480.00	373 LB	0.25 LB	

Misc. was found. Weight Adjusted by 47.00lbs

Total: [redacted]

Cash Paid: **$0.00**
Check Paid: [redacted]

WL85111M1 DATABAR INC. 253-770-7338

PRINTED IN U.S.A.

RECYCLING TODAY FOR TOMORROW'S FUTURE

8 TO 4:30 MONDAY THROUGH FRIDAY

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2713744

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***3 Kings - City of Anacortes***

GENERATOR CODE (Assigned by Clean Harbors) ***3K0013*** CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***

ADDRESS ***14489 River Bend Road*** PHONE: **(360) 921-8702**

CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012*** CUSTOMER NAME: ***3 Kings***

ADDRESS ***6319 112th Street East*** CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Soil Cuttings***

PROCESS GENERATING WASTE: **Samples of the soil surrounding the building**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
- [ ] % FREE LIQUID
- [ ] % SETTLED SOLID
- [ ] % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3 % BY VOLUME (Approx.)

TOP ***0.00***
MIDDLE ***0.00***
BOTTOM ***0.00***

VISCOSITY (If liquid present)
- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR
- [ ] NONE
- [x] MILD
- [ ] STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- [x] 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
ARSENIC	6.0000000	--	6.0000000	PPM
BARIUM	58.0000000	--	58.0000000	PPM
CADMIUM	0.1500000	--	0.1500000	PPM
CHROMIUM	39.0000000	--	39.0000000	PPM
COPPER	28.0000000	--	28.0000000	PPM
LEAD	4.5000000	--	4.5000000	PPM
MERCURY	0.0510000	--	0.0510000	PPM
NICKEL	50.0000000	--	50.0000000	PPM
SOIL	100.0000000	--	100.0000000	%
ZINC	83.0000000	--	83.0000000	PPM

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G32*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W301***

E. CONSTITUENTS

Are these values based on testing or knowledge? Knowledge ☑ Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0		*6.0000000*	*PPM*	
D005	BARIUM	100.0		*58.0000000*	*PPM*	
D006	CADMIUM	1.0		*0.1500000*	*PPM*	
D007	CHROMIUM	5.0		*39.0000000*	*PPM*	
D008	LEAD	5.0		*4.5000000*	*PPM*	
D009	MERCURY	0.2		*0.0500000*	*PPM*	
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE

< 1000 PPM

>= 1000 PPM

PCBs

☑ NONE

< 50 PPM

>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

☑ YES NO DO ANY STATE WASTE CODES APPLY?

WT02

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON-RCRA HAZARDOUS WASTE, SOLIDS, (SOIL CUTTINGS)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

3-4 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***4***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

Reactive Metals Certification

Waste material will be shipped under a visible layer of mineral oil.	YES ☑	NO
Metal containers will be used for shipment.	YES ☑	NO

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2713760

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG***
GENERATOR NAME: ***3 Kings - City of Anacortes***
GENERATOR CODE (Assigned by Clean Harbors) ***3K0013***
CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***
ADDRESS ***14489 River Bend Road***
PHONE: **(360) 921-8702**
CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012***
CUSTOMER NAME: ***3 Kings***
ADDRESS ***6319 112th Street East***
CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Aluminum Sulfate Residual***

PROCESS GENERATING WASTE: **Spill Clean up after Pipe Burst containing aluminum salts solution.**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE

% FREE LIQUID ***90.00 - 100.00***
% SETTLED SOLID ***0.00 - 10.00***
% TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS
1 [x] 2 3
% BY VOLUME (Approx.)
TOP ***90.00***
MIDDLE ***0.00***
BOTTOM ***10.00***

VISCOSITY (If liquid present)
- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR
Varies

ODOR
- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- <= 1%
- 1-9%
- [x] >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH
- <= 2
- [x] 2.1 - 6.9
- 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- [x] 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- [x] > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
ALUMINUM SULFATE	25.0000000	--	75.0000000	%
ARSENIC	170.0000000	--	170.0000000	PPB
BARIUM	180.0000000	--	180.0000000	PPB
CHLORIDE	15.7000000	--	15.7000000	PPM
CHROMIUM	6300.0000000	--	6300.0000000	PPB
LEAD	81.0000000	--	81.0000000	PPB
NICKEL	600.0000000	--	600.0000000	PPB
WATER	50.0000000	--	99.0000000	%
ZINC	12000.0000000	--	12000.0000000	PPB

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G32***

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W202***

E. CONSTITUENTS

Are these values based on testing or knowledge? Knowledge ☑ Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0		*170.0000000*	*PPB*	
D005	BARIUM	100.0		*180.0000000*	*PPB*	
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0		*6.3000000*	*PPM*	
D008	LEAD	5.0		*81.0000000*	*PPB*	
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑

	VOLATILE COMPOUNDS		
D018	BENZENE	0.5	
D019	CARBON TETRACHLORIDE	0.5	
D021	CHLOROBENZENE	100.0	
D022	CHLOROFORM	6.0	
D028	1,2-DICHLOROETHANE	0.5	
D029	1,1-DICHLOROETHYLENE	0.7	
D035	METHYL ETHYL KETONE	200.0	
D039	TETRACHLOROETHYLENE	0.7	
D040	TRICHLOROETHYLENE	0.5	
D043	VINYL CHLORIDE	0.2	
	SEMI-VOLATILE COMPOUNDS		
D023	o-CRESOL	200.0	
D024	m-CRESOL	200.0	
D025	p-CRESOL	200.0	
D026	CRESOL (TOTAL)	200.0	
D027	1,4-DICHLOROBENZENE	7.5	
D030	2,4-DINITROTOLUENE	0.13	
D032	HEXACHLOROBENZENE	0.13	
D033	HEXACHLOROBUTADIENE	0.5	
D034	HEXACHLOROETHANE	3.0	
D036	NITROBENZENE	2.0	
D037	PENTACHLOROPHENOL	100.0	
D038	PYRIDINE	5.0	
D041	2,4,5-TRICHLOROPHENOL	400.0	
D042	2,4,6-TRICHLOROPHENOL	2.0	
	PESTICIDES AND HERBICIDES		
D012	ENDRIN	0.02	
D013	LINDANE	0.4	
D014	METHOXYCHLOR	10.0	
D015	TOXAPHENE	0.5	
D016	2,4-D	10.0	
D017	2,4,5-TP (SILVEX)	1.0	
D020	CHLORDANE	0.03	
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008	

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE	*15.7000*	*PPM*	
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

- NONE
- < 1000 PPM
- ☑ >= 1000 PPM

PCBs

- ☑ NONE
- < 50 PPM
- >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

- [x] YES [ ] NO USEPA HAZARDOUS WASTE?
  D007
- [ ] YES [x] NO DO ANY STATE WASTE CODES APPLY?
  Texas Waste Code
- [ ] YES [x] NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?
- [x] YES [ ] NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
  LDR CATEGORY: ***This is subject to LDR.***
  VARIANCE INFO:
- [ ] YES [x] NO IS THIS A UNIVERSAL WASTE?
- [ ] YES [ ] NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?
- [ ] YES [ ] NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?
- [ ] YES [x] NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
- [ ] YES [x] NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?
- [ ] YES [ ] NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?
- [ ] YES [x] NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
- [ ] YES [x] NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
- [ ] YES [x] NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?
- [ ] YES [x] NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?
- [ ] YES [x] NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?
  Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)
- [ ] YES [x] NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?
  - YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?
  - YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

  What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

  The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

  Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN2810, WASTE TOXIC LIQUIDS, ORGANIC, N.O.S, (CHROMIUM, ALUMINUM SULFATE), 6.1, PG III

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY [x] ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

[x] **CONTAINERIZED**

1-10 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***10***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX [x] DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

Reactive Metals Certification

Waste material will be shipped under a visible layer of mineral oil.	YES ☑	NO
Metal containers will be used for shipment.	YES ☑	NO

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2713785

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***3 Kings - City of Anacortes***

GENERATOR CODE (Assigned by Clean Harbors) ***3K0013*** CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***

ADDRESS ***14489 River Bend Road*** PHONE: **(360) 921-8702**

CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012*** CUSTOMER NAME: ***3 Kings***

ADDRESS ***6319 112th Street East*** CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Purged Ground Water***

PROCESS GENERATING WASTE: **Purged Ground Water Collected after a Pipe Burst**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
- % FREE LIQUID
- % SETTLED SOLID
- % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

[x] 1 2 3

% BY VOLUME (Approx.)

TOP ***100.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)
- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR
- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- [x] 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- [x] 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
ARSENIC	7.0000000	--	7.0000000	PPB
BARIUM	28.0000000	--	28.0000000	PPB
CHLORIDE	8.0000000	--	9.0000000	PPM
CHROMIUM	57.0000000	--	57.0000000	PPB
COPPER	26.0000000	--	26.0000000	PPB
GROUND WATER	100.0000000	--	100.0000000	%
LEAD	11.0000000	--	11.0000000	PPB
NICKEL	31.0000000	--	31.0000000	PPB
SULFATE	15.0000000	--	16.0000000	PPM
ZINC	120.0000000	--	120.0000000	PPB

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G32*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W119***

E. CONSTITUENTS

Are these values based on testing or knowledge? Knowledge ☑ Testing

If constituent concentrations are based on analytical testing, analysis must be provided. Please attach document(s) using the link on the Submit tab.

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0		*7.0000000*	*PPB*	
D005	BARIUM	100.0		*28.0000000*	*PPB*	
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0		*57.0000000*	*PPB*	
D008	LEAD	5.0		*11.0000000*	*PPB*	
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE	*9.0000*	*PPM*	
FLUORINE			☑
IODINE			☑
SULFUR	*15.0000*	*PPM*	
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

- NONE
- ☑ < 1000 PPM
- >= 1000 PPM

PCBs

- ☑ NONE
- < 50 PPM
- >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES	EXPLOSIVE	FUMING	OSHA REGULATED CARCINOGENS
POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON DOT REGULATED MATERIAL, (PURGED GROUND WATER)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

1-4 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***4***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE

Addendum

D. COMPOSITION

Reactive Metals Certification

Waste material will be shipped under a visible layer of mineral oil.	YES ☑	NO
Metal containers will be used for shipment.	YES ☑	NO

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2713788

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***3 Kings - City of Anacortes***

GENERATOR CODE (Assigned by Clean Harbors) ***3K0013*** CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***

ADDRESS ***14489 River Bend Road*** PHONE: **(360) 921-8702**

CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012*** CUSTOMER NAME: ***3 Kings***

ADDRESS ***6319 112th Street East*** CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Dry Lime***

PROCESS GENERATING WASTE: **Unused**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE

- SOLID WITHOUT FREE LIQUID
- [x] POWDER
- MONOLITHIC SOLID
- LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE
- % FREE LIQUID
- % SETTLED SOLID
- % TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3 % BY VOLUME (Approx.)

TOP ***0.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)

- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR

- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)

- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)

- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON

- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)

- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH

- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY

- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH

- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)

- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
CALCIUM HYDROXIDE	80.0000000	--	100.0000000	%
SILICA	1.0000000	--	20.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [ ] NO [x]

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [ ] NO [x]

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [ ] NO [x]

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G11*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W319***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Generator Knowledge

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

☑ YES NO DO ANY STATE WASTE CODES APPLY?

WSC2

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***This is subject to LDR.***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON-DOT, NON-RCRA REGULATED SOLIDS, (CALCIUM HYDROXIDE)

UN3262, CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (CALCIUM HYDROXIDE), 8, PG III

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

1-20 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***20***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2713791

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***3 Kings - City of Anacortes***

GENERATOR CODE (Assigned by Clean Harbors) ***3K0013*** CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***

ADDRESS ***14489 River Bend Road*** PHONE: **(360) 921-8702**

CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012*** CUSTOMER NAME: ***3 Kings***

ADDRESS ***6319 112th Street East*** CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Aluminum Sulfate Residual and Pipes***

PROCESS GENERATING WASTE: **Spill clean up after pipes burst**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE

- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE

% FREE LIQUID ***50.00 - 100.00***
% SETTLED SOLID ***0.00 - 50.00***
% TOTAL SUSPENDED SOLID

- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

[x] 1 2 3

% BY VOLUME (Approx.)

TOP ***0.00***
MIDDLE ***0.00***
BOTTOM ***0.00***

VISCOSITY (If liquid present)

- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR

- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)

- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)

- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON

- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)

- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH

- [x] <= 2
- 2.1 - 6.9
- 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY

- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH

- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)

- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
ALUMINUM SULFATE	40.0000000	--	45.0000000	%
CHROMIUM	6.0000000	--	10.0000000	PPM
PVC PIPES	1.0000000	--	10.0000000	%
WATER	40.0000000	--	45.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? [x] YES NO

If yes, describe, including dimensions: ***PVC Piping Pieces 2" Diameter 24" length***

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G15*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W002***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Generator Knowledge

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

☑ YES ☐ NO USEPA HAZARDOUS WASTE?

D002 D007

☑ YES ☐ NO DO ANY STATE WASTE CODES APPLY?

WT02

Texas Waste Code

☐ YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

☑ YES ☐ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***This is subject to LDR.***
VARIANCE INFO:

☐ YES ☑ NO IS THIS A UNIVERSAL WASTE?

☐ YES ☐ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

☐ YES ☐ NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

☐ YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

☑ YES ☐ NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

☐ YES ☐ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

☐ YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

☐ YES ☐ NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

☐ YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

☐ YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

☐ YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

☐ YES ☑ NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN2922, WASTE CORROSIVE LIQUIDS, TOXIC, N.O.S., (ALUMINUM SULFATE, CHROMIUM), 8, (6.1), PG II

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

1-1 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***1***
CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE
CUBIC YARD BOX ☑ DRUM
OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2714138

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***3 Kings - City of Anacortes***

GENERATOR CODE (Assigned by Clean Harbors) ***3K0013*** CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***

ADDRESS ***14489 River Bend Road*** PHONE: **(360) 921-8702**

CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012*** CUSTOMER NAME: ***3 Kings***

ADDRESS ***6319 112th Street East*** CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Liquid Chlorine for Water Treatment Systems w/ PCV Piping***

PROCESS GENERATING WASTE: **Unused product with piping added to the drums after demoing building.**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE

- SOLID WITHOUT FREE LIQUID
- POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE

% FREE LIQUID ***50.00 - 100.00***

% SETTLED SOLID

% TOTAL SUSPENDED SOLID ***1.00 - 50.00***

- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

[x] 1 2 3

% BY VOLUME (Approx.)

TOP ***0.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)

- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

Varies

ODOR

- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT °F (°C)

- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT °F (°C)

- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON

- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)

- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH

- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- 7.1 - 12.4
- [x] >= 12.5

SPECIFIC GRAVITY

- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH

- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)

- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
PIPING	1.0000000	--	50.0000000	%
SODIUM HYDROXIDE	0.5000000	--	2.5000000	%
SODIUM HYPOCHLORITE	2.0000000	--	15.0000000	%
WATER	70.0000000	--	80.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? [x] YES NO

If yes, describe, including dimensions: ***PVC Piping Pieces 2" Diameter 24" length***

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G13*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W002***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

Generator Knowledge

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
☐ < 1000 PPM
☐ >= 1000 PPM

PCBs

☑ NONE
☐ < 50 PPM
☐ >=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

☑ YES ☐ NO USEPA HAZARDOUS WASTE?

D002

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

☑ YES ☐ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***This is subject to LDR.***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☐ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES ☐ NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES ☐ NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES ☐ NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES ☑ NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN3266, WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE, SODIUM HYPOCHLORITE), 8, PG II

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

1-1 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***1***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER:

DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2720616

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG*** GENERATOR NAME: ***3 Kings - City of Anacortes***

GENERATOR CODE (Assigned by Clean Harbors) ***3K0013*** CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***

ADDRESS ***14489 River Bend Road*** PHONE: **(360) 921-8702**

CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012*** CUSTOMER NAME: ***3 Kings***

ADDRESS ***6319 112th Street East*** CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***FILTER AID***

PROCESS GENERATING WASTE: **USED TO FILTER PRODUCT FROM MANUFACTURING**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE

- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
- [ ] % FREE LIQUID
- [ ] % SETTLED SOLID
- [ ] % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3 % BY VOLUME (Approx.)

TOP ***0.00***

MIDDLE ***0.00***

BOTTOM ***0.00***

VISCOSITY (If liquid present)

- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR

BEIGE

ODOR

- [x] NONE
- [ ] MILD
- [ ] STRONG

Describe:

BOILING POINT ºF (ºC)

- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT ºF (ºC)

- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON

- [x] <= 1%
- [ ] 1-9%
- [ ] >= 10%

FLASH POINT ºF (ºC)

- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH

- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY

- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH

- [x] < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- Unknown

BTU/LB (MJ/kg)

- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
QUARTZ	0.0000000	--	4.0000000	%
SILICA	100.0000000	--	100.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [ ] NO [x]

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [ ] NO [x]

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [ ] NO [x]

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G07*** SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W409***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

CUSTOMER KNOWLEDGE OF MANUFACTURING PROCESS AND PROCESSS GENERATING WASTE

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON-RCRA HAZARDOUS WASTE, SOLIDS, (SILICA GEL, QUARTZ)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY ☑ YEARLY OTHER

☑ **CONTAINERIZED**

5-10 CONTAINERS/SHIPMENT

STORAGE CAPACITY:
CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE
CUBIC YARD BOX ☑ DRUM
OTHER:
DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:
CCRK

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2720636

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG***
GENERATOR NAME: ***3 Kings - City of Anacortes***
GENERATOR CODE (Assigned by Clean Harbors) ***3K0013***
CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***
ADDRESS ***14489 River Bend Road***
PHONE: **(360) 921-8702**
CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012***
CUSTOMER NAME: ***3 Kings***
ADDRESS ***6319 112th Street East***
CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Oily PPE/ Debris***

PROCESS GENERATING WASTE: **Remediation of spills, leaks and also general cleaning**

IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- SOLID WITHOUT FREE LIQUID POWDER
- MONOLITHIC SOLID
- [x] LIQUID WITH NO SOLIDS
- LIQUID/SOLID MIXTURE

% FREE LIQUID ***0.00 - 50.00***
% SETTLED SOLID ***50.00 - 100.00***
% TOTAL SUSPENDED SOLID
- SLUDGE
- GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 [x] 2 3

% BY VOLUME (Approx.)
TOP ***50.00***
MIDDLE ***0.00***
BOTTOM ***50.00***

VISCOSITY (If liquid present)
- [x] 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR
varies

ODOR
- NONE
- [x] MILD
- STRONG

Describe:

BOILING POINT ºF (ºC)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- [x] >= 130 (>54)

MELTING POINT ºF (ºC)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- <= 1%
- 1-9%
- [x] >= 10%

FLASH POINT ºF (ºC)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- [x] > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- [x] 7 (Neutral)
- 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- [x] > 20
- Unknown

BTU/LB (MJ/kg)
- < 2,000 (<4.6)
- [x] 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
CLAY ABSORBENT	0.0000000	--	75.0000000	%
DIESEL FUEL	0.0000000	--	25.0000000	%
DIRT	0.0000000	--	75.0000000	%
GRAVEL	0.0000000	--	75.0000000	%
PETROLEUM OIL	0.0000000	--	30.0000000	%
POLYPROPYLENE ABSORBENT	0.0000000	--	75.0000000	%
RAGS	0.0000000	--	75.0000000	%
SAND	0.0000000	--	75.0000000	%
SAWDUST	0.0000000	--	75.0000000	%
SOIL	0.0000000	--	75.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [x] NO

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [x] NO

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [x] NO

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G32***

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W603***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

generator knowledge of ER cleanup

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION?

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

☑ YES NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES ☑ NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON D.O.T. REGULATED, (OIL, DIRT, SAND, ABSORBENTS AND OR DIESEL FUEL)

NON-RCRA HAZARDOUS WASTE, LIQUIDS, (OIL, DIRT, SAND, ABSORBENTS AND OR DIESEL FUEL)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY ☑ MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

1-5 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***5***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

CUBIC YARD BOX ☑ DRUM

OTHER: DRUM SIZE: ***55***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

CHEMICAL	MIN	--	MAX	UOM
WATER	0.000000	--	25.0000000	%

F. REGULATORY STATUS

I have determined the halogen content of my used oil is less than 1,000 ppm based on review of the product SDS, labels, manufacturer's specifications or based on an assessment of whether the equipment or process generating the used oil introduces any halogenated substances into the used oil. ☑ YES ☐ NO

I have determined that the total halogen content of my used oil is less than 1,000 ppm based upon screening /testing ☐ YES ☑ NO

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON-RCRA HAZARDOUS WASTE, SOLIDS, (OIL, DIRT, SAND, ABSORBENTS AND OR DIESEL FUEL)

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH2720642

A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # ***CESQG***
GENERATOR NAME: ***3 Kings - City of Anacortes***
GENERATOR CODE (Assigned by Clean Harbors) ***3K0013***
CITY ***Mount Vernon*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98273***
ADDRESS ***14489 River Bend Road***
PHONE: **(360) 921-8702**
CUSTOMER CODE (Assigned by Clean Harbors) ***3K0012***
CUSTOMER NAME: ***3 Kings***
ADDRESS ***6319 112th Street East***
CITY ***Puyallup*** STATE/PROVINCE ***WA*** ZIP/POSTAL CODE ***98373***

B. WASTE DESCRIPTION

WASTE DESCRIPTION: ***Soda Ash***
PROCESS GENERATING WASTE: **Unused product**
IS THIS WASTE CONTAINED IN SMALL PACKAGING CONTAINED WITHIN A LARGER SHIPPING CONTAINER ? **No**

C. PHYSICAL PROPERTIES (at 25C or 77F)

PHYSICAL STATE
- [x] SOLID WITHOUT FREE LIQUID
- [ ] POWDER
- [ ] MONOLITHIC SOLID
- [ ] LIQUID WITH NO SOLIDS
- [ ] LIQUID/SOLID MIXTURE
- [ ] % FREE LIQUID
- [ ] % SETTLED SOLID
- [ ] % TOTAL SUSPENDED SOLID
- [ ] SLUDGE
- [ ] GAS/AEROSOL

NUMBER OF PHASES/LAYERS

1 2 3 % BY VOLUME (Approx.)

TOP ***0.00***
MIDDLE ***0.00***
BOTTOM ***0.00***

VISCOSITY (If liquid present)
- 1 - 100 (e.g. Water)
- 101 - 500 (e.g. Motor Oil)
- 501 - 10,000 (e.g. Molasses)
- > 10,000

COLOR
Varies

ODOR
- [x] NONE
- [ ] MILD
- [ ] STRONG

Describe:

BOILING POINT °F (°C)
- <= 95 (<=35)
- 95 - 100 (35-38)
- 101 - 129 (38-54)
- >= 130 (>54)

MELTING POINT °F (°C)
- < 140 (<60)
- 140-200 (60-93)
- [x] > 200 (>93)

TOTAL ORGANIC CARBON
- [x] <= 1%
- 1-9%
- >= 10%

FLASH POINT °F (°C)
- < 73 (<23)
- 73 - 100 (23-38)
- 101 -140 (38-60)
- 141 -200 (60-93)
- > 200 (>93)

pH
- <= 2
- 2.1 - 6.9
- 7 (Neutral)
- [x] 7.1 - 12.4
- >= 12.5

SPECIFIC GRAVITY
- < 0.8 (e.g. Gasoline)
- 0.8-1.0 (e.g. Ethanol)
- 1.0 (e.g. Water)
- 1.0-1.2 (e.g. Antifreeze)
- [x] > 1.2 (e.g. Methylene Chloride)

ASH
- < 0.1
- 0.1 - 1.0
- 1.1 - 5.0
- 5.1 - 20.0
- > 20
- [x] Unknown

BTU/LB (MJ/kg)
- [x] < 2,000 (<4.6)
- 2,000-5,000 (4.6-11.6)
- 5,000-10,000 (11.6-23.2)
- > 10,000 (>23.2)

Actual:

D. COMPOSITION (List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

CHEMICAL	MIN	--	MAX	UOM
SODIUM CARBONATE	100.0000000	--	100.0000000	%

DOES THIS WASTE CONTAIN ANY HEAVY GAUGE METAL DEBRIS OR OTHER LARGE OBJECTS (EX., METAL PLATE OR PIPING >1/4" THICK OR >12" LONG, METAL REINFORCED HOSE >12" LONG, METAL WIRE >12" LONG, METAL VALVES, PIPE FITTINGS, CONCRETE REINFORCING BAR OR PIECES OF CONCRETE >3")? YES [ ] NO [x]

If yes, describe, including dimensions:

DOES THIS WASTE CONTAIN ANY METALS IN POWDERED OR OTHER FINELY DIVIDED FORM? YES [ ] NO [x]

DOES THIS WASTE CONTAIN OR HAS IT CONTACTED ANY OF THE FOLLOWING; ANIMAL WASTES, HUMAN BLOOD, BLOOD PRODUCTS, BODY FLUIDS, MICROBIOLOGICAL WASTE, PATHOLOGICAL WASTE, HUMAN OR ANIMAL DERIVED SERUMS OR PROTEINS OR ANY OTHER POTENTIALLY INFECTIOUS MATERIAL? YES [ ] NO [x]

I acknowledge that this waste material is neither infectious nor does it contain any organism known to be a threat to human health. This certification is based on my knowledge of the material. Select the answer below that applies:

The waste was never exposed to potentially infectious material. YES NO

Chemical disinfection or some other form of sterilization has been applied to the waste. YES NO

I ACKNOWLEDGE THAT THIS PROFILE MEETS THE CLEAN HARBORS BATTERY PACKAGING REQUIREMENTS. YES NO

I ACKNOWLEDGE THAT MY FRIABLE ASBESTOS WASTE IS DOUBLE BAGGED AND WETTED. YES NO

SPECIFY THE SOURCE CODE ASSOCIATED WITH THE WASTE. ***G11***

SPECIFY THE FORM CODE ASSOCIATED WITH THE WASTE. ***W319***

E. CONSTITUENTS

Are these values based on testing or knowledge? ☑ Knowledge ☐ Testing

If based on knowledge, please describe in detail, the rationale applied to identify and characterize the waste material. Please include reference to Material Safety Data Sheets (MSDS) when applicable. Include the chemical or trade-name represented by the MSDS, and or detailed process or operating procedures which generate the waste.

know constituent-label knowledge

Please indicate which constituents below apply. Concentrations must be entered when applicable to assist in accurate review and expedited approval of your waste profile. Please note that the total regulated metals and other constituents sections require answers.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL	UOM	NOT APPLICABLE
D004	ARSENIC	5.0				☑
D005	BARIUM	100.0				☑
D006	CADMIUM	1.0				☑
D007	CHROMIUM	5.0				☑
D008	LEAD	5.0				☑
D009	MERCURY	0.2				☑
D010	SELENIUM	1.0				☑
D011	SILVER	5.0				☑
	VOLATILE COMPOUNDS					
D018	BENZENE	0.5				
D019	CARBON TETRACHLORIDE	0.5				
D021	CHLOROBENZENE	100.0				
D022	CHLOROFORM	6.0				
D028	1,2-DICHLOROETHANE	0.5				
D029	1,1-DICHLOROETHYLENE	0.7				
D035	METHYL ETHYL KETONE	200.0				
D039	TETRACHLOROETHYLENE	0.7				
D040	TRICHLOROETHYLENE	0.5				
D043	VINYL CHLORIDE	0.2				
	SEMI-VOLATILE COMPOUNDS					
D023	o-CRESOL	200.0				
D024	m-CRESOL	200.0				
D025	p-CRESOL	200.0				
D026	CRESOL (TOTAL)	200.0				
D027	1,4-DICHLOROBENZENE	7.5				
D030	2,4-DINITROTOLUENE	0.13				
D032	HEXACHLOROBENZENE	0.13				
D033	HEXACHLOROBUTADIENE	0.5				
D034	HEXACHLOROETHANE	3.0				
D036	NITROBENZENE	2.0				
D037	PENTACHLOROPHENOL	100.0				
D038	PYRIDINE	5.0				
D041	2,4,5-TRICHLOROPHENOL	400.0				
D042	2,4,6-TRICHLOROPHENOL	2.0				
	PESTICIDES AND HERBICIDES					
D012	ENDRIN	0.02				
D013	LINDANE	0.4				
D014	METHOXYCHLOR	10.0				
D015	TOXAPHENE	0.5				
D016	2,4-D	10.0				
D017	2,4,5-TP (SILVEX)	1.0				
D020	CHLORDANE	0.03				
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008				

OTHER CONSTITUENTS	MAX	UOM	NOT APPLICABLE
BROMINE			☑
CHLORINE			☑
FLUORINE			☑
IODINE			☑
SULFUR			☑
POTASSIUM			☑
SODIUM			☑
AMMONIA			☑
CYANIDE AMENABLE			☑
CYANIDE REACTIVE			☑
CYANIDE TOTAL			☑
SULFIDE REACTIVE			☑

HOCs

☑ NONE
< 1000 PPM
>= 1000 PPM

PCBs

☑ NONE
< 50 PPM
>=50 PPM

IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☑ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES ☑ NO (If yes, explain)

CHOOSE ALL THAT APPLY

DEA REGULATED SUBSTANCES EXPLOSIVE FUMING OSHA REGULATED CARCINOGENS

POLYMERIZABLE	RADIOACTIVE	REACTIVE MATERIAL	☑ NONE OF THE ABOVE

F. REGULATORY STATUS

YES ☑ NO USEPA HAZARDOUS WASTE?

YES ☑ NO DO ANY STATE WASTE CODES APPLY?

Texas Waste Code

YES ☑ NO DO ANY CANADIAN PROVINCIAL WASTE CODES APPLY?

YES ☑ NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?

LDR CATEGORY: ***Not subject to LDR***
VARIANCE INFO:

YES ☑ NO IS THIS A UNIVERSAL WASTE?

YES ☑ NO IS THE GENERATOR OF THE WASTE CLASSIFIED AS A VERY SMALL QUANTITY GENERATOR (VSQG) OR A STATE EQUIVALENT DESIGNATION

YES NO IS THIS MATERIAL GOING TO BE MANAGED AS A RCRA EXEMPT COMMERCIAL PRODUCT, WHICH IS FUEL (40 CFR 261.2 (C)(2)(II))?

YES ☑ NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES NO IS THIS WASTE STREAM PROHIBITED FROM INCINERATION BASED ON THE INORGANIC METAL BEARING WASTE PROHIBITION FOUND AT 40 CFR 268.3(C)?

YES ☑ NO IS THIS WASTE STREAM "USED OIL" WHICH IS TO BE MANAGED UNDER 40 CFR PART 279 - STANDARDS FOR THE MANAGEMENT OF USED OIL?

YES ☑ NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES ☑ NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE > 76.6 KPA (11.1 PSIA)?

YES ☑ NO IS THIS CERCLA REGULATED (SUPERFUND) WASTE ?

YES ☑ NO IS THE WASTE SUBJECT TO ONE OF THE FOLLOWING NESHAP RULES?

Hazardous Organic NESHAP (HON) rule (subpart G) Pharmaceuticals production (subpart GGG)

YES NO IF THIS IS A US EPA HAZARDOUS WASTE, DOES THIS WASTE STREAM CONTAIN BENZENE?

YES NO Does the waste stream come from a facility with one of the SIC codes listed under benzene NESHAP or is this waste regulated under the benzene NESHAP rules because the original source of the waste is from a chemical manufacturing, coke by-product recovery, or petroleum refinery process?

YES NO Is the generating source of this waste stream a facility with Total Annual Benzene (TAB) >10 Mg/year?

What is the TAB quantity for your facility? Megagram/year (1 Mg = 2,200 lbs)

The basis for this determination is: Knowledge of the Waste Or Test Data Knowledge Testing

Describe the knowledge :

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NON-REGULATED SOLID, (SODIUM CARBONATE)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ☑ ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER

☑ **CONTAINERIZED**

1-2 CONTAINERS/SHIPMENT

STORAGE CAPACITY: ***2***

CONTAINER TYPE:

PORTABLE TOTE TANK BOX|CARTON|CASE

☑ CUBIC YARD BOX DRUM

OTHER: DRUM SIZE: ***220***

BULK LIQUID

GALLONS/SHIPMENT: ***0 Min -0 Max*** GAL.

BULK SOLID

SHIPMENT UOM: TON YARD

TONS/YARDS/SHIPMENT: ***0 Min - 0 Max***

I. SPECIAL REQUEST

COMMENTS OR REQUESTS:

CNO

GENERATOR'S CERTIFICATION

I certify that I am authorized to execute this document as an authorized agent. I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge.I also certify that any samples submitted are representative of the actual waste.If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE

Addendum

D. COMPOSITION

F. REGULATORY STATUS

Please **Click Here** to electronically sign and submit this profile. This link will expire in 60 days.

EZ Profile™

Requested Facility: CWM Arlington ☐ Unsure Profile Number: OR355404

☐ Multiple Generator Locations (Attach Locations) ☑ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: City of Anacortes
2. Generator Site Address: 14489 River Bend Rd.
   (City, State, ZIP) Mt Vernon WA 98273
3. County: Skagit
4. Contact Name: Brian McDaniel
5. Email: brianm@cityofanacortes.org
6. Phone: (360) 299-1971 7. Fax: _____
8. Generator EPA ID: _____ ☑ N/A
9. State ID: _____ ☑ N/A

B. BILLING INFORMATION ☐ SAME AS GENERATOR

1. Billing Name: 3 Kings Environmental, Inc.
2. Billing Address: P.O. Box 280
   (City, State, ZIP) Battle Ground WA 98604
3. Contact Name: Jason Hawks
4. Email: jhawks@3kingsinc.com
5. Phone: (360) 949-5822 6. Fax: _____
7. P.O. Number: _____
8. Payment Method: ☑ Credit Account ☐ Cash ☐ Credit Card at Gate

C. MATERIAL INFORMATION

1. Common Name: PCB painted concrete

   Describe Process(es) Generating Material: ☐ See Attached

   demolition of old WWTP site.

2. Material Composition and Contaminants: ☐ See Attached

1. Concrete	100 %
2. PCB	1-38000 ppm
3. dirt and debris	1-9 %
4.	
Total comp. must be equal to or greater than 100%	≥100%

3. State Waste Codes: _____ ☑ N/A
4. Color: varies
5. Physical State at 70˚F: ☑ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☑ N/A
7. pH: _____ to _____ ☑ N/A
8. Strong Odor: ☐ Yes ☑ No Describe: _____
9. Flash Point: ☐ <140˚F ☐ 140˚–199˚F ☐ ≥200˚ ☑ N/A

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☑ No
   Code:
2. State Hazardous Waste? ☑ Yes ☐ No
   Code: X002
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☑ No
4. Contains Underlying Hazardous Constituents? ☐ Yes* ☑ No
5. Does the material contain benzene? ☐ Yes* ☑ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☑ No
7. CERCLA or State-mandated clean-up? ☐ Yes* ☑ No
8. NRC, State-regulated, NORM or TENORM waste? ☐ Yes* ☑ No

***If Yes, see Addendum (page 2) for additional questions and space.**

9. Contains PCBs? → If Yes, answer a, b and c. ☑ Yes ☐ No
   a. Regulated by 40 CFR 761? ☑ Yes ☐ No
   b. Remediation under 40 CFR 761.61? ☐ Yes ☑ No
   c. Were PCBs imported into the US? ☐ Yes ☑ No
10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☑ No
11. Contains Asbestos? ☐ Yes ☑ No
    → If Yes: ☐ Non-Friable ☐ Non-Friable - Regulated ☐ Friable
12. Contains Dioxins? (If Yes, please attach analysis) ☐ Yes ☑ No

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☑ Yes

   Please identify Lab Report(s) and list specific representative Sample ID#s:

   please see applicable sample points that correspond to reports attached.

2. Other information attached (such as SDS)? ☑ Yes

F. SHIPPING AND DOT INFORMATION

1. ☑ One-Time Event ☐ Repeat Event/Ongoing Business
2. Estimated Annual Quantity/Unit of Measure: 4500
   ☑ Tons ☐ Yards ☐ Drums ☐ Gallons ☐ Other _____
3. Container Type and Size: 20 or 48 ft container
4. USDOT Proper Shipping Name ☐ N/A
   RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID MIXTURE, 9, PG III
5. Estimated Start Date 06/17/2023
6. Transportation Needed? ☑ Yes* ☐ No

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management ("WM") Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to WM prior to providing the material to WM. I am aware that there are significant penalties for knowingly submitting false information.

☑ I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

☐ I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

Name (Print): Jason Hawks
Title: Project Manager
Company: 3 kings environmental
Date: 08/04/2023

Certification Signature

Jason Hawks

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QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

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EZ Profile™ Addendum

Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: OR355404

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste
   a. Please list all USEPA listed and characteristic waste code numbers:
   b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)? ❑ Yes ❑ No
   c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4. ❑ Yes ❑ No
   d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)? ❑ Yes ❑ No
      → If Yes, please check one of the following:
      ❑ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))
      ❑ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.
   e. Form Code: f. Source Code:
2. State Hazardous Waste → Please list all state waste codes:
3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:
   ❑ Delisted Hazardous Waste ❑ Excluded Waste under 40 CFR 261.4 → Specify Exclusion:
   ❑ Treated Hazardous Waste Debris ❑ Treated Characteristic Hazardous Waste → If checked, complete question 4.
4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:
5. a. Are you an industry regulated under Benzene NESHAP? (Petroleum refineries, chemical manufacturing plants, coke by-product, and TSDFs.) ❑ Yes ❑ No
   b. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue. ❑ Yes ❑ No
   c. What is the flow weighted average benzene concentration? _____ ppmw
   d. What is your facility's current total annual benzene quantity in Megagrams? ❑ <1 Mg ❑ 1–9.99 Mg ❑ ≥10 Mg
   e. Is this waste soil from a remediation? ❑ Yes ❑No
      1. If yes, what is the benzene concentration in remediation waste? _____ ppmw
   f. Does the waste contain >10% water/moisture? ❑ Yes ❑No
   g. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw? ❑ Yes ❑No
   h. Is material exempt from controls in accordance with 40 CFR 61.342? ❑ Yes ❑No
      → If yes, specify exemption:
   i. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF? ❑ Yes ❑No
6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination? ❑ Yes ❑No
7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.
8. NRC, State-regulated radioactive, NORM or TENORM? →
   a. Please select all that apply:
   ❑ Nuclear Regulatory Commission (NRC) Radioactive ❑ Technologically Enhanced Naturally Occurring Radioactive Material (TENORM)
   ❑ State-Regulated Radioactive ❑ Naturally Occurring Radioactive Material
   b. Testing, per individual waste stream, for applicable isotopes and/or other supporting information attached? ❑ Yes ❑ No

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Additional Profile Information

Profile Number: OR355404

F. SHIPPING AND DOT INFORMATION

4. USDOT Proper Shipping & Technical Name (Continued from page 1):

2.	❑ N/A
3.	❑ N/A
4.	❑ N/A
5.	❑ N/A
6.	❑ N/A
7.	❑ N/A
8.	❑ N/A
9.	❑ N/A
10.	❑ N/A
11.	❑ N/A
12.	❑ N/A
13.	❑ N/A
14.	❑ N/A
15.	❑ N/A
16.	❑ N/A
17.	❑ N/A
18.	❑ N/A
19.	❑ N/A
20.	❑ N/A
21.	❑ N/A
22.	❑ N/A
23.	❑ N/A
24.	❑ N/A
25.	❑ N/A
26.	❑ N/A
27.	❑ N/A
28.	❑ N/A
29.	❑ N/A
30.	❑ N/A
31.	❑ N/A
32.	❑ N/A
33.	❑ N/A
34.	❑ N/A
35.	❑ N/A
36.	❑ N/A
37.	❑ N/A
38.	❑ N/A
39.	❑ N/A
40.	❑ N/A

7. Transportation Requested: ☑ WM Hauled ❑ Third Party

8. Contact Name: Jason Hawks

9. Email: jhawks@3kingsinc.com

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EZ Profile™

Requested Facility: CWM Arlington ☐ Unsure Profile Number: OR356678

☐ Multiple Generator Locations (Attach Locations) ☑ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: City of Anacortes
2. Generator Site Address: 14489 River Bend Rd
   (City, State, ZIP) Mt Vernon WA 98273
3. County: Skagit
4. Contact Name: Brian McDaniels
5. Email: brianm@cityofanacortes.org
6. Phone: (360) 949-5822 7. Fax: _____
8. Generator EPA ID: _____ ☑ N/A
9. State ID: _____ ☑ N/A

B. BILLING INFORMATION ☐ SAME AS GENERATOR

1. Billing Name: 3 Kings Environmental
2. Billing Address: PO BOX 280
   (City, State, ZIP) Battle Ground WA 98604
3. Contact Name: Jason Hawks
4. Email: jhawks@3kingsinc.com
5. Phone: (360) 949-5822 6. Fax: _____
7. P.O. Number: _____
8. Payment Method: ☑ Credit Account ☐ Cash ☐ Credit Card at Gate

C. MATERIAL INFORMATION

1. Common Name: PCB Painted Asbestos Panels

   Describe Process(es) Generating Material: ☐ See Attached

   Hand removal of the materials prior to demolition of the building.

2. Material Composition and Contaminants: ☐ See Attached

1. Asbestos	100 %
2. PCB Paint	1 - 40000 ppm
3. PPE	1 - 5 %
4. Steel Barrels	1-10 %
Total comp. must be equal to or greater than 100%	≥100%

3. State Waste Codes: _____ ☑ N/A
4. Color: Varies
5. Physical State at 70˚F: ☑ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☑ N/A
7. pH: _____ to _____ ☑ N/A
8. Strong Odor: ☐ Yes ☑ No Describe: _____
9. Flash Point: ☐ <140˚F ☐ 140˚–199˚F ☐ ≥200˚ ☑ N/A

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☑ No
   Code:
2. State Hazardous Waste? ☑ Yes ☐ No
   Code: X002
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☑ No
4. Contains Underlying Hazardous Constituents? ☐ Yes* ☑ No
5. Does the material contain benzene? ☐ Yes* ☑ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☑ No
7. CERCLA or State-mandated clean-up? ☐ Yes* ☑ No
8. NRC, State-regulated, NORM or TENORM waste? ☐ Yes* ☑ No

***If Yes, see Addendum (page 2) for additional questions and space.**

9. Contains PCBs? → If Yes, answer a, b and c. ☑ Yes ☐ No
   a. Regulated by 40 CFR 761? ☑ Yes ☐ No
   b. Remediation under 40 CFR 761.61? ☐ Yes ☑ No
   c. Were PCBs imported into the US? ☐ Yes ☑ No
10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☑ No
11. Contains Asbestos? ☑ Yes ☐ No
    → If Yes: ☐ Non-Friable ☐ Non-Friable - Regulated ☑ Friable
12. Contains Dioxins? (If Yes, please attach analysis) ☐ Yes ☑ No

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☑ Yes

   Please identify Lab Report(s) and list specific representative Sample ID#s:

   Asbestos Survey - Only need disposal for WTP-1-CAB1-1 (Cement Asbestos Panels) See pages 23 & 36. PCB Results vary for the building, see page 77 for results for the Admin building

2. Other information attached (such as SDS)? ☑ Yes

F. SHIPPING AND DOT INFORMATION

1. ☑ One-Time Event ☐ Repeat Event/Ongoing Business
2. Estimated Annual Quantity/Unit of Measure: 8
   ☐ Tons ☐ Yards ☑ Drums ☐ Gallons ☐ Other _____
3. Container Type and Size: 55 Gallons
4. USDOT Proper Shipping Name ☐ N/A
   RQ, UN3432, Polychlorinated Biphenyls & Asbestos
5. Estimated Start Date 09/19/2023
6. Transportation Needed? ☑ Yes* ☐ No

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management ("WM") Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to WM prior to providing the material to WM. I am aware that there are significant penalties for knowingly submitting false information.

☑ I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

☐ I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

Name (Print): Jason Hawks
Title: Project Manager
Company: 3 kings environmental
Date: 09/22/2023

Certification Signature

Jason Hawks

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QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

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EZ Profile™ Addendum

Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: OR356678

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1): If more space is needed, please attach additional pages.

Material Composition and Contaminants (Continued from page 1): If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste
   a. Please list all USEPA listed and characteristic waste code numbers:
   b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)? ❑ Yes ❑ No
   c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4. ❑ Yes ❑ No
   d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)? ❑ Yes ❑ No
      → If Yes, please check one of the following:
      ❑ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))
      ❑ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.
   e. Form Code: f. Source Code:
2. State Hazardous Waste → Please list all state waste codes:
3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:
   ❑ Delisted Hazardous Waste ❑ Excluded Waste under 40 CFR 261.4 → Specify Exclusion:
   ❑ Treated Hazardous Waste Debris ❑ Treated Characteristic Hazardous Waste → If checked, complete question 4.
4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:
5. a. Are you an industry regulated under Benzene NESHAP? (Petroleum refineries, chemical manufacturing plants, coke by-product, and TSDFs.) ❑ Yes ❑ No
   b. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue. ❑ Yes ❑ No
   c. What is the flow weighted average benzene concentration? _____ ppmw
   d. What is your facility's current total annual benzene quantity in Megagrams? ❑ <1 Mg ❑ 1–9.99 Mg ❑ ≥10 Mg
   e. Is this waste soil from a remediation? ❑ Yes ❑No
      1. If yes, what is the benzene concentration in remediation waste? _____ ppmw
   f. Does the waste contain >10% water/moisture? ❑ Yes ❑No
   g. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw? ❑ Yes ❑No
   h. Is material exempt from controls in accordance with 40 CFR 61.342? ❑ Yes ❑No
      → If yes, specify exemption:
   i. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF? ❑ Yes ❑No
6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination? ❑ Yes ❑No
7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.
8. NRC, State-regulated radioactive, NORM or TENORM? →
   a. Please select all that apply:
   ❑ Nuclear Regulatory Commission (NRC) Radioactive ❑ Technologically Enhanced Naturally Occurring Radioactive Material (TENORM)
   ❑ State-Regulated Radioactive ❑ Naturally Occurring Radioactive Material
   b. Testing, per individual waste stream, for applicable isotopes and/or other supporting information attached? ❑ Yes ❑ No

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Additional Profile Information

Profile Number: OR356678

F. SHIPPING AND DOT INFORMATION

4. USDOT Proper Shipping & Technical Name (Continued from page 1):

2.	❑ N/A
3.	❑ N/A
4.	❑ N/A
5.	❑ N/A
6.	❑ N/A
7.	❑ N/A
8.	❑ N/A
9.	❑ N/A
10.	❑ N/A
11.	❑ N/A
12.	❑ N/A
13.	❑ N/A
14.	❑ N/A
15.	❑ N/A
16.	❑ N/A
17.	❑ N/A
18.	❑ N/A
19.	❑ N/A
20.	❑ N/A
21.	❑ N/A
22.	❑ N/A
23.	❑ N/A
24.	❑ N/A
25.	❑ N/A
26.	❑ N/A
27.	❑ N/A
28.	❑ N/A
29.	❑ N/A
30.	❑ N/A
31.	❑ N/A
32.	❑ N/A
33.	❑ N/A
34.	❑ N/A
35.	❑ N/A
36.	❑ N/A
37.	❑ N/A
38.	❑ N/A
39.	❑ N/A
40.	❑ N/A

7. Transportation Requested: ☑ WM Hauled ❑ Third Party

8. Contact Name: Jason Hawks

9. Email: jhawks@3kingsinc.com

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EZ Profile™

Requested Facility: Columbia Ridge Landfill,Alaska Street Transfer Station ❑ Unsure Profile Number: 140555OR

❑ Multiple Generator Locations (Attach Locations) ☑ Request Certificate of Disposal ❑ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: City of Anacortes
2. Generator Site Address: 14489 River Bend Rd.
   (City, State, ZIP) Mt Vernon WA 98273
3. County: Skagit
4. Contact Name: Brian McDaniel
5. Email: brianm@cityofanacortes.org
6. Phone: (360) 299-1971 7. Fax: _____
8. Generator EPA ID: _____ ☑ N/A
9. State ID: _____ ☑ N/A

B. BILLING INFORMATION ❑ SAME AS GENERATOR

1. Billing Name: 3 Kings Environmental, Inc.
2. Billing Address: P.O. Box 280
   (City, State, ZIP) Battle Ground WA 98604
3. Contact Name: Jason Hawks
4. Email: jhawks@3kingsinc.com
5. Phone: (360) 949-5822 6. Fax: _____
7. P.O. Number: _____
8. Payment Method: ☑ Credit Account ❑ Cash ❑ Credit Card at Gate

C. MATERIAL INFORMATION

1. Common Name: Low level PCB impacted soils

   Describe Process(es) Generating Material: ❑ See Attached

   remediation of old WWTP

2. Material Composition and Contaminants: ❑ See Attached

1. soils	99-100 %
2. Debris - rocks and concrete	1-10 %
3.	
4.	
Total comp. must be equal to or greater than 100%	≥100%

3. State Waste Codes: _____ ☑ N/A
4. Color: varies
5. Physical State at 70˚F: ☑ Solid ❑ Liquid ❑ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☑ N/A
7. pH: _____ to _____ ☑ N/A
8. Strong Odor: ❑ Yes ☑ No Describe: _____
9. Flash Point: ❑ <140˚F ❑ 140˚–199˚F ❑ ≥200˚ ☑ N/A

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ❑ Yes* ☑ No
   Code:
2. State Hazardous Waste? ❑ Yes ☑ No
   Code:
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ❑ Yes* ☑ No
4. Contains Underlying Hazardous Constituents? ❑ Yes* ☑ No
5. Does the material contain benzene? ❑ Yes* ☑ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ❑ Yes* ☑ No
7. CERCLA or State-mandated clean-up? ❑ Yes* ☑ No
8. NRC, State-regulated, NORM or TENORM waste? ❑ Yes* ☑ No

***If Yes, see Addendum (page 2) for additional questions and space.**

9. Contains PCBs? → If Yes, answer a, b and c. ☑ Yes ❑ No
   a. Regulated by 40 CFR 761? ❑ Yes ☑ No
   b. Remediation under 40 CFR 761.61? ❑ Yes ☑ No
   c. Were PCBs imported into the US? ❑ Yes ☑ No
10. Regulated and/or Untreated Medical/Infectious Waste? ❑ Yes ☑ No
11. Contains Asbestos? ❑ Yes ☑ No
    → If Yes: ❑ Non-Friable ❑ Non-Friable - Regulated ❑ Friable
12. Contains Dioxins? (If Yes, please attach analysis) ❑ Yes ☑ No

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☑ Yes

   Please identify Lab Report(s) and list specific representative Sample ID#s:

   All apply - See first page with Diagrams

2. Other information attached (such as SDS)? ☑ Yes

F. SHIPPING AND DOT INFORMATION

1. ☑ One-Time Event ❑ Repeat Event/Ongoing Business
2. Estimated Annual Quantity/Unit of Measure: 350
   ☑ Tons ❑ Yards ❑ Drums ❑ Gallons ❑ Other _____
3. Container Type and Size: 20 ft intermodal/truck and pup
4. USDOT Proper Shipping Name ☑ N/A

   _____
5. Estimated Start Date 07/17/2023
6. Transportation Needed? ☑ Yes* ❑ No

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management ("WM") Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to WM prior to providing the material to WM. I am aware that there are significant penalties for knowingly submitting false information.

☑ I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

❑ I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

Name (Print): Jason Hawks
Title: VP
Company: 3 kings environmental
Date: 07/25/2023

Certification Signature

Jason Hawks

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QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

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Additional Profile Information

Profile Number: 140555OR

F. SHIPPING AND DOT INFORMATION

4. USDOT Proper Shipping & Technical Name (Continued from page 1):

2.	❑ N/A
3.	❑ N/A
4.	❑ N/A
5.	❑ N/A
6.	❑ N/A
7.	❑ N/A
8.	❑ N/A
9.	❑ N/A
10.	❑ N/A
11.	❑ N/A
12.	❑ N/A
13.	❑ N/A
14.	❑ N/A
15.	❑ N/A
16.	❑ N/A
17.	❑ N/A
18.	❑ N/A
19.	❑ N/A
20.	❑ N/A
21.	❑ N/A
22.	❑ N/A
23.	❑ N/A
24.	❑ N/A
25.	❑ N/A
26.	❑ N/A
27.	❑ N/A
28.	❑ N/A
29.	❑ N/A
30.	❑ N/A
31.	❑ N/A
32.	❑ N/A
33.	❑ N/A
34.	❑ N/A
35.	❑ N/A
36.	❑ N/A
37.	❑ N/A
38.	❑ N/A
39.	❑ N/A
40.	❑ N/A

7. Transportation Requested: ☑ WM Hauled ❑ Third Party

8. Contact Name: Jason Hawks

9. Email: jhawks@3kingsinc.com

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Appendix J
Water Quality Reports

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2310013

October 09, 2023

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 10/3/2023 for the analyses presented in the following report.

Mercury by Method 1631E
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *10/09/2023*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2310013

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2310013-001	Batch-01-10032023	10/03/2023 8:00 AM	10/03/2023 10:10 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2310013**
Date: **10/9/2023**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

2310013-001F
TEST_SUB has been Sub Contracted.
2310013-001F
TEST_SUB has been Sub Contracted.

Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2310013-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2310013-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 10/3/2023 8:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2310013-001
Matrix: Water
Client Sample ID: **Batch-01-10032023**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 41664		Analyst: SH
Aroclor 1016	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1221	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1232	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1242	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1248	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1254	0.396	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1260	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1262	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Aroclor 1268	ND	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Total PCBs	0.396	0.0237		µg/L	1	10/4/2023 4:14:00 PM
Surr: Decachlorobiphenyl	22.1	5 - 169		%Rec	1	10/4/2023 4:14:00 PM
Surr: Tetrachloro-m-xylene	42.2	7.64 - 118		%Rec	1	10/4/2023 4:14:00 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 41663		Analyst: RG
Acenaphthene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Fluorene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Phenanthrene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Anthracene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Fluoranthene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Pyrene	ND	0.189		µg/L	1	10/4/2023 10:04:45 PM
Benz(a)anthracene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Chrysene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Benzo(b)fluoranthene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Benzo(k)fluoranthene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Benzo(a)pyrene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Indeno(1,2,3-cd)pyrene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Dibenz(a,h)anthracene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Benzo(g,h,i)perylene	ND	0.0947		µg/L	1	10/4/2023 10:04:45 PM
Surr: 2-Fluorobiphenyl	66.7	31.1 - 114		%Rec	1	10/4/2023 10:04:45 PM
Surr: Terphenyl-d14	55.9	32 - 137		%Rec	1	10/4/2023 10:04:45 PM
Mercury by Method 1631E				Batch ID: 41705		Analyst: ME
Mercury	26.0	0.500		ng/L	1	10/6/2023 12:59:00 PM
Total Metals by EPA Method 200.8				Batch ID: 41672		Analyst: JR
Antimony	14.2	0.200		µg/L	1	10/4/2023 2:45:00 PM

Analytical Report

Work Order: **2310013**
Date Reported: **10/9/2023**

Client: 3 Kings Environmental
Collection Date: 10/3/2023 8:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2310013-001
Matrix: Water
Client Sample ID: **Batch-01-10032023**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 41672		Analyst: JR
Arsenic	10.2	0.500		µg/L	1	10/4/2023 2:45:00 PM
Chromium	16.8	0.750		µg/L	1	10/4/2023 2:45:00 PM
Copper	50.0	2.00		µg/L	1	10/4/2023 2:45:00 PM
Lead	3.32	0.500		µg/L	1	10/4/2023 2:45:00 PM
Nickel	6.49	0.500		µg/L	1	10/4/2023 2:45:00 PM
Zinc	11.9	2.50	B	µg/L	1	10/4/2023 2:45:00 PM
pH by SM 4500H+B				Batch ID: R86991		Analyst: AM
Hydrogen Ion (pH)	10.6		H	pH	1	10/3/2023 12:15:00 PM
Turbidity by EPA Method 180.1				Batch ID: R86946		Analyst: AM
Turbidity	70.0	1.00	D	NTU	5	10/3/2023 9:07:00 AM

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **LCS-41705**	SampType: **LCS**			Units: **ng/L**		Prep Date: **10/6/2023**		RunNo: **87007**		
Client ID: **LCSW**	Batch ID: **41705**					Analysis Date: **10/6/2023**		SeqNo: **1816315**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.21	0.500	5.000	0	104	77	123				

Sample ID: **MB 1**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **10/6/2023**		RunNo: **87007**		
Client ID: **MBLKW**	Batch ID: **41705**					Analysis Date: **10/6/2023**		SeqNo: **1816304**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB-41705**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **10/6/2023**		RunNo: **87007**		
Client ID: **MBLKW**	Batch ID: **41705**					Analysis Date: **10/6/2023**		SeqNo: **1816305**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB 3**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **10/6/2023**		RunNo: **87007**		
Client ID: **MBLKW**	Batch ID: **41705**					Analysis Date: **10/6/2023**		SeqNo: **1816306**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **2310087-002EDUP**	SampType: **DUP**			Units: **ng/L**		Prep Date: **10/6/2023**		RunNo: **87007**		
Client ID: **BATCH**	Batch ID: **41705**					Analysis Date: **10/6/2023**		SeqNo: **1816311**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500						0		24	

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **2310087-002EMS**	SampType: **MS**	Units: **ng/L**	Prep Date: **10/6/2023**	RunNo: **87007**
Client ID: **BATCH**	Batch ID: **41705**		Analysis Date: **10/6/2023**	SeqNo: **1816312**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.96	0.500	5.000	0	99.1	71	125				

Sample ID: **2310087-002EMSD**	SampType: **MSD**	Units: **ng/L**	Prep Date: **10/6/2023**	RunNo: **87007**
Client ID: **BATCH**	Batch ID: **41705**		Analysis Date: **10/6/2023**	SeqNo: **1816313**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.98	0.500	5.000	0	99.6	71	125	4.955	0.523	24	

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R86991**	SampType: **MBLK**	Units: **pH**	Prep Date: **10/3/2023**	RunNo: **86991**
Client ID: **MBLKW**	Batch ID: **R86991**		Analysis Date: **10/3/2023**	SeqNo: **1815956**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.38										

Sample ID: **LCS-R86991**	SampType: **LCS**	Units: **pH**	Prep Date: **10/3/2023**	RunNo: **86991**
Client ID: **LCSW**	Batch ID: **R86991**		Analysis Date: **10/3/2023**	SeqNo: **1815957**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.05		7.000	0	101	95	105				

Sample ID: **2310013-001EDUP**	SampType: **DUP**	Units: **pH**	Prep Date: **10/3/2023**	RunNo: **86991**
Client ID: **Batch-01-10032023**	Batch ID: **R86991**		Analysis Date: **10/3/2023**	SeqNo: **1815959**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	10.6							10.58	0.189	10	H

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-41663** SampType: **MBLK** Units: **µg/L** Prep Date: **10/3/2023** RunNo: **86951**
Client ID: **MBLKW** Batch ID: **41663** Analysis Date: **10/4/2023** SeqNo: **1815025**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0941									
Fluorene	ND	0.0941									
Phenanthrene	ND	0.0941									
Anthracene	ND	0.0941									
Fluoranthene	ND	0.0941									
Pyrene	ND	0.188									
Benz(a)anthracene	ND	0.0941									
Chrysene	ND	0.0941									
Benzo(b)fluoranthene	ND	0.0941									
Benzo(k)fluoranthene	ND	0.0941									
Benzo(a)pyrene	ND	0.0941									
Indeno(1,2,3-cd)pyrene	ND	0.0941									
Dibenz(a,h)anthracene	ND	0.0941									
Benzo(g,h,i)perylene	ND	0.0941									
Surr: 2,4,6-Tribromophenol	2.97		4.703		63.2	31.3	143				
Surr: 2-Fluorobiphenyl	1.61		2.351		68.4	31.1	114				
Surr: Terphenyl-d14	1.77		2.351		75.3	32	137				

Sample ID: **LCS-41663** SampType: **LCS** Units: **µg/L** Prep Date: **10/3/2023** RunNo: **86951**
Client ID: **LCSW** Batch ID: **41663** Analysis Date: **10/4/2023** SeqNo: **1815026**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.01	0.0939	4.695	0	64.2	38	106				
Fluorene	3.20	0.0939	4.695	0	68.1	42.9	109				
Phenanthrene	3.17	0.0939	4.695	0	67.5	44	109				
Anthracene	3.07	0.0939	4.695	0	65.4	38.2	107				
Fluoranthene	3.25	0.0939	4.695	0	69.1	47.3	115				
Pyrene	3.23	0.188	4.695	0	68.8	46.8	114				
Benz(a)anthracene	3.24	0.0939	4.695	0	69.0	48	123				
Chrysene	3.08	0.0939	4.695	0	65.5	45.2	105				

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-41663** SampType: **LCS** Units: **µg/L** Prep Date: **10/3/2023** RunNo: **86951**
Client ID: **LCSW** Batch ID: **41663** Analysis Date: **10/4/2023** SeqNo: **1815026**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	2.96	0.0939	4.695	0	63.0	46.2	111				
Benzo(k)fluoranthene	2.94	0.0939	4.695	0	62.5	44.5	105				
Benzo(a)pyrene	2.85	0.0939	4.695	0	60.7	41.6	108				
Indeno(1,2,3-cd)pyrene	2.68	0.0939	4.695	0	57.1	39.2	105				
Dibenz(a,h)anthracene	2.55	0.0939	4.695	0	54.3	35.2	105				
Benzo(g,h,i)perylene	2.63	0.0939	4.695	0	56.0	37.9	103				
Surr: 2,4,6-Tribromophenol	3.84		4.695		81.8	31.3	143				
Surr: 2-Fluorobiphenyl	1.85		2.348		79.0	31.1	114				
Surr: Terphenyl-d14	1.97		2.348		83.9	32	137				

Sample ID: **2310008-007EDUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/3/2023** RunNo: **86951**
Client ID: **BATCH** Batch ID: **41663** Analysis Date: **10/4/2023** SeqNo: **1815219**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0944						0		30	
Fluorene	ND	0.0944						0		30	
Phenanthrene	ND	0.0944						0		30	
Anthracene	ND	0.0944						0		30	
Fluoranthene	ND	0.0944						0		30	
Pyrene	ND	0.189						0		30	
Benz(a)anthracene	ND	0.0944						0		30	
Chrysene	ND	0.0944						0		30	
Benzo(b)fluoranthene	ND	0.0944						0		30	
Benzo(k)fluoranthene	ND	0.0944						0		30	
Benzo(a)pyrene	ND	0.0944						0		30	
Indeno(1,2,3-cd)pyrene	ND	0.0944						0		30	
Dibenz(a,h)anthracene	ND	0.0944						0		30	
Benzo(g,h,i)perylene	ND	0.0944						0		30	
Surr: 2,4,6-Tribromophenol	4.01		4.722		84.9	31.3	143		0		
Surr: 2-Fluorobiphenyl	1.62		2.361		68.5	31.1	114		0		

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **2310008-007EDUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/3/2023** RunNo: **86951**
Client ID: **BATCH** Batch ID: **41663** Analysis Date: **10/4/2023** SeqNo: **1815219**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	1.84		2.361		78.0	32	137		0		

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCS-LL-41664**	SampType: **LCS**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86968**
Client ID: **LCSW**	Batch ID: **41664**		Analysis Date: **10/4/2023**	SeqNo: **1815353**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	0.00825	0.0237	0.009476	0	87.1	29.7	129				
Aroclor 1260	0.0108	0.0237	0.009476	0	114	25.8	142				
Surr: Decachlorobiphenyl	258		473.8		54.4	5	169				
Surr: Tetrachloro-m-xylene	360		473.8		76.0	7.64	118				

Sample ID: **MB-41664**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86968**
Client ID: **MBLKW**	Batch ID: **41664**		Analysis Date: **10/4/2023**	SeqNo: **1815354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235									
Aroclor 1221	ND	0.0235									
Aroclor 1232	ND	0.0235									
Aroclor 1242	ND	0.0235									
Aroclor 1248	ND	0.0235									
Aroclor 1254	ND	0.0235									
Aroclor 1260	ND	0.0235									
Aroclor 1262	ND	0.0235									
Aroclor 1268	ND	0.0235									
Total PCBs	ND	0.0235									
Surr: Decachlorobiphenyl	252		471.0		53.6	5	169				
Surr: Tetrachloro-m-xylene	473		471.0		101	7.64	118				

Sample ID: **2310008-007FDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86968**
Client ID: **BATCH**	Batch ID: **41664**		Analysis Date: **10/4/2023**	SeqNo: **1815356**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0239						0		30	
Aroclor 1221	ND	0.0239						0		30	
Aroclor 1232	ND	0.0239						0		30	
Aroclor 1242	ND	0.0239						0		30	

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **2310008-007FDUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/3/2023** RunNo: **86968**
Client ID: **BATCH** Batch ID: **41664** Analysis Date: **10/4/2023** SeqNo: **1815356**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	ND	0.0239						0		30	
Aroclor 1254	ND	0.0239						0		30	
Aroclor 1260	ND	0.0239						0		30	
Aroclor 1262	ND	0.0239						0		30	
Aroclor 1268	ND	0.0239						0		30	
Total PCBs	ND	0.0239						0		30	
Surr: Decachlorobiphenyl	128		478.0		26.8	5	169		0		
Surr: Tetrachloro-m-xylene	506		478.0		106	7.64	118		0		

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-41672**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86936**
Client ID: **MBLKW**	Batch ID: **41672**		Analysis Date: **10/4/2023**	SeqNo: **1814566**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	3.25	2.50									

Sample ID: **2309484-001EDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86936**
Client ID: **BATCH**	Batch ID: **41672**		Analysis Date: **10/4/2023**	SeqNo: **1814569**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.55	0.200						1.537	0.842	30	
Arsenic	ND	0.500						0		30	
Chromium	ND	0.750						0		30	
Copper	13.6	2.00						15.27	11.9	30	
Lead	1.76	0.500						1.801	2.42	30	
Nickel	0.554	0.500						0.5780	4.24	30	
Zinc	17.8	2.50						17.44	1.81	30	B

Sample ID: **2309484-001EMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86936**
Client ID: **BATCH**	Batch ID: **41672**		Analysis Date: **10/4/2023**	SeqNo: **1814570**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.69	0.200	5.000	1.537	103	70	130				
Arsenic	107	0.500	100.0	0.4380	107	70	130				
Chromium	106	0.750	100.0	0.3370	106	70	130				
Copper	119	2.00	100.0	15.27	104	70	130				
Lead	59.3	0.500	50.00	1.801	115	70	130				
Nickel	108	0.500	100.0	0.5780	108	70	130				

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2309484-001EMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86936**
Client ID: **BATCH**	Batch ID: **41672**		Analysis Date: **10/4/2023**	SeqNo: **1814570**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	124	2.50	100.0	17.44	106	70	130				

Sample ID: **2309495-006AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86936**
Client ID: **BATCH**	Batch ID: **41672**		Analysis Date: **10/4/2023**	SeqNo: **1814588**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	8.65	0.200	5.000	2.799	117	70	130				
Arsenic	107	0.500	100.0	0.8520	107	70	130				
Chromium	113	0.750	100.0	2.190	111	70	130				
Copper	143	2.00	100.0	38.09	105	70	130				
Lead	70.4	0.500	50.00	16.75	107	70	130				
Nickel	122	0.500	100.0	13.35	109	70	130				
Zinc	137	2.50	100.0	29.31	108	70	130				

Sample ID: **LCS-41672**	SampType: **LCS**	Units: **µg/L**	Prep Date: **10/3/2023**	RunNo: **86936**
Client ID: **LCSW**	Batch ID: **41672**		Analysis Date: **10/4/2023**	SeqNo: **1814667**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	4.98	0.200	5.000	0	99.7	85	115				
Arsenic	96.0	0.500	100.0	0	96.0	85	115				
Chromium	97.4	0.750	100.0	0	97.4	85	115				
Copper	98.4	2.00	100.0	0	98.4	85	115				
Lead	50.8	0.500	50.00	0	102	85	115				
Nickel	100	0.500	100.0	0	100	85	115				
Zinc	97.5	2.50	100.0	0	97.5	85	115				

Work Order: 2310013
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R86946**	SampType: **MBLK**	Units: **NTU**	Prep Date: **10/3/2023**	RunNo: **86946**
Client ID: **MBLKW**	Batch ID: **R86946**		Analysis Date: **10/3/2023**	SeqNo: **1814865**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R86946**	SampType: **LCS**	Units: **NTU**	Prep Date: **10/3/2023**	RunNo: **86946**
Client ID: **LCSW**	Batch ID: **R86946**		Analysis Date: **10/3/2023**	SeqNo: **1814866**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	9.68	0.200	10.00	0	96.8	90	110				

Sample ID: **2310009-001BDUP**	SampType: **DUP**	Units: **NTU**	Prep Date: **10/3/2023**	RunNo: **86946**
Client ID: **BATCH**	Batch ID: **R86946**		Analysis Date: **10/3/2023**	SeqNo: **1814868**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	32.1	1.00						32.10	0	20	D

Fremont Analytical
An Alliance Technical Group Company

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2310013
Logged by:	Morgan Wilson	Date Received:	10/3/2023 10:10:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☑ No ☐ NA ☐

Person Notified:	Emily Weiss	Date:	10/3/2023
By Whom:	Morgan Wilson	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Confirm Asbestos Method		
Client Instructions:	Okay to proceed with 100.1		

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	14.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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Seattle, WA 98117
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EPA 100.1 - Asbestos in Water (all sizes) Final Report

Job Number: 230919
Client: Fremont Analytical, Inc.
Address: 3600 Fremont Ave N
Seattle, WA 98103
Project Name:
Project No.: 2310013
PO Number:
PWS ID:
Reference No.:

Report Number: 230919R01
Report Date: 10/9/2023

Report Note: Due to the turbidity of the sample the required 0.2MFL sensitivity is not achievable within the LabCor test parameters. If achieving the sensitivity is required, additional grid openings can be analyzed at an additional cost. Please contact the lab for additional information.

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
230919 - S1	2310013-001F - WA Water ID#: 11925316	EPA 100.1 - Asbestos in Water (all sizes)		10/3/2023	10/3/2023

EPA 100.1 - Asbestos in Water (all sizes)

Preparation and analysis of the above samples was conducted in accordance with the EPA method #100.1. In this method, samples are taken from an affected water supply to measure the amount of asbestos contamination in the system. Samples with known organic interferences are treated with ozone/UV treatment to oxidize any suspended material in the water.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.1 µm, 25 mm mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid and if no ozone/UV treatment was applied, they were etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. Then the samples were coated at high vacuum with a thin layer of carbon. This coated sample was then placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures > 0.5um in length.

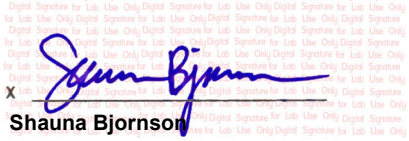
Each aliquot was examined at low magnification to determine the best particulate loading for analysis. A sensitivity of 0.2MFL was achieved over forty grid openings or until 100 structures were observed. If the submitted sample was very turbid and the method sensitivity of 0.2MFL was not achievable within LabCor, Inc.'s test parameters, the results were reported based on the analyzable aliquot. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer

The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,



Shauna Bjornson
Eurofins - LabCor Seattle

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Labcor

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Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Summary Data - Final Report

Job Number: 230919 SEA
Client: Fremont Analytical, Inc.
Project Name:

Report Number: 230919R01
Date Received: 10/3/2023

Eurofins Sample No.: S1
Client Sample No.: 2310013-001F - WA Water ID#: 11925316
Filter Fraction: 1
Aliquot Dilution: 1
Begin Volume: 2.5 ml
Final Dilution: 1
Volume Taken: 2.5 ml

Sample Area/Mass/Volume (ml) : 800
Lab Filter Area (mm2) : 289.38
Grid Openings Analyzed : 4
Average Grid Opening Area : 0.011
Area Analyzed (mm2) : 0.044
Analytical Sens. (struc/MFL) : 2.631

Analyst(s)	Analysis Date	Microscope	Magnification
SB	10/9/2023	JEOL-Sr 1200	20000

Structure Type	Concentration MFL	95% Confidence Interval MFL	Structure Count[1] Prim/Total	
TEM Water >10µm Asbestos Length	< 2.631	0 - 9.705 - Poisson	0	
TEM Water Amphibole - 100.1 Rules	13.154	4.272 - 30.698 - Poisson	5	
TEM Water Chrysotile - 100.1 Rules	368.302	297.805 - 481.956 - Gaussian	140	
TEM Water Total - 100.1 Rules	381.455	306.571 - 497.299 - Gaussian	145	

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 230919 **SEA** **EPA 100.1 Non Potable**

Client: Fremont Analytical, Inc. **Report Number:** 230919R01

Project Name: **Date Received:** 10/3/2023

Project No.: 2310013

Eurofins Sample No: S1

Client Sample No: 2310013-001F

Description: WA Water ID#: 11925316

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G16	1	E44	CD	1		Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CDQ	2		Fiber	1.2	0.12	10	Chrysotile	Mg, Si		100_1Chry, 100_1Tot

ItemType	ItemNum	Confirmed	Comment
Brightfield	J71378BF		
Diffraction	J71378DF	SB 10/9/2023	0.53nm ROW SPACING
Spectra	J71378SP	SB 10/9/2023	

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G16	1	E44	CM	3		Fiber	2.25	0.1	22.5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	4		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	5		Fiber	1.4	0.2	7	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	6		Fiber	2.6	0.3	8.7	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	7		Fiber	3.8	0.12	31.7	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	8		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	9		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	10		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	11		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	12		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	13		Fiber	1	0.2	5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	14		Fiber	1.3	0.1	13	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	15		Fiber	3.2	0.1	32	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	16		Fiber	3.2	0.2	16	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	17		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	18		Fiber	4.2	0.2	21	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	19		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	20		Fiber	1	0.2	5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	21		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	22		Fiber	1.2	0.12	10	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	23		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	24		Fiber	2.2	0.1	22	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	25		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	26		Fiber	4.5	0.23	19.6	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	27		Fiber	2	0.2	10	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	28		Fiber	3.7	0.1	37	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	29		Fiber	1	0.15	6.7	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	30		Fiber	6.2	0.2	31	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	31		Fiber	2.8	0.2	14	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	32		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	33		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	34		Fiber	4	0.1	40	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	35		Fiber	4	0.1	40	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	36		Fiber	5.1	0.1	51	Chrysotile			100_1Chry, 100_1Tot

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 230919 **SEA** **EPA 100.1 Non Potable**

Client: Fremont Analytical, Inc. **Report Number:** 230919R01

Project Name: **Date Received:** 10/3/2023

Eurofins Sample No: S1

Client Sample No: 2310013-001F

Description: WA Water ID#: 11925316

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G16	1	E44	CD	37		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	38		Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	39		Fiber	2.7	0.1	27	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	40		Fiber	2.2	0.2	11	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	41		Fiber	3	0.2	15	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	42		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	43		Fiber	1.8	0.1	18	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	44		Fiber	1.5	0.2	7.5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CD	45		Fiber	1.2	0.2	6	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	CM	46		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G16	1	E44	AMQ	47		Fiber	6.2	0.5	12.4	Tremolite			100_1Amph, 100_1Tot
G16	2	F43	CD	48		Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	49		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	50		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	51		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	52		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	53		Fiber	4	0.2	20	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	54		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	55		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	56		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	57		Fiber	2.1	0.1	21	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	58		Fiber	2.4	0.1	24	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	59		Fiber	1.8	0.1	18	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	60		Fiber	3	0.25	12	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	61		Fiber	3	0.4	7.5	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	62		Fiber	1	0.08	12.5	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	63		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	64		Fiber	2.3	0.1	23	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	65		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	66		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	67		Fiber	5.1	0.5	10.2	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	68		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	69		Fiber	1.2	0.12	10	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	70		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	71		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	72		Fiber	3.5	0.45	7.8	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	73		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	74		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	75		Fiber	1.3	0.1	13	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	76		Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CD	77		Fiber	5	0.12	41.7	Chrysotile		2X Grid Bar Rule	100_1Chry, 100_1Tot

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Phone: (206) 781-0155
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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 230919 **SEA** **EPA 100.1 Non Potable**

Client: Fremont Analytical, Inc. **Report Number:** 230919R01

Project Name: **Date Received:** 10/3/2023

Eurofins Sample No: S1

Client Sample No: 2310013-001F

Description: WA Water ID#: 11925316

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G16	2	F43	CM	78		Fiber	1.2	0.2	6	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	79		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	80		Fiber	2.5	0.12	20.8	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	81		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G16	2	F43	CM	82		Fiber	3	0.3	10	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	83		Fiber	1.3	0.12	10.8	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	84		Fiber	2	0.2	10	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CD	85		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	86		Fiber	3	0.2	15	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	87		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	88		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	89		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	90		Fiber	2	0.2	10	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	91		Fiber	1.8	0.2	9	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	92		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	93		Fiber	3.5	0.1	35	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	94		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CD	95		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	ADQ	96		Fiber	4.6	0.4	11.5	Tremolite	Mg, Al, Si, Ca, Fe		100_1Amph, 100_1Tot

ItemType	ItemNum	Confirmed	Comment
Brightfield	J71379BF		
Diffraction	J71379DF	SB 10/9/2023	0.53nm ROW SPACING
Spectra	J71379SP	SB 10/9/2023	

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G17	3	F34	CM	97		Fiber	4	0.1	40	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CD	98		Fiber	1.3	0.1	13	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	99		Fiber	4.8	0.1	48	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	100		Fiber	1.4	0.1	14	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	101		Fiber	1	0.08	12.5	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	102		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CD	103		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	AM	104		Fiber	3	0.5	6	Tremolite			100_1Amph, 100_1Tot
G17	3	F34	CM	105		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	106		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	107		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	108		Fiber	2.7	0.1	27	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	109		Fiber	2.1	0.12	17.5	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	110		Fiber	1.8	0.12	15	Chrysotile			100_1Chry, 100_1Tot
G17	3	F34	CM	111		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CD	112		Fiber	1.4	0.12	11.7	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	113		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	114		Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 230919 **SEA** **EPA 100.1 Non Potable**

Client: Fremont Analytical, Inc. **Report Number:** 230919R01

Project Name: **Date Received:** 10/3/2023

Eurofins Sample No: S1

Client Sample No: 2310013-001F

Description: WA Water ID#: 11925316

Gr	No.	Loc.	ID	Prim Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G18	4	F33	CM	115	Fiber	2.2	0.12	18.3	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	116	Fiber	1.2	0.12	10	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	117	Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	118	Fiber	0.9	0.09	10	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CD	119	Fiber	1.2	0.12	10	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	120	Fiber	1.2	0.12	10	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	121	Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CD	122	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	123	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	124	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	125	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	126	Fiber	2	0.12	16.7	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CD	127	Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	128	Fiber	2.6	0.23	11.3	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CD	129	Fiber	2.25	0.1	22.5	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	130	Fiber	3	0.12	25	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	131	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	AMQ	132	Fiber	3.8	0.3	12.7	Tremolite			100_1Amph, 100_1Tot
G18	4	F33	CM	133	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	134	Fiber	1.8	0.1	18	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	AMQ	135	Fiber	2.5	0.4	6.2	Tremolite			100_1Amph, 100_1Tot
G18	4	F33	CM	136	Fiber	1	0.08	12.5	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	137	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	138	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CD	139	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	140	Fiber	2.6	0.1	26	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	141	Fiber	2.5	0.2	12.5	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	142	Fiber	4.2	0.25	16.8	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	143	Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G18	4	F33	CM	144	Fiber	6	0.1	60	Chrysotile		2X Grid Bar Rule	100_1Chry, 100_1Tot
G18	4	F33	CM	145	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot

Count Categories

100_1Amph	TEM Water Amphibole - 100.1 Rules	100_1Chry	TEM Water Chrysotile - 100.1 Rules	100_1Tot	TEM Water Total - 100.1 Rules
Asb>10	TEM Water >10µm Asbestos Length				

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 10-3-23 | Page: 1 of: 1 | Laboratory Project No (internal): 2310013

Project Name: Anacortes Demo Project | Special Remarks:

Client: 3 Kings Enviromental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: Battle Ground WA 98604

Location: Mt. Vernon WA

Telephone: 360-921-8702

Report To (PM): Jason Hawks

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3KingsInc.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	4 Hg	Turbidity	4 Asbestos	Comments
1	Batch-01-10032023	10/3/23	0800	Water	7						X	X	X			X	X	X		
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas V. King	Thomas King	10/3/23 8:00A	x	Nathan Koffler	10/3/23 1010
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 10-3-23 | Page: 1 of: 1 | Laboratory Project No (internal): 2310013

Project Name: Anacortes Demo Project

Special Remarks:
update per quote e230929-1
-mw 10/3/23

Client: 3 Kings Environmental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

PCBs EPA 608
PAHs EPA 625

City, State, Zip: Battle Ground WA 98604

Location: Mt. Vernon WA

Telephone: 360-921-8702

Report To (PM): Jason Hawks

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3KingsInc.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	4 Hg	Turbidity	As Dissolved	Comments
1	Batch-01-10032023	10/3/23	0800	Water	7							X	X	X			X	X	X	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al (As) B Ba Be Ca Cd Co (Cr) (Cu) Fe Hg K Mg Mn Mo Na (Ni) (Pb) (Sb) Se Sr Sn Ti Tl V (Zn)

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas V. King	Thomas King	10/3/23 8:00A	x	Nathan Koffler	10/3/23 1010
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2310506

November 02, 2023

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 10/30/2023 for the analyses presented in the following report.

Mercury by Method 1631E
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Date: *11/02/2023*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2310506

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2310506-001	Batch-02-10302023	10/30/2023 12:00 PM	10/30/2023 12:46 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2310506**
Date: **11/2/2023**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2310506-001F
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2310506-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2310506-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Notations:

Due to background contamination, the mercury result for Batch-02-10302023 is likely to be biased high. Since the reported value is well below the permit indicator level of 2.1 ug/L the lab is presenting this data as final. If you should have any questions or concerns about this data please do not hesitate to reach out.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2310506**
Date Reported: **11/2/2023**

Client: 3 Kings Environmental
Collection Date: 10/30/2023 12:00:00 PM
Project: Anacortes Demo Project
Lab ID: 2310506-001
Matrix: Water
Client Sample ID: **Batch-02-10302023**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 41917		Analyst: SK
Aroclor 1016	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1221	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1232	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1242	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1248	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1254	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1260	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1262	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Aroclor 1268	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Total PCBs	ND	0.0234		µg/L	1	10/31/2023 3:06:08 PM
Surr: Decachlorobiphenyl	75.0	5 - 169		%Rec	1	10/31/2023 3:06:08 PM
Surr: Tetrachloro-m-xylene	89.3	7.64 - 118		%Rec	1	10/31/2023 3:06:08 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 41914		Analyst: RG
Acenaphthene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Fluorene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Phenanthrene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Anthracene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Fluoranthene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Pyrene	ND	0.189		µg/L	1	10/31/2023 6:31:19 PM
Benz(a)anthracene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Chrysene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Benzo(b)fluoranthene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Benzo(k)fluoranthene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Benzo(a)pyrene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Indeno(1,2,3-cd)pyrene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Dibenz(a,h)anthracene	ND	0.0946	*	µg/L	1	10/31/2023 6:31:19 PM
Benzo(g,h,i)perylene	ND	0.0946		µg/L	1	10/31/2023 6:31:19 PM
Surr: 2-Fluorobiphenyl	77.2	31.1 - 114		%Rec	1	10/31/2023 6:31:19 PM
Surr: Terphenyl-d14	46.3	32 - 137		%Rec	1	10/31/2023 6:31:19 PM

NOTES:
* - Associated LCS is below acceptance criteria. Result may be low-biased.

Mercury by Method 1631E				Batch ID: 41948		Analyst: ME
Mercury	10.3	0.500		ng/L	1	11/2/2023 5:16:29 PM

Analytical Report

Work Order: **2310506**
Date Reported: **11/2/2023**

Client: 3 Kings Environmental
Collection Date: 10/30/2023 12:00:00 PM
Project: Anacortes Demo Project
Lab ID: 2310506-001
Matrix: Water
Client Sample ID: **Batch-02-10302023**

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 41919		Analyst: JR
Antimony	14.2	0.200		µg/L	1	10/31/2023 2:57:00 PM
Arsenic	11.2	0.500		µg/L	1	10/31/2023 2:57:00 PM
Chromium	2.27	0.750		µg/L	1	10/31/2023 2:57:00 PM
Copper	3.64	2.00		µg/L	1	10/31/2023 2:57:00 PM
Lead	0.959	0.500		µg/L	1	10/31/2023 2:57:00 PM
Nickel	0.551	0.500		µg/L	1	10/31/2023 2:57:00 PM
Zinc	10.6	2.50		µg/L	1	10/31/2023 2:57:00 PM
pH by SM 4500H+B				Batch ID: R87510		Analyst: NK
Hydrogen Ion (pH)	7.72		H	pH	1	10/30/2023 4:00:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R87501		Analyst: NR
Total Suspended Solids	ND	3.00		mg/L	1	10/31/2023 9:46:08 AM
Turbidity by EPA Method 180.1				Batch ID: R87506		Analyst: NK
Turbidity	3.29	0.200		NTU	1	10/30/2023 4:20:00 PM

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **LCS-41948**	SampType: **LCS**			Units: **ng/L**		Prep Date: **11/2/2023**		RunNo: **87563**		
Client ID: **LCSW**	Batch ID: **41948**					Analysis Date: **11/2/2023**		SeqNo: **1827262**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	5.32	0.500	5.000	0	106	77	123				

Sample ID: **MB 1**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **11/2/2023**		RunNo: **87563**		
Client ID: **MBLKW**	Batch ID: **41948**					Analysis Date: **11/2/2023**		SeqNo: **1827254**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB 2**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **11/2/2023**		RunNo: **87563**		
Client ID: **MBLKW**	Batch ID: **41948**					Analysis Date: **11/2/2023**		SeqNo: **1827255**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB-41948**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **11/2/2023**		RunNo: **87563**		
Client ID: **MBLKW**	Batch ID: **41948**					Analysis Date: **11/2/2023**		SeqNo: **1827256**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **2310506-001DDUP**	SampType: **DUP**			Units: **ng/L**		Prep Date: **11/2/2023**		RunNo: **87563**		
Client ID: **Batch-02-10302023**	Batch ID: **41948**					Analysis Date: **11/2/2023**		SeqNo: **1827258**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	10.1	0.500						10.27	1.70	24	

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **2310506-001DMS** SampType: **MS** Units: **ng/L** Prep Date: **11/2/2023** RunNo: **87563**
Client ID: **Batch-02-10302023** Batch ID: **41948** Analysis Date: **11/2/2023** SeqNo: **1827259**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	15.3	0.500	5.000	10.27	100	71	125				

Sample ID: **2310506-001DMSD** SampType: **MSD** Units: **ng/L** Prep Date: **11/2/2023** RunNo: **87563**
Client ID: **Batch-02-10302023** Batch ID: **41948** Analysis Date: **11/2/2023** SeqNo: **1827260**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	15.5	0.500	5.000	10.27	105	71	125	15.28	1.53	24	

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R87510**	SampType: **MBLK**	Units: **pH**	Prep Date: **10/30/2023**	RunNo: **87510**
Client ID: **MBLKW**	Batch ID: **R87510**		Analysis Date: **10/30/2023**	SeqNo: **1825909**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.81										

Sample ID: **LCS-R87510**	SampType: **LCS**	Units: **pH**	Prep Date: **10/30/2023**	RunNo: **87510**
Client ID: **LCSW**	Batch ID: **R87510**		Analysis Date: **10/30/2023**	SeqNo: **1825910**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.03		7.000	0	100	95	105				

Sample ID: **2310503-001EDUP**	SampType: **DUP**	Units: **pH**	Prep Date: **10/30/2023**	RunNo: **87510**
Client ID: **BATCH**	Batch ID: **R87510**		Analysis Date: **10/30/2023**	SeqNo: **1825912**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	8.28							8.260	0.242	10	H

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-41914** SampType: **MBLK** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87517**
Client ID: **MBLKW** Batch ID: **41914** Analysis Date: **10/31/2023** SeqNo: **1826200**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0950									
Fluorene	ND	0.0950									
Phenanthrene	ND	0.0950									
Anthracene	ND	0.0950									
Fluoranthene	ND	0.0950									
Pyrene	ND	0.190									
Benz(a)anthracene	ND	0.0950									
Chrysene	ND	0.0950									
Benzo(b)fluoranthene	ND	0.0950									
Benzo(k)fluoranthene	ND	0.0950									
Benzo(a)pyrene	ND	0.0950									
Indeno(1,2,3-cd)pyrene	ND	0.0950									
Dibenz(a,h)anthracene	ND	0.0950									*
Benzo(g,h,i)perylene	ND	0.0950									
Surr: 2,4,6-Tribromophenol	3.66		4.751		76.9	31.3	143				
Surr: 2-Fluorobiphenyl	1.92		2.375		80.7	31.1	114				
Surr: Terphenyl-d14	2.05		2.375		86.3	32	137				

NOTES:
* - Associated LCS is below acceptance criteria. Result may be low-biased.

Sample ID: **LCS-41914** SampType: **LCS** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87517**
Client ID: **LCSW** Batch ID: **41914** Analysis Date: **10/31/2023** SeqNo: **1826201**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.73	0.0945	4.727	0	78.8	38	106				
Fluorene	3.92	0.0945	4.727	0	83.0	42.9	109				
Phenanthrene	3.78	0.0945	4.727	0	79.9	44	109				
Anthracene	3.63	0.0945	4.727	0	76.7	38.2	107				
Fluoranthene	3.91	0.0945	4.727	0	82.8	47.3	115				
Pyrene	3.87	0.189	4.727	0	81.8	46.8	114				
Benz(a)anthracene	3.73	0.0945	4.727	0	78.9	48	123				

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-41914** SampType: **LCS** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87517**
Client ID: **LCSW** Batch ID: **41914** Analysis Date: **10/31/2023** SeqNo: **1826201**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	3.72	0.0945	4.727	0	78.7	45.2	105				
Benzo(b)fluoranthene	3.41	0.0945	4.727	0	72.2	46.2	111				
Benzo(k)fluoranthene	2.82	0.0945	4.727	0	59.7	44.5	105				
Benzo(a)pyrene	3.12	0.0945	4.727	0	65.9	41.6	108				
Indeno(1,2,3-cd)pyrene	2.01	0.0945	4.727	0	42.5	39.2	105				
Dibenz(a,h)anthracene	1.64	0.0945	4.727	0	34.6	35.2	105				S
Benzo(g,h,i)perylene	2.14	0.0945	4.727	0	45.2	37.9	103				
Surr: 2,4,6-Tribromophenol	4.67		4.727		98.9	31.3	143				
Surr: 2-Fluorobiphenyl	2.24		2.364		94.6	31.1	114				
Surr: Terphenyl-d14	2.05		2.364		86.7	32	137				

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a *.

Sample ID: **LCSD-41914** SampType: **LCSD** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87517**
Client ID: **LCSW02** Batch ID: **41914** Analysis Date: **10/31/2023** SeqNo: **1826921**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.68	0.0933	4.665	0	78.8	38	106	3.725	1.28	30	
Fluorene	3.88	0.0933	4.665	0	83.2	42.9	109	3.923	1.04	30	
Phenanthrene	3.82	0.0933	4.665	0	81.9	44	109	3.777	1.17	30	
Anthracene	3.47	0.0933	4.665	0	74.3	38.2	107	3.627	4.49	30	
Fluoranthene	3.91	0.0933	4.665	0	83.9	47.3	115	3.914	0.00208	30	
Pyrene	3.89	0.187	4.665	0	83.4	46.8	114	3.865	0.626	30	
Benz(a)anthracene	3.65	0.0933	4.665	0	78.3	48	123	3.728	1.98	30	
Chrysene	3.65	0.0933	4.665	0	78.3	45.2	105	3.718	1.81	30	
Benzo(b)fluoranthene	3.13	0.0933	4.665	0	67.2	46.2	111	3.413	8.55	30	
Benzo(k)fluoranthene	2.75	0.0933	4.665	0	59.0	44.5	105	2.824	2.64	30	
Benzo(a)pyrene	2.79	0.0933	4.665	0	59.8	41.6	108	3.117	11.0	30	
Indeno(1,2,3-cd)pyrene	1.84	0.0933	4.665	0	39.5	39.2	105	2.010	8.64	30	
Dibenz(a,h)anthracene	1.51	0.0933	4.665	0	32.4	35.2	105	1.637	7.99	30	S
Benzo(g,h,i)perylene	1.96	0.0933	4.665	0	42.1	37.9	103	2.139	8.55	30	

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-41914** SampType: **LCSD** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87517**
Client ID: **LCSW02** Batch ID: **41914** Analysis Date: **10/31/2023** SeqNo: **1826921**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	4.72		4.665		101	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.26		2.332		96.9	31.1	114		0		
Surr: Terphenyl-d14	2.08		2.332		89.4	32	137		0		

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a *.

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-41917** SampType: **MBLK** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87525**
Client ID: **MBLKW** Batch ID: **41917** Analysis Date: **10/31/2023** SeqNo: **1826414**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0239									
Aroclor 1221	ND	0.0239									
Aroclor 1232	ND	0.0239									
Aroclor 1242	ND	0.0239									
Aroclor 1248	ND	0.0239									
Aroclor 1254	ND	0.0239									
Aroclor 1260	ND	0.0239									
Aroclor 1262	ND	0.0239									
Aroclor 1268	ND	0.0239									
Total PCBs	ND	0.0239									
Surr: Decachlorobiphenyl	336		477.4		70.3	5	169				
Surr: Tetrachloro-m-xylene	431		477.4		90.3	7.64	118				

Sample ID: **LCS-41917** SampType: **LCS** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87525**
Client ID: **LCSW** Batch ID: **41917** Analysis Date: **10/31/2023** SeqNo: **1826415**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.10	0.0235	2.351	0	89.3	29.7	129				
Aroclor 1260	2.08	0.0235	2.351	0	88.6	25.8	142				
Surr: Decachlorobiphenyl	520		470.3		111	5	169				
Surr: Tetrachloro-m-xylene	463		470.3		98.4	7.64	118				

Sample ID: **2310461-005ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87525**
Client ID: **BATCH** Batch ID: **41917** Analysis Date: **10/31/2023** SeqNo: **1826417**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0239						0		30	
Aroclor 1221	ND	0.0239						0		30	
Aroclor 1232	ND	0.0239						0		30	
Aroclor 1242	ND	0.0239						0		30	

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **2310461-005ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/30/2023** RunNo: **87525**
Client ID: **BATCH** Batch ID: **41917** Analysis Date: **10/31/2023** SeqNo: **1826417**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1248	ND	0.0239						0		30	
Aroclor 1254	ND	0.0239						0		30	
Aroclor 1260	ND	0.0239						0		30	
Aroclor 1262	ND	0.0239						0		30	
Aroclor 1268	ND	0.0239						0		30	
Total PCBs	ND	0.0239						0		30	
Surr: Decachlorobiphenyl	215		478.6		45.0	5	169		0		
Surr: Tetrachloro-m-xylene	224		478.6		46.9	7.64	118		0		

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-41919** SampType: **MBLK** Units: **µg/L** Prep Date: **10/31/2023** RunNo: **87521**
Client ID: **MBLKW** Batch ID: **41919** Analysis Date: **10/31/2023** SeqNo: **1826281**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-41919** SampType: **LCS** Units: **µg/L** Prep Date: **10/31/2023** RunNo: **87521**
Client ID: **LCSW** Batch ID: **41919** Analysis Date: **10/31/2023** SeqNo: **1826335**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.41	0.200	5.000	0	108	85	115				
Arsenic	108	0.500	100.0	0	108	85	115				
Chromium	113	0.750	100.0	0	113	85	115				
Copper	113	2.00	100.0	0	113	85	115				
Lead	55.3	0.500	50.00	0	111	85	115				
Nickel	112	0.500	100.0	0	112	85	115				
Zinc	109	2.50	100.0	0	109	85	115				

Sample ID: **2310497-001DDUP** SampType: **DUP** Units: **µg/L** Prep Date: **10/31/2023** RunNo: **87521**
Client ID: **BATCH** Batch ID: **41919** Analysis Date: **10/31/2023** SeqNo: **1826284**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	11.6	0.200						11.96	3.16	30	
Arsenic	8.87	0.500						9.156	3.15	30	
Chromium	ND	0.750						0		30	
Copper	192	2.00						186.7	2.61	30	
Lead	156	0.500						157.6	0.988	30	
Nickel	2.60	0.500						2.524	2.93	30	

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2310497-001DDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **10/31/2023**	RunNo: **87521**
Client ID: **BATCH**	Batch ID: **41919**		Analysis Date: **10/31/2023**	SeqNo: **1826284**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	367	2.50						365.0	0.648	30	

Sample ID: **2310497-001DMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **10/31/2023**	RunNo: **87521**
Client ID: **BATCH**	Batch ID: **41919**		Analysis Date: **10/31/2023**	SeqNo: **1826285**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	17.0	0.200	5.000	11.96	102	70	130				
Arsenic	117	0.500	100.0	9.156	108	70	130				
Chromium	111	0.750	100.0	0.5650	111	70	130				
Copper	281	2.00	100.0	186.7	94.0	70	130				
Lead	201	0.500	50.00	157.6	86.8	70	130				
Nickel	105	0.500	100.0	2.524	102	70	130				
Zinc	464	2.50	100.0	365.0	99.4	70	130				

Sample ID: **2310489-001AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **10/31/2023**	RunNo: **87521**
Client ID: **BATCH**	Batch ID: **41919**		Analysis Date: **10/31/2023**	SeqNo: **1826296**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.52	0.200	5.000	0.8290	114	70	130				
Arsenic	111	0.500	100.0	1.193	110	70	130				
Chromium	117	0.750	100.0	0.5220	117	70	130				
Copper	682	2.00	100.0	590.1	91.4	70	130				E
Lead	233	0.500	50.00	182.6	101	70	130				
Nickel	116	0.500	100.0	8.377	108	70	130				
Zinc	1,010	2.50	100.0	948.6	65.0	70	130				ES

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R87501**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **10/31/2023**	RunNo: **87501**
Client ID: **MBLKW**	Batch ID: **R87501**		Analysis Date: **10/31/2023**	SeqNo: **1825739**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R87501**	SampType: **LCS**	Units: **mg/L**	Prep Date: **10/31/2023**	RunNo: **87501**
Client ID: **LCSW**	Batch ID: **R87501**		Analysis Date: **10/31/2023**	SeqNo: **1825740**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	275	3.00	300.0	0	91.7	65	135				

Sample ID: **2310415-001DDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **10/31/2023**	RunNo: **87501**
Client ID: **BATCH**	Batch ID: **R87501**		Analysis Date: **10/31/2023**	SeqNo: **1825742**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	72.0	3.00						70.00	2.82	30	

Work Order: 2310506
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R87506**	SampType: **MBLK**			Units: **NTU**		Prep Date: **10/30/2023**			RunNo: **87506**	
Client ID: **MBLKW**	Batch ID: **R87506**					Analysis Date: **10/30/2023**			SeqNo: **1825841**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R87506**	SampType: **LCS**			Units: **NTU**		Prep Date: **10/30/2023**			RunNo: **87506**	
Client ID: **LCSW**	Batch ID: **R87506**					Analysis Date: **10/30/2023**			SeqNo: **1825842**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.5	0.200	10.00	0	105	90	110				

Sample ID: **2310503-001EDUP**	SampType: **DUP**			Units: **NTU**		Prep Date: **10/30/2023**			RunNo: **87506**	
Client ID: **BATCH**	Batch ID: **R87506**					Analysis Date: **10/30/2023**			SeqNo: **1825844**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	0.900	0.200						0.8200	9.30	20	

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2310506
Logged by:	Clare Griggs	Date Received:	10/30/2023 12:46:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☑	No ☐	Not Present ☐
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	9.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Final Report

Job Number: 230994
Client: Alliance Technical Group-Fremont Analytical, Inc.
Address: 3600 Fremont Ave N Seattle, WA 98103
Project Name:
Project No.: 2310506-001F
PO Number:
PWS ID:
Reference No.:

Report Number: 230994R01
Report Date: 11/2/2023

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
230994 - S1	Batch-02-10302023 - WA Water ID#: 11925331	EPA 100.1 - Asbestos in Water (all sizes)	Some Chrysotile fibers <0.5um found	10/30/2023	10/30/2023

EPA 100.1 - Asbestos in Water (all sizes)

Preparation and analysis of the above samples was conducted in accordance with the EPA method #100.1. In this method, samples are taken from an affected water supply to measure the amount of asbestos contamination in the system. Samples with known organic interferences are treated with ozone/UV treatment to oxidize any suspended material in the water.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.1 µm, 25 mm mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid and if no ozone/UV treatment was applied, they were etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. Then the samples were coated at high vacuum with a thin layer of carbon. This coated sample was then placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures > 0.5um in length.

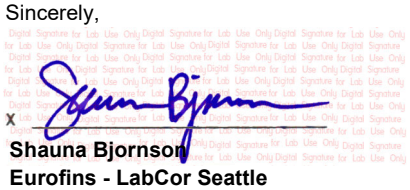
Each aliquot was examined at low magnification to determine the best particulate loading for analysis. A sensitivity of 0.2MFL was achieved over forty grid openings or until 100 structures were observed. If the submitted sample was very turbid and the method sensitivity of 0.2MFL was not achievable within LabCor, Inc.'s test parameters, the results were reported based on the analyzable aliquot. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer

The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,



Shauna Bjornson
Eurofins - LabCor Seattle

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Summary Data - Final Report

Job Number: 230994 SEA
Client: Alliance Technical Group-Fremont Analytical, Inc.
Report Number: 230994R01
Project Name:
Date Received: 10/30/2023

Eurofins Sample No.: S1
Client Sample No.: Batch-02-10302023 - WA Water ID#: 11925331
Filter Fraction: 1
Aliquot Dilution: 1
Begin Volume: 10 ml
Final Dilution: 1
Volume Taken: 10 ml

Sample Area/Mass/Volume (ml) : 800
Lab Filter Area (mm2) : 289.38
Grid Openings Analyzed : 14
Average Grid Opening Area : 0.01181
Area Analyzed (mm2) : 0.16534
Analytical Sens. (struc/MFL) : 0.175

Analyst(s)	Analysis Date	Microscope	Magnification
SB	11/2/2023	JEOL-Sr 1200	20000

Structure Type	Concen-tration MFL	95% Confidence Interval MFL	Structure Count[1] Prim/Total	
TEM Water >10µm Asbestos Length	< 0.175	0 - 0.646 - Poisson	0	
TEM Water Amphibole - 100.1 Rules	< 0.175	0 - 0.646 - Poisson	0	
TEM Water Chrysotile - 100.1 Rules	< 0.175	0 - 0.646 - Poisson	0	
TEM Water Total - 100.1 Rules	< 0.175	0 - 0.646 - Poisson	0	

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 230994 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 230994R01

Project Name:

Date Received: 10/30/2023

Project No.: 2310506-001F

Eurofins Sample No: S1

Client Sample No: Batch-02-10302023

Description: WA Water ID#: 11925331

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G4	1	F42				NSD							
G4	2	G41				NSD							
G4	3	G33				NSD							
G4	4	E52				NSD							
G4	5	F51				NSD							
G5	6	E42				NSD							
G5	7	F41				NSD							
G5	8	F42				NSD							
G5	9	C32				NSD							
G5	10	E31				NSD							
G6	11	E24				NSD							
G6	12	F23				NSD							
G6	13	B42				NSD							
G6	14	C41				NSD							

Count Categories

100_1Amph	TEM Water Amphibole - 100.1 Rules	100_1Chry	TEM Water Chrysotile - 100.1 Rules	100_1Tot	TEM Water Total - 100.1 Rules
Asb>10	TEM Water >10µm Asbestos Length				

Reviewed by:

x

Shauna Bjornson
Eurofins - LabCor Seattle

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 10-30-2023 Page: 1 of: 1

Laboratory Project No (internal): 2310506

Project Name: ANACORTES DEMO PROJECT

Special Remarks:
PCBs - EPA 608
PAHs - EPA 625

Client: 3 KINGS ENVIRONMENTAL

Project No: 223060

Address: PO BOX 280

Collected by: TOM KING

City, State, Zip: BATTLE GROUND WA 98604

Location: MT VERNON, WA

Telephone: 360-921-8702

Report To (PM): JASON HAWKS

Email(s): TKING@3KINGSINC.COM

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos (1332-21-4)	Turbidity / pH	TSS	LL Hg	Comments
1	BATCH-02-10302023	10-30-23	12:00	W	6							X	X	X			X	X	X	X	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al (As) B Ba Be Ca Cd Co (Cr) (Cu) Fe Hg K Mg Mn Mo Na (Ni) (Pb) (Sb) Se Sr Sn Ti Tl V (Zn)

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	THOMAS KING	10-30-23 12:00 NOON	x	Britton Stone	10/30/23 12:46
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas V. King		10-30-23 12:NOON	x		

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2312468

December 27, 2023

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 12/20/2023 for the analyses presented in the following report.

Mercury by Method 1631E
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Brianna Barnes
Project Manager

Fremont Analytical
An Alliance Technical Group Company

Date: *12/27/2023*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2312468

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2312468-001	Batch-04-12202023	12/20/2023 10:00 AM	12/20/2023 12:06 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

2312468-001F
TEST_SUB has been Sub Contracted.

Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2312468-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2312468-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Associated LCS is outside of control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Method Detection Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Project: Anacortes Demo Project
Lab ID: 2312468-001
Client Sample ID: **Batch-04-12202023**

Collection Date: 12/20/2023 10:00:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 42385		Analyst: SK
Aroclor 1016	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1221	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1232	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1242	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1248	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1254	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1260	0.0454	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1262	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Aroclor 1268	ND	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Total PCBs	0.0454	0.0234		µg/L	1	12/21/2023 4:50:16 PM
Surr: Decachlorobiphenyl	75.9	5 - 169		%Rec	1	12/21/2023 4:50:16 PM
Surr: Tetrachloro-m-xylene	65.2	7.64 - 118		%Rec	1	12/21/2023 4:50:16 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 42388		Analyst: SH
Acenaphthene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Fluorene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Phenanthrene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Anthracene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Fluoranthene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Pyrene	ND	0.191		µg/L	1	12/21/2023 7:22:33 PM
Benz(a)anthracene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Chrysene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Benzo(b)fluoranthene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Benzo(k)fluoranthene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Benzo(a)pyrene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Indeno(1,2,3-cd)pyrene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Dibenz(a,h)anthracene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Benzo(g,h,i)perylene	ND	0.0953		µg/L	1	12/21/2023 7:22:33 PM
Surr: 2-Fluorobiphenyl	84.9	31.1 - 114		%Rec	1	12/21/2023 7:22:33 PM
Surr: Terphenyl-d14	52.7	32 - 137		%Rec	1	12/21/2023 7:22:33 PM
Mercury by Method 1631E				Batch ID: 42408		Analyst: ME
Mercury	9.45	0.500		ng/L	1	12/20/2023 3:26:47 PM
Total Metals by EPA Method 200.8				Batch ID: 42425		Analyst: SLL
Antimony	15.7	0.200		µg/L	1	12/22/2023 6:29:00 PM

Fremont Analytical
An Alliance Technical Group Company

Analytical Report

Work Order: **2312468**
Date Reported: **12/27/2023**

Client: 3 Kings Environmental
Project: Anacortes Demo Project
Lab ID: 2312468-001
Client Sample ID: **Batch-04-12202023**

Collection Date: 12/20/2023 10:00:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 42425		Analyst: SLL
Arsenic	10.9	0.500		µg/L	1	12/22/2023 6:29:00 PM
Chromium	2.34	0.750		µg/L	1	12/22/2023 6:29:00 PM
Copper	12.6	2.00		µg/L	1	12/22/2023 6:29:00 PM
Lead	2.60	0.500		µg/L	1	12/22/2023 6:29:00 PM
Nickel	2.47	0.500		µg/L	1	12/22/2023 6:29:00 PM
Zinc	186	2.50		µg/L	1	12/22/2023 6:29:00 PM
pH by SM 4500H+B				Batch ID: R88485		Analyst: NR
Hydrogen Ion (pH)	6.54		H	pH	1	12/20/2023 2:54:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R88479		Analyst: AM
Total Suspended Solids	8.00	3.00		mg/L	1	12/20/2023 5:26:45 PM
Turbidity by EPA Method 180.1				Batch ID: R88489		Analyst: NR
Turbidity	18.8	0.400	D	NTU	2	12/20/2023 3:05:00 PM

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **LCS-42408**	SampType: **LCS**			Units: **ng/L**		Prep Date: **12/20/2023**		RunNo: **88474**		
Client ID: **LCSW**	Batch ID: **42408**					Analysis Date: **12/20/2023**		SeqNo: **1847731**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.26	0.500	5.000	0	85.2	77	123				

Sample ID: **MB-42408**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **12/20/2023**		RunNo: **88474**		
Client ID: **MBLKW**	Batch ID: **42408**					Analysis Date: **12/20/2023**		SeqNo: **1847722**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB 2**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **12/20/2023**		RunNo: **88474**		
Client ID: **MBLKW**	Batch ID: **42408**					Analysis Date: **12/20/2023**		SeqNo: **1847723**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB 3**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **12/20/2023**		RunNo: **88474**		
Client ID: **MBLKW**	Batch ID: **42408**					Analysis Date: **12/20/2023**		SeqNo: **1847724**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **2312468-001DDUP**	SampType: **DUP**			Units: **ng/L**		Prep Date: **12/20/2023**		RunNo: **88474**		
Client ID: **Batch-04-12202023**	Batch ID: **42408**					Analysis Date: **12/20/2023**		SeqNo: **1847727**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	9.53	0.500						9.448	0.885	24	

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **2312468-001DMS**	SampType: **MS**			Units: **ng/L**		Prep Date: **12/20/2023**			RunNo: **88474**	
Client ID: **Batch-04-12202023**	Batch ID: **42408**					Analysis Date: **12/20/2023**			SeqNo: **1847728**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	14.0	0.500	5.000	9.448	91.1	71	125				

Sample ID: **2312468-001DMSD**	SampType: **MSD**			Units: **ng/L**		Prep Date: **12/20/2023**			RunNo: **88474**	
Client ID: **Batch-04-12202023**	Batch ID: **42408**					Analysis Date: **12/20/2023**			SeqNo: **1847729**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	15.0	0.500	5.000	9.448	111	71	125	14.00	6.98	24	

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R88485**	SampType: **MBLK**			Units: **pH**		Prep Date: **12/20/2023**		RunNo: **88485**		
Client ID: **MBLKW**	Batch ID: **R88485**					Analysis Date: **12/20/2023**		SeqNo: **1847873**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.60										

Sample ID: **LCS-R88485**	SampType: **LCS**			Units: **pH**		Prep Date: **12/20/2023**		RunNo: **88485**		
Client ID: **LCSW**	Batch ID: **R88485**					Analysis Date: **12/20/2023**		SeqNo: **1847874**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.11		7.000	0	102	95	105				

Sample ID: **2312468-001EDUP**	SampType: **DUP**			Units: **pH**		Prep Date: **12/20/2023**		RunNo: **88485**		
Client ID: **Batch-04-12202023**	Batch ID: **R88485**					Analysis Date: **12/20/2023**		SeqNo: **1847876**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	6.54							6.540	0	10	H

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Date: *12/27/2023*

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-42388**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **12/19/2023**		RunNo: **88541**		
Client ID: **MBLKW**	Batch ID: **42388**					Analysis Date: **12/20/2023**		SeqNo: **1848928**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0938									
Fluorene	ND	0.0938									
Phenanthrene	ND	0.0938									
Anthracene	ND	0.0938									
Fluoranthene	ND	0.0938									
Pyrene	ND	0.188									
Benz(a)anthracene	ND	0.0938									
Chrysene	ND	0.0938									
Benzo(b)fluoranthene	ND	0.0938									
Benzo(k)fluoranthene	ND	0.0938									
Benzo(a)pyrene	ND	0.0938									
Indeno(1,2,3-cd)pyrene	ND	0.0938									
Dibenz(a,h)anthracene	ND	0.0938									
Benzo(g,h,i)perylene	ND	0.0938									
Surr: 2-Fluorobiphenyl	2.16		2.345		92.1	31.1	114				
Surr: Terphenyl-d14	2.37		2.345		101	32	137				

Sample ID: **LCS-42388**	SampType: **LCS**			Units: **µg/L**		Prep Date: **12/19/2023**		RunNo: **88541**		
Client ID: **LCSW**	Batch ID: **42388**					Analysis Date: **12/20/2023**		SeqNo: **1848929**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.74	0.0941	4.707	0	79.6	38	106				
Fluorene	3.87	0.0941	4.707	0	82.2	42.9	109				
Phenanthrene	3.88	0.0941	4.707	0	82.5	44	109				
Anthracene	3.15	0.0941	4.707	0	67.0	38.2	107				
Fluoranthene	3.88	0.0941	4.707	0	82.5	47.3	115				
Pyrene	3.87	0.188	4.707	0	82.3	46.8	114				
Benz(a)anthracene	3.55	0.0941	4.707	0	75.4	48	123				
Chrysene	3.83	0.0941	4.707	0	81.4	45.2	105				
Benzo(b)fluoranthene	3.54	0.0941	4.707	0	75.1	46.2	111				

Fremont Analytical
An Alliance Technical Group Company

Date: *12/27/2023*

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-42388**	SampType: **LCS**			Units: **µg/L**		Prep Date: **12/19/2023**		RunNo: **88541**		
Client ID: **LCSW**	Batch ID: **42388**					Analysis Date: **12/20/2023**		SeqNo: **1848929**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	3.38	0.0941	4.707	0	71.7	44.5	105				
Benzo(a)pyrene	3.02	0.0941	4.707	0	64.2	41.6	108				
Indeno(1,2,3-cd)pyrene	3.16	0.0941	4.707	0	67.2	39.2	105				
Dibenz(a,h)anthracene	2.86	0.0941	4.707	0	60.7	35.2	105				
Benzo(g,h,i)perylene	2.97	0.0941	4.707	0	63.2	37.9	103				
Surr: 2-Fluorobiphenyl	4.78		4.707		102	31.1	114				
Surr: Terphenyl-d14	4.45		4.707		94.6	32	137				

Sample ID: **LCSD-42388**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **12/19/2023**		RunNo: **88541**		
Client ID: **LCSW02**	Batch ID: **42388**					Analysis Date: **12/20/2023**		SeqNo: **1848930**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	4.07	0.0944	4.718	0	86.3	38	106	3.745	8.36	30	
Fluorene	4.33	0.0944	4.718	0	91.9	42.9	109	3.870	11.3	30	
Phenanthrene	4.41	0.0944	4.718	0	93.5	44	109	3.882	12.8	30	
Anthracene	3.69	0.0944	4.718	0	78.3	38.2	107	3.155	15.7	30	
Fluoranthene	4.42	0.0944	4.718	0	93.6	47.3	115	3.883	12.9	30	
Pyrene	4.41	0.189	4.718	0	93.5	46.8	114	3.873	13.0	30	
Benz(a)anthracene	4.07	0.0944	4.718	0	86.2	48	123	3.550	13.6	30	
Chrysene	4.28	0.0944	4.718	0	90.7	45.2	105	3.832	11.0	30	
Benzo(b)fluoranthene	3.84	0.0944	4.718	0	81.3	46.2	111	3.536	8.14	30	
Benzo(k)fluoranthene	3.61	0.0944	4.718	0	76.6	44.5	105	3.377	6.76	30	
Benzo(a)pyrene	3.32	0.0944	4.718	0	70.5	41.6	108	3.020	9.59	30	
Indeno(1,2,3-cd)pyrene	3.26	0.0944	4.718	0	69.0	39.2	105	3.164	2.89	30	
Dibenz(a,h)anthracene	2.93	0.0944	4.718	0	62.1	35.2	105	2.856	2.47	30	
Benzo(g,h,i)perylene	3.09	0.0944	4.718	0	65.5	37.9	103	2.975	3.79	30	
Surr: 2-Fluorobiphenyl	4.54		4.718		96.2	31.1	114		0		
Surr: Terphenyl-d14	4.28		4.718		90.8	32	137		0		

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **2312375-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **12/19/2023** RunNo: **88541**
Client ID: **BATCH** Batch ID: **42388** Analysis Date: **12/20/2023** SeqNo: **1848933**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.100						0		30	
Fluorene	ND	0.100						0		30	
Phenanthrene	ND	0.100						0		30	
Anthracene	ND	0.100						0		30	
Fluoranthene	ND	0.100						0		30	
Pyrene	ND	0.200						0		30	
Benz(a)anthracene	ND	0.100						0		30	
Chrysene	ND	0.100						0		30	
Benzo(b)fluoranthene	ND	0.100						0		30	
Benzo(k)fluoranthene	ND	0.100						0		30	
Benzo(a)pyrene	ND	0.100						0		30	
Indeno(1,2,3-cd)pyrene	ND	0.100						0		30	
Dibenz(a,h)anthracene	ND	0.100						0		30	
Benzo(g,h,i)perylene	ND	0.100						0		30	
Surr: 2,4,6-Tribromophenol	4.70		5.000		94.0	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.40		2.500		96.1	31.1	114		0		
Surr: Terphenyl-d14	2.37		2.500		95.0	32	137		0		

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-42385**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **12/20/2023**		RunNo: **88536**		
Client ID: **MBLKW**	Batch ID: **42385**					Analysis Date: **12/21/2023**		SeqNo: **1849043**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235									
Aroclor 1221	ND	0.0235									
Aroclor 1232	ND	0.0235									
Aroclor 1242	ND	0.0235									
Aroclor 1248	ND	0.0235									
Aroclor 1254	ND	0.0235									
Aroclor 1260	ND	0.0235									
Aroclor 1262	ND	0.0235									
Aroclor 1268	ND	0.0235									
Total PCBs	ND	0.0235									
Surr: Decachlorobiphenyl	300		470.7		63.6	5	169				
Surr: Tetrachloro-m-xylene	300		470.7		63.7	7.64	118				

Sample ID: **LCS-42385**	SampType: **LCS**			Units: **µg/L**		Prep Date: **12/20/2023**		RunNo: **88536**		
Client ID: **LCSW**	Batch ID: **42385**					Analysis Date: **12/21/2023**		SeqNo: **1849044**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.44	0.0234	2.344	0	61.5	29.7	129				
Aroclor 1260	1.42	0.0234	2.344	0	60.4	25.8	142				
Surr: Decachlorobiphenyl	253		468.9		53.9	5	169				
Surr: Tetrachloro-m-xylene	222		468.9		47.5	7.64	118				

Sample ID: **LCSD-42385**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **12/20/2023**		RunNo: **88536**		
Client ID: **LCSW02**	Batch ID: **42385**					Analysis Date: **12/21/2023**		SeqNo: **1849045**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.39	0.0237	2.369	0	58.6	29.7	129	1.441	3.72	20	
Aroclor 1260	1.36	0.0237	2.369	0	57.5	25.8	142	1.415	3.85	20	
Surr: Decachlorobiphenyl	253		473.7		53.4	5	169		0		
Surr: Tetrachloro-m-xylene	224		473.7		47.2	7.64	118		0		

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCSD-42385**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **12/20/2023**	RunNo: **88536**
Client ID: **LCSW02**	Batch ID: **42385**		Analysis Date: **12/21/2023**	SeqNo: **1849045**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2312452-005ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **12/20/2023**	RunNo: **88536**
Client ID: **BATCH**	Batch ID: **42385**		Analysis Date: **12/21/2023**	SeqNo: **1849047**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235						0		30	
Aroclor 1221	ND	0.0235						0		30	
Aroclor 1232	ND	0.0235						0		30	
Aroclor 1242	ND	0.0235						0		30	
Aroclor 1248	ND	0.0235						0		30	
Aroclor 1254	ND	0.0235						0		30	
Aroclor 1260	ND	0.0235						0		30	
Aroclor 1262	ND	0.0235						0		30	
Aroclor 1268	ND	0.0235						0		30	
Total PCBs	ND	0.0235						0		30	
Surr: Decachlorobiphenyl	328		470.2		69.7	5	169		0		
Surr: Tetrachloro-m-xylene	288		470.2		61.3	7.64	118		0		

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-42425**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **12/22/2023**		RunNo: **88561**		
Client ID: **MBLKW**	Batch ID: **42425**					Analysis Date: **12/22/2023**		SeqNo: **1849412**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-42425**	SampType: **LCS**			Units: **µg/L**		Prep Date: **12/22/2023**		RunNo: **88561**		
Client ID: **LCSW**	Batch ID: **42425**					Analysis Date: **12/22/2023**		SeqNo: **1849413**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.38	0.200	5.000	0	108	85	115				
Arsenic	109	0.500	100.0	0	109	85	115				
Chromium	114	0.750	100.0	0	114	85	115				
Copper	113	2.00	100.0	0	113	85	115				
Lead	53.6	0.500	50.00	0	107	85	115				
Nickel	108	0.500	100.0	0	108	85	115				
Zinc	107	2.50	100.0	0	107	85	115				

Sample ID: **2312443-001ADUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **12/22/2023**		RunNo: **88561**		
Client ID: **BATCH**	Batch ID: **42425**					Analysis Date: **12/22/2023**		SeqNo: **1849415**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	1.32	0.200						1.285	2.76	30	
Arsenic	3.02	0.500						2.911	3.77	30	
Chromium	24.1	0.750						22.65	6.24	30	
Copper	17.3	2.00						17.36	0.144	30	
Lead	54.6	0.500						52.34	4.19	30	
Nickel	14.0	0.500						13.38	4.33	30	

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Date: *12/27/2023*

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R88479**	SampType: **MBLK**			Units: **mg/L**	Prep Date: **12/20/2023**			RunNo: **88479**		
Client ID: **MBLKW**	Batch ID: **R88479**				Analysis Date: **12/20/2023**			SeqNo: **1847810**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R88479**	SampType: **LCS**			Units: **mg/L**	Prep Date: **12/20/2023**			RunNo: **88479**		
Client ID: **LCSW**	Batch ID: **R88479**				Analysis Date: **12/20/2023**			SeqNo: **1847811**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	282	3.00	300.0	0	94.0	65	135				

Sample ID: **2312405-001BDUP**	SampType: **DUP**			Units: **mg/L**	Prep Date: **12/20/2023**			RunNo: **88479**		
Client ID: **BATCH**	Batch ID: **R88479**				Analysis Date: **12/20/2023**			SeqNo: **1847817**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Sample ID: **2312447-002CDUP**	SampType: **DUP**			Units: **mg/L**	Prep Date: **12/20/2023**			RunNo: **88479**		
Client ID: **BATCH**	Batch ID: **R88479**				Analysis Date: **12/20/2023**			SeqNo: **1847838**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Fremont Analytical
An Alliance Technical Group Company

Date: *12/27/2023*

Work Order: 2312468
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R88489**	SampType: **MBLK**			Units: **NTU**		Prep Date: **12/20/2023**		RunNo: **88489**		
Client ID: **MBLKW**	Batch ID: **R88489**					Analysis Date: **12/20/2023**		SeqNo: **1847878**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R88489**	SampType: **LCS**			Units: **NTU**		Prep Date: **12/20/2023**		RunNo: **88489**		
Client ID: **LCSW**	Batch ID: **R88489**					Analysis Date: **12/20/2023**		SeqNo: **1847879**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.7	0.200	10.00	0	107	90	110				

Sample ID: **2312466-001BDUP**	SampType: **DUP**			Units: **NTU**		Prep Date: **12/20/2023**		RunNo: **88489**		
Client ID: **BATCH**	Batch ID: **R88489**					Analysis Date: **12/20/2023**		SeqNo: **1847881**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	4.50	0.200						4.750	5.41	20	

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Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2312468
Logged by:	Brianna Barnes	Date Received:	12/20/2023 12:06:30 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

Item Information

Item #	Temp °C
Sample	9.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Final Report

Job Number: 231180

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103
Project Name: Omega COCID 1902
Project No.:
PO Number:
PWS ID:
Reference No.:

Report Number: 231180R01
Report Date: 12/22/2023

Report Note: Due to the turbidity of the sample the required 0.2MFL sensitivity is not achievable within the LabCor test parameters. If achieving the sensitivity is required, additional grid openings can be analyzed at an additional cost. Please contact the lab for additional information.

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
231180 - S1	2312468-001F - WA Water ID#: 11925363	EPA 100.1 - Asbestos in Water (all sizes)	Several Al, Si Fibers present	12/20/2023	12/20/2023

EPA 100.1 - Asbestos in Water (all sizes)

Preparation and analysis of the above samples was conducted in accordance with the EPA method #100.1. In this method, samples are taken from an affected water supply to measure the amount of asbestos contamination in the system. Samples with known organic interferences are treated with ozone/UV treatment to oxidize any suspended material in the water.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.1 µm, 25 mm mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid and if no ozone/UV treatment was applied, they were etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. Then the samples were coated at high vacuum with a thin layer of carbon. This coated sample was then placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures > 0.5um in length.

Each aliquot was examined at low magnification to determine the best particulate loading for analysis. A sensitivity of 0.2MFL was achieved over forty grid openings or until 100 structures were observed. If the submitted sample was very turbid and the method sensitivity of 0.2MFL was not achievable within LabCor, Inc.'s test parameters, the results were reported based on the analyzable aliquot. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,

x

Shauna Bjornson
Eurofins - LabCor Seattle

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Summary Data - Final Report

Job Number: 231180 SEA
Client: Alliance Technical Group-Fremont Analytical, Inc.
Report Number: 231180R01
Project Name: Omega COCID 1902
Date Received: 12/20/2023

Eurofins Sample No.: S1
Client Sample No.: 2312468-001F - WA Water ID#: 11925363
Filter Fraction: 1
Aliquot Dilution: 1
Begin Volume: 1 ml
Final Dilution: 1
Volume Taken: 1 ml

Sample Area/Mass/Volume (ml) : 800
Lab Filter Area (mm2) : 289.38
Grid Openings Analyzed : 20
Average Grid Opening Area : 0.012
Area Analyzed (mm2) : 0.24
Analytical Sens. (struc/MFL) : 1.206

Analyst(s)	Analysis Date	Microscope	Magnification
SB	12/22/2023	JEOL-Sr 1200	20000

Structure Type	Concen-tration MFL	95% Confidence Interval MFL	Structure Count[1] Prim/Total	
TEM Water >10µm Asbestos Length	< 1.206	0 - 4.448 - Poisson	0	
TEM Water Amphibole - 100.1 Rules	< 1.206	0 - 4.448 - Poisson	0	
TEM Water Chrysotile - 100.1 Rules	61.493	45.786 - 80.853 - Poisson	51	
TEM Water Total - 100.1 Rules	61.493	45.786 - 80.853 - Poisson	51	

Reviewed by:

x
Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 231180 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 231180R01

Project Name: Omega COCID 1902

Project No.:

Date Received: 12/20/2023

Eurofins Sample No: S1

Client Sample No: 2312468-001F

Description: WA Water ID#: 11925363

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G4	1	E32	CDQ	1		Fiber	2.25	0.1	22.5	Chrysotile	Mg, Si		100_1Chry, 100_1Tot
						ItemType	ItemNum				Confirmed	Comment	
						Brightfield	J71570BF						
						Diffraction	J71570DF				SB 12/22/2023	0.53nm ROW SPACING	
						Spectra	J71570SP				SB 12/22/2023	Al from background	
G4	1	E32	CD	2		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G4	1	E32	CD	3		Fiber	2.2	0.1	22	Chrysotile			100_1Chry, 100_1Tot
G4	1	E32	CD	4		Fiber	2.25	0.1	22.5	Chrysotile			100_1Chry, 100_1Tot
G4	2	F31	CD	5		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G4	2	F31	CD	6		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G4	2	F31	CD	7		Bundle	1.2	0.2	6	Chrysotile			100_1Chry, 100_1Tot
G4	3	F42	CD	8		Fiber	2.1	0.1	21	Chrysotile			100_1Chry, 100_1Tot
G4	3	F42	CD	9		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G4	4	G41	CD	10		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G4	4	G41	CD	11		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G4	4	G41	CD	12		Fiber	3	0.12	25	Chrysotile			100_1Chry, 100_1Tot
G4	5	E52	CD	13		Fiber	2.4	0.1	24	Chrysotile			100_1Chry, 100_1Tot
G4	5	E52	CD	14		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G4	5	E52	CD	15		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G4	5	E52	CD	16		Fiber	1.4	0.1	14	Chrysotile			100_1Chry, 100_1Tot
G4	5	E52	CD	17		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G4	5	E52	CD	18		Fiber	2.25	0.1	22.5	Chrysotile			100_1Chry, 100_1Tot
G4	6	F51	CD	19		Fiber	2.1	0.1	21	Chrysotile			100_1Chry, 100_1Tot
G4	6	F51	CD	20		Fiber	2.55	0.1	25.5	Chrysotile			100_1Chry, 100_1Tot
G4	6	F51	CD	21		Bundle	2.5	0.2	12.5	Chrysotile			100_1Chry, 100_1Tot
						ItemType	ItemNum				Confirmed	Comment	
						Diffraction	J71571DF				SB 12/22/2023	0.53nm ROW SPACING	
G4	7	F43	CD	22		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	F44	CD	23		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	F44	CD	24		Bundle	2.6	0.2	13	Chrysotile			100_1Chry, 100_1Tot
G5	8	F44	CD	25		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	F44	CD	26		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G5	8	F44	CD	27		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	F44	CD	28		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	9	G43	CD	29		Bundle	2.3	0.2	11.5	Chrysotile			100_1Chry, 100_1Tot
G5	9	G43	CD	30		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G5	10	G51	CD	31		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G5	10	G51	CD	32		Fiber	1.8	0.1	18	Chrysotile			100_1Chry, 100_1Tot
G5	10	G51	CD	33		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot

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Phone: (206) 781-0155
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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 231180 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 231180R01

Eurofins Sample No: S1

Client Sample No: 2312468-001F

Description: WA Water ID#: 11925363

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G5	10	G51	CD	34		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	10	G51	CD	35		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G5	11	F34	CD	36		Fiber	2.3	0.1	23	Chrysotile			100_1Chry, 100_1Tot
G5	11	F34	CD	37		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G5	11	F34	CD	38		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G5	12	G33	CD	39		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	13	B34	CD	40		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	13	B34	CD	41		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	14	C33	CD	42		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G5	14	C33	CD	43		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	14	C33	CD	44		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	15	E42	CD	45		Fiber	0.8	0.12	6.7	Chrysotile			100_1Chry, 100_1Tot
G6	16	F41	CD	46		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G6	16	F41	CD	47		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G6	17	E33	CD	48		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G6	18	E44	CD	49		Fiber	2.2	0.1	22	Chrysotile			100_1Chry, 100_1Tot
G6	19	F51				NSD							
G6	20	F53	CD	50		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	20	F53	CD	51		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot

Count Categories

100_1Amph	TEM Water Amphibole - 100.1 Rules	100_1Chry	TEM Water Chrysotile - 100.1 Rules	100_1Tot	TEM Water Total - 100.1 Rules
Asb>10	TEM Water >10µm Asbestos Length				

Reviewed by:

x Shauna Bjornson

Shauna Bjornson
Eurofins - LabCor Seattle

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 12-20-2023 Page: 1 of: 1

Laboratory Project No (internal): 2312467

Project Name: Anacortes Demo Project

Special Remarks:

Client: 3 Kings Enviromental

Project No: 223060

Address: P.O. Box 280

Collected by: Tom King

City, State, Zip: Battle Ground WA 98604

Location: Mt Vernon WA

Telephone: 360-921-8702

Report To (PM): Jason Hawks

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3KingsInc.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	RCRA 8 Metals	TPH-Dx / TPH-Gx (8260)	1332-21-4	Comments
1	BATCH-04-12202023	12-20	10AM	W	6							X	X	X			X	X	X	X	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas King	Thomas King	12-20-23 1200 N	x	Nate Ings	12/20/23 12:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2312599

January 04, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 12/29/2023 for the analyses presented in the following report.

Mercury by Method 1631E
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *01/04/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2312599

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2312599-001	Batch-05-12292023	12/29/2023 10:00 AM	12/29/2023 10:23 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2312599**
Date: **1/4/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2312599-001F
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2312599-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2312599-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers & Acronyms

WO#: **2312599**

Date Reported: **1/4/2024**

Client: 3 Kings Environmental
Collection Date: 12/29/2023 10:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2312599-001
Matrix: Water
Client Sample ID: **Batch-05-12292023**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 42502		Analyst: SK
Aroclor 1016	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1221	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1232	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1242	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1248	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1254	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1260	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1262	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Aroclor 1268	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Total PCBs	ND	0.0236		µg/L	1	1/3/2024 3:49:57 PM
Surr: Decachlorobiphenyl	74.7	5 - 169		%Rec	1	1/3/2024 3:49:57 PM
Surr: Tetrachloro-m-xylene	78.1	7.64 - 118		%Rec	1	1/3/2024 3:49:57 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 42492		Analyst: RG
Acenaphthene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Fluorene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Phenanthrene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Anthracene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Fluoranthene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Pyrene	ND	0.191		µg/L	1	1/4/2024 1:06:42 PM
Benz(a)anthracene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Chrysene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Benzo(b)fluoranthene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Benzo(k)fluoranthene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Benzo(a)pyrene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Indeno(1,2,3-cd)pyrene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Dibenz(a,h)anthracene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Benzo(g,h,i)perylene	ND	0.0954		µg/L	1	1/4/2024 1:06:42 PM
Surr: 2-Fluorobiphenyl	83.6	31.1 - 114		%Rec	1	1/4/2024 1:06:42 PM
Surr: Terphenyl-d14	130	32 - 137		%Rec	1	1/4/2024 1:06:42 PM
Mercury by Method 1631E				Batch ID: 42513		Analyst: ME
Mercury	ND	0.500	Q	ng/L	1	1/3/2024 5:01:14 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2312599**
Date Reported: **1/4/2024**

Client: 3 Kings Environmental
Collection Date: 12/29/2023 10:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2312599-001
Matrix: Water
Client Sample ID: **Batch-05-12292023**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 42515		Analyst: JR
Antimony	16.1	0.200		µg/L	1	1/4/2024 3:43:00 PM
Arsenic	2.86	0.500		µg/L	1	1/4/2024 3:43:00 PM
Chromium	ND	0.750		µg/L	1	1/4/2024 3:43:00 PM
Copper	ND	2.00		µg/L	1	1/4/2024 3:43:00 PM
Lead	0.877	0.500	B	µg/L	1	1/4/2024 3:43:00 PM
Nickel	0.753	0.500		µg/L	1	1/4/2024 3:43:00 PM
Zinc	15.4	2.50		µg/L	1	1/4/2024 3:43:00 PM
pH by SM 4500H+B				Batch ID: R88740		Analyst: NR
Hydrogen Ion (pH)	7.40		H	pH	1	12/29/2023 1:16:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R88707		Analyst: FG
Total Suspended Solids	4.00	3.00		mg/L	1	1/3/2024 11:22:11 AM
Turbidity by EPA Method 180.1				Batch ID: R88749		Analyst: NR
Turbidity	1.42	0.200		NTU	1	12/29/2023 1:10:00 PM

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R88740**	SampType: **MBLK**	Units: **pH**	Prep Date: **12/29/2023**	RunNo: **88740**
Client ID: **MBLKW**	Batch ID: **R88740**		Analysis Date: **12/29/2023**	SeqNo: **1853853**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.40										

Sample ID: **LCS-R88740**	SampType: **LCS**	Units: **pH**	Prep Date: **12/29/2023**	RunNo: **88740**
Client ID: **LCSW**	Batch ID: **R88740**		Analysis Date: **12/29/2023**	SeqNo: **1853854**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.10		7.000	0	101	95	105				

Sample ID: **2312599-001EDUP**	SampType: **DUP**	Units: **pH**	Prep Date: **12/29/2023**	RunNo: **88740**
Client ID: **Batch-05-12292023**	Batch ID: **R88740**		Analysis Date: **12/29/2023**	SeqNo: **1853856**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.43							7.400	0.405	10	H

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R88707**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **MBLKW**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853296**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R88707**	SampType: **LCS**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **LCSW**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853297**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	305	3.00	300.0	0	102	65	135				

Sample ID: **2312579-001CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **BATCH**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853807**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	4.00	3.00						7.000	54.5	30	

Sample ID: **2401027-001EDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **BATCH**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853818**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R88749**	SampType: **MBLK**	Units: **NTU**	Prep Date: **12/29/2023**	RunNo: **88749**
Client ID: **MBLKW**	Batch ID: **R88749**		Analysis Date: **12/29/2023**	SeqNo: **1853997**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R88749**	SampType: **LCS**	Units: **NTU**	Prep Date: **12/29/2023**	RunNo: **88749**
Client ID: **LCSW**	Batch ID: **R88749**		Analysis Date: **12/29/2023**	SeqNo: **1853998**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	9.70	0.200	10.00	0	97.0	90	110				

Sample ID: **2312599-001EDUP**	SampType: **DUP**	Units: **NTU**	Prep Date: **12/29/2023**	RunNo: **88749**
Client ID: **Batch-05-12292023**	Batch ID: **R88749**		Analysis Date: **12/29/2023**	SeqNo: **1854000**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	1.45	0.200						1.420	2.09	20	

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **LCS-42513**	SampType: **LCS**			Units: **ng/L**		Prep Date: **1/3/2024**		RunNo: **88763**	
Client ID: **LCSW**	Batch ID: **42513**					Analysis Date: **1/3/2024**		SeqNo: **1854386**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	4.90	0.500	5.000	0	98.0	77	123			

Sample ID: **MB-42513**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **1/3/2024**		RunNo: **88763**	
Client ID: **MBLKW**	Batch ID: **42513**					Analysis Date: **1/3/2024**		SeqNo: **1854280**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.500								

Sample ID: **MB 2**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **1/3/2024**		RunNo: **88763**	
Client ID: **MBLKW**	Batch ID: **42513**					Analysis Date: **1/3/2024**		SeqNo: **1854281**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.500								

Sample ID: **MB 3**	SampType: **MBLK**			Units: **ng/L**		Prep Date: **1/3/2024**		RunNo: **88763**	
Client ID: **MBLKW**	Batch ID: **42513**					Analysis Date: **1/3/2024**		SeqNo: **1854282**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.500								

Sample ID: **2312456-001CDUP**	SampType: **DUP**			Units: **ng/L**		Prep Date: **1/3/2024**		RunNo: **88763**	
Client ID: **BATCH**	Batch ID: **42513**					Analysis Date: **1/3/2024**		SeqNo: **1854284**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.500						0	24	

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **2312456-001CMS** SampType: **MS** Units: **ng/L** Prep Date: **1/3/2024** RunNo: **88763**
Client ID: **BATCH** Batch ID: **42513** Analysis Date: **1/3/2024** SeqNo: **1854285**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.639	0.500	5.000	0	12.8	71	125				S

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **2312456-001CMSD** SampType: **MSD** Units: **ng/L** Prep Date: **1/3/2024** RunNo: **88763**
Client ID: **BATCH** Batch ID: **42513** Analysis Date: **1/3/2024** SeqNo: **1854286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500	5.000	0	6.20	71	125	0.6390	69.3	24	S

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-42515**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **MBLKW**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854418**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	0.949	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-42515**	SampType: **LCS**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **LCSW**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854450**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.59	0.200	5.000	0	112	85	115				
Arsenic	110	0.500	100.0	0	110	85	115				
Chromium	114	0.750	100.0	0	114	85	115				
Copper	112	2.00	100.0	0	112	85	115				
Lead	50.3	0.500	50.00	0	101	85	115				
Nickel	107	0.500	100.0	0	107	85	115				
Zinc	109	2.50	100.0	0	109	85	115				

Sample ID: **2312599-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **Batch-05-12292023**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854428**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	15.7	0.200						16.14	2.60	30	
Arsenic	2.83	0.500						2.861	1.05	30	
Chromium	ND	0.750						0		30	
Copper	ND	2.00						0		30	
Lead	0.851	0.500						0.8770	3.01	30	B
Nickel	0.750	0.500						0.7530	0.399	30	
Zinc	15.3	2.50						15.37	0.385	30	

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2312599-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **Batch-05-12292023**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854428**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2312599-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **Batch-05-12292023**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854429**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	20.8	0.200	5.000	16.14	93.4	70	130				
Arsenic	109	0.500	100.0	2.861	106	70	130				
Chromium	109	0.750	100.0	0.6880	109	70	130				
Copper	107	2.00	100.0	1.078	106	70	130				
Lead	51.7	0.500	50.00	0.8770	102	70	130				
Nickel	104	0.500	100.0	0.7530	103	70	130				
Zinc	116	2.50	100.0	15.37	101	70	130				

Sample ID: **2312602-001DMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **BATCH**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854431**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.86	0.200	5.000	0.2370	113	70	130				
Arsenic	108	0.500	100.0	0.9290	107	70	130				
Chromium	106	0.750	100.0	0.2660	106	70	130				
Copper	109	2.00	100.0	5.008	104	70	130				
Lead	53.8	0.500	50.00	4.085	99.4	70	130				
Nickel	121	0.500	100.0	20.31	101	70	130				
Zinc	31,800	2.50	100.0	33,220	-1,460	70	130				ES

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-42492** SampType: **MBLK** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **MBLKW** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854238**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0946									
Fluorene	ND	0.0946									
Phenanthrene	ND	0.0946									
Anthracene	ND	0.0946									
Fluoranthene	ND	0.0946									
Pyrene	ND	0.189									
Benz(a)anthracene	ND	0.0946									
Chrysene	ND	0.0946									
Benzo(b)fluoranthene	ND	0.0946									
Benzo(k)fluoranthene	ND	0.0946									
Benzo(a)pyrene	ND	0.0946									
Indeno(1,2,3-cd)pyrene	ND	0.0946									
Dibenz(a,h)anthracene	ND	0.0946									
Benzo(g,h,i)perylene	ND	0.0946									
Surr: 2,4,6-Tribromophenol	3.69		4.728		78.0	31.3	143				
Surr: 2-Fluorobiphenyl	2.14		2.364		90.4	31.1	114				
Surr: Terphenyl-d14	3.08		2.364		130	32	137				

Sample ID: **LCS-42492** SampType: **LCS** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.94	0.0947	4.735	0	83.3	38	106				
Fluorene	4.41	0.0947	4.735	0	93.2	42.9	109				
Phenanthrene	4.31	0.0947	4.735	0	90.9	44	109				
Anthracene	4.07	0.0947	4.735	0	85.9	38.2	107				
Fluoranthene	5.97	0.0947	4.735	0	126	47.3	115				S
Pyrene	6.05	0.189	4.735	0	128	46.8	114				S
Benz(a)anthracene	7.38	0.0947	4.735	0	156	48	123				S
Chrysene	4.32	0.0947	4.735	0	91.1	45.2	105				
Benzo(b)fluoranthene	4.22	0.0947	4.735	0	89.2	46.2	111				

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-42492** SampType: **LCS** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(k)fluoranthene	3.68	0.0947	4.735	0	77.6	44.5	105				
Benzo(a)pyrene	3.90	0.0947	4.735	0	82.4	41.6	108				
Indeno(1,2,3-cd)pyrene	2.68	0.0947	4.735	0	56.7	39.2	105				
Dibenz(a,h)anthracene	2.25	0.0947	4.735	0	47.4	35.2	105				
Benzo(g,h,i)perylene	2.83	0.0947	4.735	0	59.7	37.9	103				
Surr: 2,4,6-Tribromophenol	4.03		4.735		85.2	31.3	143				
Surr: 2-Fluorobiphenyl	2.06		2.368		86.9	31.1	114				
Surr: Terphenyl-d14	2.89		2.368		122	32	137				

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: **LCSD-42492** SampType: **LCSD** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW02** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.96	0.0942	4.708	0	84.1	38	106	3.945	0.322	30	
Fluorene	4.37	0.0942	4.708	0	92.8	42.9	109	4.412	1.04	30	
Phenanthrene	4.33	0.0942	4.708	0	92.1	44	109	4.306	0.658	30	
Anthracene	4.12	0.0942	4.708	0	87.5	38.2	107	4.065	1.37	30	
Fluoranthene	5.93	0.0942	4.708	0	126	47.3	115	5.971	0.681	30	S
Pyrene	5.99	0.188	4.708	0	127	46.8	114	6.051	0.960	30	S
Benz(a)anthracene	7.33	0.0942	4.708	0	156	48	123	7.385	0.708	30	S
Chrysene	4.39	0.0942	4.708	0	93.3	45.2	105	4.315	1.73	30	
Benzo(b)fluoranthene	4.49	0.0942	4.708	0	95.4	46.2	111	4.225	6.14	30	
Benzo(k)fluoranthene	3.78	0.0942	4.708	0	80.2	44.5	105	3.675	2.73	30	
Benzo(a)pyrene	4.11	0.0942	4.708	0	87.3	41.6	108	3.904	5.09	30	
Indeno(1,2,3-cd)pyrene	2.94	0.0942	4.708	0	62.5	39.2	105	2.685	9.19	30	
Dibenz(a,h)anthracene	2.50	0.0942	4.708	0	53.2	35.2	105	2.247	10.9	30	
Benzo(g,h,i)perylene	2.84	0.0942	4.708	0	60.3	37.9	103	2.827	0.468	30	
Surr: 2,4,6-Tribromophenol	3.92		4.708		83.3	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.05		2.354		87.1	31.1	114		0		
Surr: Terphenyl-d14	2.92		2.354		124	32	137		0		

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-42492**	SampType: **LCSD**		Units: **µg/L**	Prep Date: **1/2/2024**		RunNo: **88761**
Client ID: **LCSW02**	Batch ID: **42492**			Analysis Date: **1/4/2024**		SeqNo: **1854243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Work Order: 2312599
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-42502** SampType: **MBLK** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **MBLKW** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235									
Aroclor 1221	ND	0.0235									
Aroclor 1232	ND	0.0235									
Aroclor 1242	ND	0.0235									
Aroclor 1248	ND	0.0235									
Aroclor 1254	ND	0.0235									
Aroclor 1260	ND	0.0235									
Aroclor 1262	ND	0.0235									
Aroclor 1268	ND	0.0235									
Total PCBs	ND	0.0235									
Surr: Decachlorobiphenyl	368		469.3		78.4	5	169				
Surr: Tetrachloro-m-xylene	258		469.3		55.0	7.64	118				

Sample ID: **LCS-42502** SampType: **LCS** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **LCSW** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854004**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.03	0.0235	2.350	0	86.2	29.7	129				
Aroclor 1260	2.24	0.0235	2.350	0	95.4	25.8	142				
Surr: Decachlorobiphenyl	466		469.9		99.1	5	169				
Surr: Tetrachloro-m-xylene	325		469.9		69.1	7.64	118				

Sample ID: **LCSD-42502** SampType: **LCSD** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **LCSW02** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.15	0.0236	2.359	0	91.2	29.7	129	2.025	6.11	20	
Aroclor 1260	2.23	0.0236	2.359	0	94.3	25.8	142	2.242	0.753	20	
Surr: Decachlorobiphenyl	412		471.8		87.2	5	169		0		
Surr: Tetrachloro-m-xylene	323		471.8		68.5	7.64	118		0		

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Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2312599
Logged by:	Morgan Wilson	Date Received:	12/29/2023 10:23:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	11.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Final Report

Job Number: 231214
Client: Alliance Technical Group-Fremont Analytical, Inc.
Address: 3600 Fremont Ave N
Seattle, WA 98103
Project Name:
Project No.: COCID 1911
PO Number:
PWS ID:
Reference No.:

Report Number: 231214R01
Report Date: 1/3/2024

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
231214 - S1	2312599-001F - WA Water ID#: 11925364	EPA 100.1 - Asbestos in Water (all sizes)		12/29/2023	12/29/2023

EPA 100.1 - Asbestos in Water (all sizes)

Preparation and analysis of the above samples was conducted in accordance with the EPA method #100.1. In this method, samples are taken from an affected water supply to measure the amount of asbestos contamination in the system. Samples with known organic interferences are treated with ozone/UV treatment to oxidize any suspended material in the water.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.1 µm, 25 mm mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid and if no ozone/UV treatment was applied, they were etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. Then the samples were coated at high vacuum with a thin layer of carbon. This coated sample was then placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures > 0.5um in length.

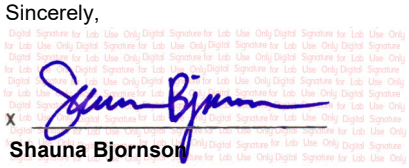
Each aliquot was examined at low magnification to determine the best particulate loading for analysis. A sensitivity of 0.2MFL was achieved over forty grid openings or until 100 structures were observed. If the submitted sample was very turbid and the method sensitivity of 0.2MFL was not achievable within LabCor, Inc.'s test parameters, the results were reported based on the analyzable aliquot. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer

The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,



Shauna Bjornson
Eurofins - LabCor Seattle

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Seattle, WA 98117
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EPA 100.1 - Asbestos in Water (all sizes) Summary Data - Final Report

Job Number: 231214 SEA

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 231214R01

Project Name:

Date Received: 12/29/2023

Eurofins Sample No.: S1

Client Sample No.: 2312599-001F - WA Water ID#: 11925364

Filter Fraction: 1

Aliquot Dilution: 1

Begin Volume: 5 ml

Final Dilution: 1

Volume Taken: 5 ml

Sample Area/Mass/Volume (ml) : 800

Lab Filter Area (mm2) : 289.38

Grid Openings Analyzed : 12

Average Grid Opening Area : 0.012

Area Analyzed (mm2) : 0.144

Analytical Sens. (struc/MFL) : 0.402

Analyst(s)	Analysis Date	Microscope	Magnification
SB	1/3/2024	JEOL-Sr 1200	20000

Structure Type	Concen-tration MFL	95% Confidence Interval MFL	Structure Count[1] Prim/Total	
TEM Water >10µm Asbestos Length	< 0.402	0 - 1.483 - Poisson	0	
TEM Water Amphibole - 100.1 Rules	2.813	1.131 - 5.797 - Poisson	7	
TEM Water Chrysotile - 100.1 Rules	38.986	31.614 - 47.563 - Poisson	97	
TEM Water Total - 100.1 Rules	41.799	34.153 - 50.658 - Poisson	104	

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 231214 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 231214R01

Project Name:

Date Received: 12/29/2023

Project No.: COCID 1911

Eurofins Sample No: S1

Client Sample No: 2312599-001F

Description: WA Water ID#: 11925364

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	1	F42	CDQ	1		Fiber	1	0.1	10	Chrysotile	Mg, Si		100_1Chry, 100_1Tot

ItemType	ItemNum	Confirmed	Comment
Brightfield	J71586BF		
Diffraction	J71586DF	SB 1/3/2024	0.53nm ROW SPACING
Spectra	J71586SP	SB 1/3/2024	

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	1	F42	CD	2		Fiber	2.5	0.08	31.2	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CM	3		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	4		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	5		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	6		Fiber	2	0.2	10	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	7		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	8		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	9		Bundle	1	0.15	6.7	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	10		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	11		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	12		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G7	1	F42	CD	13		Fiber	1.2	0.08	15	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CD	14		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CD	15		Fiber	2.25	0.1	22.5	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CM	16		Fiber	1.8	0.1	18	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CM	17		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CMQ	18		Bundle	1.2	0.2	6	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CM	19		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CM	20		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	CM	21		Fiber	2.8	0.1	28	Chrysotile			100_1Chry, 100_1Tot
G7	2	G41	ADQ	22		Fiber	6.2	0.4	15.5	Tremolite	Mg, Al, Si, Ca, Fe		100_1Amph, 100_1Tot

ItemType	ItemNum	Confirmed	Comment
Brightfield	J71587BF		
Diffraction	J71587DF	SB 1/3/2024	0.53nm ROW SPACING
Spectra	J71587SP	SB 1/3/2024	

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	2	G41	AD	23		Fiber	2.2	0.2	11	Tremolite			100_1Amph, 100_1Tot
G7	2	G41	CM	24		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CD	25		Bundle	1.2	0.2	6	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CM	26		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CM	27		Fiber	1	0.08	12.5	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CD	28		Fiber	1.2	0.15	8	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CM	29		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CM	30		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CM	31		Fiber	1	0.08	12.5	Chrysotile			100_1Chry, 100_1Tot

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 231214 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 231214R01

Eurofins Sample No: S1

Client Sample No: 2312599-001F

Description: WA Water ID#: 11925364

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	3	G33	CM	32		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CD	33		Fiber	3.2	0.13	24.6	Chrysotile			100_1Chry, 100_1Tot
G7	3	G33	CD	34		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G7	4	E41	CD	35		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	4	E41	CM	36		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	4	E41	CD	37		Fiber	1.4	0.08	17.5	Chrysotile			100_1Chry, 100_1Tot
G7	4	E41	AD	38		Fiber	1.2	0.12	10	Tremolite			100_1Amph, 100_1Tot
G7	4	E41	CD	39		Fiber	1.3	0.1	13	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CM	40		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CM	41		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CM	42		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CD	43		Fiber	2	0.12	16.7	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CM	44		Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CM	45		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	CM	46		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	5	C34	AD	47		Fiber	1.2	0.22	5.5	Tremolite			100_1Amph, 100_1Tot
G8	6	E33	CM	48		Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G8	6	E33	CM	49		Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G8	6	E33	CM	50		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	6	E33	CM	51		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	6	E33	CM	52		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	6	E33	CM	53		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G8	6	E33	CMQ	54		Fiber	3.2	0.2	16	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CD	55		Fiber	1.2	0.08	15	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CM	56		Fiber	0.8	0.07	11.4	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	ADQ	57		Fiber	1.2	0.2	6	Tremolite			100_1Amph, 100_1Tot
G8	7	E42	CM	58		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CM	59		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CD	60		Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CM	61		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CM	62		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G8	7	E42	CD	63		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CD	64		Fiber	0.6	0.11	5.5	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CM	65		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CD	66		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CM	67		Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CD	68		Fiber	1.8	0.08	22.5	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	AQ	69		Fiber	2	0.2	10	Tremolite			100_1Amph, 100_1Tot
G8	8	F41	CM	70		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CM	71		Fiber	1.2	0.08	15	Chrysotile			100_1Chry, 100_1Tot
G8	8	F41	CD	72		Fiber	1.2	0.12	10	Chrysotile			100_1Chry, 100_1Tot

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 231214 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc. **Report Number:** 231214R01

Eurofins Sample No: S1

Client Sample No: 2312599-001F

Description: WA Water ID#: 11925364

Gr	No.	Loc.	ID	Prim Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G8	8	F41	CM	73	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CM	74	Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CD	75	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CD	76	Fiber	2.2	0.12	18.3	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CM	77	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CD	78	Fiber	1.2	0.08	15	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CM	79	Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CQ	80	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G9	9	C34	CM	81	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CD	82	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CM	83	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CM	84	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CM	85	Fiber	1	0.08	12.5	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CM	86	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CM	87	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	CM	88	Fiber	1.3	0.1	13	Chrysotile			100_1Chry, 100_1Tot
G9	10	F43	AMQ	89	Fiber	2.2	0.4	5.5	Tremolite			100_1Amph, 100_1Tot
G9	10	F43	CM	90	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G9	11	E52	CD	91	Fiber	0.51	0.08	6.4	Chrysotile			100_1Chry, 100_1Tot
G9	11	E52	CM	92	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G9	11	E52	CM	93	Fiber	2	0.12	16.7	Chrysotile			100_1Chry, 100_1Tot
G9	11	E52	CM	94	Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G9	11	E52	CM	95	Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G9	11	E52	CM	96	Fiber	0.55	0.1	5.5	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	97	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	98	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	99	Fiber	1.4	0.1	14	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CD	100	Fiber	2.6	0.1	26	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	101	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	102	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	103	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G9	12	F51	CM	104	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 231214 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 231214R01

Count Categories					
100_1Amph	TEM Water Amphibole - 100.1 Rules	100_1Chry	TEM Water Chrysotile - 100.1 Rules	100_1Tot	TEM Water Total - 100.1 Rules
Asb>10	TEM Water >10µm Asbestos Length				

Reviewed by:

x _____

Shauna Bjornson
Eurofins - LabCor Seattle

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 12-29-23 Page: 1 of: 1

Laboratory Project No (internal): 2312599

Project Name: ANACORTES Demo Project

Special Remarks:

Client: 3 KINGS ENVIRONMENTAL

Project No: 223060

Address: PO BOX 280

Collected by: Tom King

City, State, Zip: BATTLE GROUND WA 98604

Location: MT VERNON

Telephone: 360-921-8702

Report To (PM): JASON HAWKS

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKING@3KINGSINC.COM

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos 1332-21-4	Turbidity	TSS	LL-Hg	Comments
1 BATCH-05-12292023	12-29	10 AM	W	6						X	X	X				X	X	X	X		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas V. King	Thomas King	12-29-23 1023	x	12-29-23	1023
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2401027

January 08, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 1/3/2024 for the analyses presented in the following report.

Mercury by Method 1631E
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *01/08/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2401027

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2401027-001	Batch 06-01-032024	01/03/2024 7:00 AM	01/03/2024 10:30 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2401027**
Date: **1/8/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2401027-001F
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2401027-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2401027-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Associated LCS is outside of control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Method Detection Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2401027**
Date Reported: **1/8/2024**

Client: 3 Kings Environmental
Collection Date: 1/3/2024 7:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2401027-001
Matrix: Water
Client Sample ID: **Batch 06-01-032024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 42502		Analyst: SK
Aroclor 1016	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1221	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1232	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1242	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1248	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1254	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1260	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1262	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Aroclor 1268	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Total PCBs	ND	0.0248		µg/L	1	1/4/2024 2:40:29 PM
Surr: Decachlorobiphenyl	84.3	5 - 169		%Rec	1	1/4/2024 2:40:29 PM
Surr: Tetrachloro-m-xylene	75.8	7.64 - 118		%Rec	1	1/4/2024 2:40:29 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 42492		Analyst: RG
Acenaphthene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Fluorene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Phenanthrene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Anthracene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Fluoranthene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Pyrene	ND	0.189		µg/L	1	1/5/2024 3:12:35 AM
Benz(a)anthracene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Chrysene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Benzo(b)fluoranthene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Benzo(k)fluoranthene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Benzo(a)pyrene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Indeno(1,2,3-cd)pyrene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Dibenz(a,h)anthracene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Benzo(g,h,i)perylene	ND	0.0943		µg/L	1	1/5/2024 3:12:35 AM
Surr: 2-Fluorobiphenyl	96.8	31.1 - 114		%Rec	1	1/5/2024 3:12:35 AM
Surr: Terphenyl-d14	133	32 - 137		%Rec	1	1/5/2024 3:12:35 AM
Mercury by Method 1631E				Batch ID: 42513		Analyst: ME
Mercury	ND	0.500	Q	ng/L	1	1/3/2024 5:06:03 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2401027**
Date Reported: **1/8/2024**

Client: 3 Kings Environmental
Collection Date: 1/3/2024 7:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2401027-001
Matrix: Water
Client Sample ID: **Batch 06-01-032024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 42515		Analyst: JR
Antimony	16.4	0.200		µg/L	1	1/4/2024 4:58:00 PM
Arsenic	2.64	0.500		µg/L	1	1/4/2024 4:58:00 PM
Chromium	ND	0.750		µg/L	1	1/4/2024 4:58:00 PM
Copper	ND	2.00		µg/L	1	1/4/2024 4:58:00 PM
Lead	0.775	0.500	B	µg/L	1	1/4/2024 4:58:00 PM
Nickel	1.04	0.500		µg/L	1	1/4/2024 4:58:00 PM
Zinc	14.5	2.50		µg/L	1	1/4/2024 4:58:00 PM
pH by SM 4500H+B				Batch ID: R88748		Analyst: NR
Hydrogen Ion (pH)	7.57		H	pH	1	1/3/2024 2:00:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R88707		Analyst: FG
Total Suspended Solids	ND	3.00		mg/L	1	1/3/2024 11:22:11 AM
Turbidity by EPA Method 180.1				Batch ID: R88751		Analyst: NR
Turbidity	1.29	0.200		NTU	1	1/3/2024 2:06:00 PM

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **LCS-42513**	SampType: **LCS**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **LCSW**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854386**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	4.90	0.500	5.000	0	98.0	77	123				

Sample ID: **MB-42513**	SampType: **MBLK**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **MBLKW**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854280**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB 2**	SampType: **MBLK**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **MBLKW**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854281**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **MB 3**	SampType: **MBLK**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **MBLKW**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500									

Sample ID: **2312456-001CDUP**	SampType: **DUP**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **BATCH**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854284**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500						0		24	

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by Method 1631E

Sample ID: **2312456-001CMS**	SampType: **MS**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **BATCH**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854285**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.639	0.500	5.000	0	12.8	71	125				S

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **2312456-001CMSD**	SampType: **MSD**	Units: **ng/L**	Prep Date: **1/3/2024**	RunNo: **88763**
Client ID: **BATCH**	Batch ID: **42513**		Analysis Date: **1/3/2024**	SeqNo: **1854286**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.500	5.000	0	6.20	71	125	0.6390	69.3	24	S

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Work Order: 2401027
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QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R88748**	SampType: **MBLK**	Units: **pH**	Prep Date: **1/3/2024**	RunNo: **88748**
Client ID: **MBLKW**	Batch ID: **R88748**		Analysis Date: **1/3/2024**	SeqNo: **1853979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.51										

Sample ID: **LCS-R88748**	SampType: **LCS**	Units: **pH**	Prep Date: **1/3/2024**	RunNo: **88748**
Client ID: **LCSW**	Batch ID: **R88748**		Analysis Date: **1/3/2024**	SeqNo: **1853980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.08		7.000	0	101	95	105				

Sample ID: **2401027-001EDUP**	SampType: **DUP**	Units: **pH**	Prep Date: **1/3/2024**	RunNo: **88748**
Client ID: **Batch 06-01-032024**	Batch ID: **R88748**		Analysis Date: **1/3/2024**	SeqNo: **1853982**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.58							7.570	0.132	10	H

Work Order: 2401027
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QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-42492** SampType: **MBLK** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **MBLKW** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854238**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0946									
Fluorene	ND	0.0946									
Phenanthrene	ND	0.0946									
Anthracene	ND	0.0946									
Fluoranthene	ND	0.0946									
Pyrene	ND	0.189									
Benz(a)anthracene	ND	0.0946									
Chrysene	ND	0.0946									
Benzo(b)fluoranthene	ND	0.0946									
Benzo(k)fluoranthene	ND	0.0946									
Benzo(a)pyrene	ND	0.0946									
Indeno(1,2,3-cd)pyrene	ND	0.0946									
Dibenz(a,h)anthracene	ND	0.0946									
Benzo(g,h,i)perylene	ND	0.0946									
Surr: 2,4,6-Tribromophenol	3.69		4.728		78.0	31.3	143				
Surr: 2-Fluorobiphenyl	2.14		2.364		90.4	31.1	114				
Surr: Terphenyl-d14	3.08		2.364		130	32	137				

Sample ID: **LCS-42492** SampType: **LCS** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.94	0.0947	4.735	0	83.3	38	106				
Fluorene	4.41	0.0947	4.735	0	93.2	42.9	109				
Phenanthrene	4.31	0.0947	4.735	0	90.9	44	109				
Anthracene	4.07	0.0947	4.735	0	85.9	38.2	107				
Fluoranthene	5.97	0.0947	4.735	0	126	47.3	115				S
Pyrene	6.05	0.189	4.735	0	128	46.8	114				S
Benz(a)anthracene	7.38	0.0947	4.735	0	156	48	123				S
Chrysene	4.32	0.0947	4.735	0	91.1	45.2	105				

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-42492** SampType: **LCS** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	4.22	0.0947	4.735	0	89.2	46.2	111				
Benzo(k)fluoranthene	3.68	0.0947	4.735	0	77.6	44.5	105				
Benzo(a)pyrene	3.90	0.0947	4.735	0	82.4	41.6	108				
Indeno(1,2,3-cd)pyrene	2.68	0.0947	4.735	0	56.7	39.2	105				
Dibenz(a,h)anthracene	2.25	0.0947	4.735	0	47.4	35.2	105				
Benzo(g,h,i)perylene	2.83	0.0947	4.735	0	59.7	37.9	103				
Surr: 2,4,6-Tribromophenol	4.03		4.735		85.2	31.3	143				
Surr: 2-Fluorobiphenyl	2.06		2.368		86.9	31.1	114				
Surr: Terphenyl-d14	2.89		2.368		122	32	137				

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: **LCSD-42492** SampType: **LCSD** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW02** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.96	0.0942	4.708	0	84.1	38	106	3.945	0.322	30	
Fluorene	4.37	0.0942	4.708	0	92.8	42.9	109	4.412	1.04	30	
Phenanthrene	4.33	0.0942	4.708	0	92.1	44	109	4.306	0.658	30	
Anthracene	4.12	0.0942	4.708	0	87.5	38.2	107	4.065	1.37	30	
Fluoranthene	5.93	0.0942	4.708	0	126	47.3	115	5.971	0.681	30	S
Pyrene	5.99	0.188	4.708	0	127	46.8	114	6.051	0.960	30	S
Benz(a)anthracene	7.33	0.0942	4.708	0	156	48	123	7.385	0.708	30	S
Chrysene	4.39	0.0942	4.708	0	93.3	45.2	105	4.315	1.73	30	
Benzo(b)fluoranthene	4.49	0.0942	4.708	0	95.4	46.2	111	4.225	6.14	30	
Benzo(k)fluoranthene	3.78	0.0942	4.708	0	80.2	44.5	105	3.675	2.73	30	
Benzo(a)pyrene	4.11	0.0942	4.708	0	87.3	41.6	108	3.904	5.09	30	
Indeno(1,2,3-cd)pyrene	2.94	0.0942	4.708	0	62.5	39.2	105	2.685	9.19	30	
Dibenz(a,h)anthracene	2.50	0.0942	4.708	0	53.2	35.2	105	2.247	10.9	30	
Benzo(g,h,i)perylene	2.84	0.0942	4.708	0	60.3	37.9	103	2.827	0.468	30	
Surr: 2,4,6-Tribromophenol	3.92		4.708		83.3	31.3	143		0		

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-42492** SampType: **LCSD** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **LCSW02** Batch ID: **42492** Analysis Date: **1/4/2024** SeqNo: **1854243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	2.05		2.354		87.1	31.1	114		0		
Surr: Terphenyl-d14	2.92		2.354		124	32	137		0		

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: **2312569-001D DUP** SampType: **DUP** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88761**
Client ID: **BATCH** Batch ID: **42492** Analysis Date: **1/5/2024** SeqNo: **1854807**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0957						0		30	
Fluorene	ND	0.0957						0		30	
Phenanthrene	ND	0.0957						0		30	
Anthracene	ND	0.0957						0		30	
Fluoranthene	ND	0.0957						0		30	
Pyrene	ND	0.191						0		30	
Benz(a)anthracene	ND	0.0957						0		30	
Chrysene	ND	0.0957						0		30	
Benzo(b)fluoranthene	ND	0.0957						0		30	
Benzo(k)fluoranthene	ND	0.0957						0		30	
Benzo(a)pyrene	ND	0.0957						0		30	
Indeno(1,2,3-cd)pyrene	ND	0.0957						0		30	
Dibenz(a,h)anthracene	ND	0.0957						0		30	
Benzo(g,h,i)perylene	ND	0.0957						0		30	
Surr: 2,4,6-Tribromophenol	3.79		4.787		79.1	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.03		2.393		84.9	31.1	114		0		
Surr: Terphenyl-d14	2.75		2.393		115	32	137		0		

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-42502** SampType: **MBLK** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **MBLKW** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235									
Aroclor 1221	ND	0.0235									
Aroclor 1232	ND	0.0235									
Aroclor 1242	ND	0.0235									
Aroclor 1248	ND	0.0235									
Aroclor 1254	ND	0.0235									
Aroclor 1260	ND	0.0235									
Aroclor 1262	ND	0.0235									
Aroclor 1268	ND	0.0235									
Total PCBs	ND	0.0235									
Surr: Decachlorobiphenyl	368		469.3		78.4	5	169				
Surr: Tetrachloro-m-xylene	258		469.3		55.0	7.64	118				

Sample ID: **LCS-42502** SampType: **LCS** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **LCSW** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854004**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.03	0.0235	2.350	0	86.2	29.7	129				
Aroclor 1260	2.24	0.0235	2.350	0	95.4	25.8	142				
Surr: Decachlorobiphenyl	466		469.9		99.1	5	169				
Surr: Tetrachloro-m-xylene	325		469.9		69.1	7.64	118				

Sample ID: **LCSD-42502** SampType: **LCSD** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **LCSW02** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.15	0.0236	2.359	0	91.2	29.7	129	2.025	6.11	20	
Aroclor 1260	2.23	0.0236	2.359	0	94.3	25.8	142	2.242	0.753	20	
Surr: Decachlorobiphenyl	412		471.8		87.2	5	169		0		
Surr: Tetrachloro-m-xylene	323		471.8		68.5	7.64	118		0		

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCSD-42502** SampType: **LCSD** Units: **µg/L** Prep Date: **1/2/2024** RunNo: **88750**
Client ID: **LCSW02** Batch ID: **42502** Analysis Date: **1/3/2024** SeqNo: **1854005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **LCS-42515** SampType: **LCS** Units: **µg/L** Prep Date: **1/4/2024** RunNo: **88766**
Client ID: **LCSW** Batch ID: **42515** Analysis Date: **1/4/2024** SeqNo: **1854450**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.59	0.200	5.000	0	112	85	115				
Arsenic	110	0.500	100.0	0	110	85	115				
Chromium	114	0.750	100.0	0	114	85	115				
Copper	112	2.00	100.0	0	112	85	115				
Lead	50.3	0.500	50.00	0	101	85	115				
Nickel	107	0.500	100.0	0	107	85	115				
Zinc	109	2.50	100.0	0	109	85	115				

Sample ID: **2312599-001CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **1/4/2024** RunNo: **88766**
Client ID: **BATCH** Batch ID: **42515** Analysis Date: **1/4/2024** SeqNo: **1854428**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	15.7	0.200						16.14	2.60	30	
Arsenic	2.83	0.500						2.861	1.05	30	
Chromium	ND	0.750						0		30	
Copper	ND	2.00						0		30	
Lead	0.851	0.500						0.8770	3.01	30	
Nickel	0.750	0.500						0.7530	0.399	30	
Zinc	15.3	2.50						15.37	0.385	30	

Sample ID: **2312599-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **1/4/2024** RunNo: **88766**
Client ID: **BATCH** Batch ID: **42515** Analysis Date: **1/4/2024** SeqNo: **1854429**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	20.8	0.200	5.000	16.14	93.4	70	130				
Arsenic	109	0.500	100.0	2.861	106	70	130				
Chromium	109	0.750	100.0	0.6880	109	70	130				
Copper	107	2.00	100.0	1.078	106	70	130				
Lead	51.7	0.500	50.00	0.8770	102	70	130				
Nickel	104	0.500	100.0	0.7530	103	70	130				

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2312599-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **BATCH**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854429**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	116	2.50	100.0	15.37	101	70	130				

Sample ID: **2312602-001DMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **BATCH**	Batch ID: **42515**		Analysis Date: **1/4/2024**	SeqNo: **1854431**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.86	0.200	5.000	0.2370	113	70	130				
Arsenic	108	0.500	100.0	0.9290	107	70	130				
Chromium	106	0.750	100.0	0.2660	106	70	130				
Copper	109	2.00	100.0	5.008	104	70	130				
Lead	53.8	0.500	50.00	4.085	99.4	70	130				
Nickel	121	0.500	100.0	20.31	101	70	130				
Zinc	31,800	2.50	100.0	33,220	-1,460	70	130				ES

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **MB-42515**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **1/4/2024**	RunNo: **88766**
Client ID: **MBLKW**	Batch ID: **42515**		Analysis Date: **1/5/2024**	SeqNo: **1854777**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R88707**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **MBLKW**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853296**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R88707**	SampType: **LCS**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **LCSW**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853297**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	305	3.00	300.0	0	102	65	135				

Sample ID: **2312579-001CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **BATCH**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853807**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	4.00	3.00						7.000	54.5	30	

Sample ID: **2401027-001EDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **1/3/2024**	RunNo: **88707**
Client ID: **Batch 06-01-032024**	Batch ID: **R88707**		Analysis Date: **1/3/2024**	SeqNo: **1853818**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Work Order: 2401027
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R88751**	SampType: **MBLK**	Units: **NTU**	Prep Date: **1/3/2024**	RunNo: **88751**
Client ID: **MBLKW**	Batch ID: **R88751**		Analysis Date: **1/3/2024**	SeqNo: **1854008**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R88751**	SampType: **LCS**	Units: **NTU**	Prep Date: **1/3/2024**	RunNo: **88751**
Client ID: **LCSW**	Batch ID: **R88751**		Analysis Date: **1/3/2024**	SeqNo: **1854009**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.3	0.200	10.00	0	103	90	110				

Sample ID: **2401027-001EDUP**	SampType: **DUP**	Units: **NTU**	Prep Date: **1/3/2024**	RunNo: **88751**
Client ID: **Batch 06-01-032024**	Batch ID: **R88751**		Analysis Date: **1/3/2024**	SeqNo: **1854011**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	1.29	0.200						1.290	0	20	

Fremont Analytical
An Alliance Technical Group Company

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2401027
Logged by:	Morgan Wilson	Date Received:	1/3/2024 10:30:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	12.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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EPA 100.1 - Asbestos in Water (all sizes) Final Report

Job Number: 240009
Client: Alliance Technical Group-Fremont Analytical, Inc.
Address: 3600 Fremont Ave N
Seattle, WA 98103
Project Name:
Project No.: COCID 1913
PO Number:
PWS ID:
Reference No.:

Report Number: 240009R01
Report Date: 1/4/2024

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
240009 - S1	2401027-001F - WA Water ID#: 11925368	EPA 100.1 - Asbestos in Water (all sizes)		1/3/2024	1/3/2024

EPA 100.1 - Asbestos in Water (all sizes)

Preparation and analysis of the above samples was conducted in accordance with the EPA method #100.1. In this method, samples are taken from an affected water supply to measure the amount of asbestos contamination in the system. Samples with known organic interferences are treated with ozone/UV treatment to oxidize any suspended material in the water.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.1 µm, 25 mm mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid and if no ozone/UV treatment was applied, they were etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. Then the samples were coated at high vacuum with a thin layer of carbon. This coated sample was then placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures > 0.5um in length.

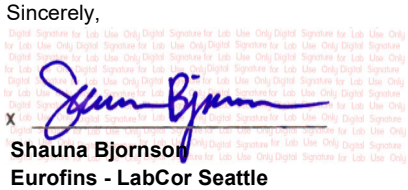
Each aliquot was examined at low magnification to determine the best particulate loading for analysis. A sensitivity of 0.2MFL was achieved over forty grid openings or until 100 structures were observed. If the submitted sample was very turbid and the method sensitivity of 0.2MFL was not achievable within LabCor, Inc.'s test parameters, the results were reported based on the analyzable aliquot. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer

The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,



Shauna Bjornson
Eurofins - LabCor Seattle

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EPA 100.1 - Asbestos in Water (all sizes) Summary Data - Final Report

Job Number: 240009 SEA

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 240009R01

Project Name:

Date Received: 1/3/2024

Eurofins Sample No.: S1

Client Sample No.: 2401027-001F - WA Water ID#: 11925368

Filter Fraction: 1

Aliquot Dilution: 1

Begin Volume: 10 ml

Final Dilution: 1

Volume Taken: 10 ml

Sample Area/Mass/Volume (ml) : 800

Lab Filter Area (mm2) : 289.38

Grid Openings Analyzed : 13

Average Grid Opening Area : 0.012

Area Analyzed (mm2) : 0.156

Analytical Sens. (struc/MFL) : 0.186

Analyst(s)	Analysis Date	Microscope	Magnification
SB	1/4/2024	JEOL-Sr 1200	20000

Structure Type	Concen-tration MFL	95% Confidence Interval MFL	Structure Count[1] Prim/Total	
TEM Water >10µm Asbestos Length	< 0.186	0 - 0.684 - Poisson	0	
TEM Water Amphibole - 100.1 Rules	2.226	1.15 - 3.888 - Poisson	12	
TEM Water Chrysotile - 100.1 Rules	14.654	11.602 - 18.264 - Poisson	79	
TEM Water Total - 100.1 Rules	16.88	13.591 - 20.726 - Poisson	91	

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 240009 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc. **Report Number:** 240009R01

Project Name: **Date Received:** 1/3/2024

Project No.: COCID 1913

Eurofins Sample No: S1

Client Sample No: 2401027-001F

Description: WA Water ID#: 11925368

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G4	1	F42	ADQ	1		Fiber	2.5	0.2	12.5	Tremolite	Mg, Si, Ca, Fe		100_1Amph, 100_1Tot
				ItemType		ItemNum					Confirmed	Comment	
				Brightfield		J71592BF							
				Diffraction		J71592DF					SB 1/4/2024	0.53nm ROW SPACING	
				Spectra		J71592SP					SB 1/4/2024		
G4	1	F42	CDQ	2		Fiber	2	0.1	20	Chrysotile	Mg, Si		100_1Chry, 100_1Tot
				ItemType		ItemNum					Confirmed	Comment	
				Brightfield		J71593BF							
				Diffraction		J71593DF					SB 1/4/2024	0.53nm ROW SPACING	
				Spectra		J71593SP					SB 1/4/2024		
G4	1	F42	CM	3		Fiber	0.8	0.1	8	Chrysotile			100_1Tot, 100_1Chry
G4	1	F42	CM	4		Fiber	0.51	0.1	5.1	Chrysotile			100_1Tot, 100_1Chry
G4	1	F42	CM	5		Fiber	1	0.1	10	Chrysotile			100_1Tot, 100_1Chry
G4	1	F42	CM	6		Fiber	0.9	0.12	7.5	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	AM	7		Fiber	2	0.3	6.7	Tremolite			100_1Amph, 100_1Tot
G4	2	G41	CM	8		Fiber	2.2	0.1	22	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	CM	9		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	CM	10		Fiber	1.3	0.1	13	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	CM	11		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	CM	12		Fiber	2.8	0.3	9.3	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	CM	13		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G4	2	G41	CM	14		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G4	3	G33	CM	15		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G4	3	G33	CM	16		Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G4	3	G33	CM	17		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G4	3	G33	CM	18		Fiber	0.8	0.1	8	Chrysotile			100_1Tot, 100_1Chry
G4	3	G33	CM	19		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G4	3	G33	CM	20		Fiber	1.2	0.1	12	Chrysotile			100_1Tot, 100_1Chry
G4	4	C44	CD	21		Fiber	2.2	0.1	22	Chrysotile			100_1Tot, 100_1Chry
G4	4	C44	AMQ	22		Fiber	3	0.2	15	Tremolite			100_1Amph, 100_1Tot
G4	4	C44	CM	23		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G4	4	C44	AMQ	24		Fiber	4.8	0.5	9.6	Tremolite			100_1Amph, 100_1Tot
G4	4	C44	CM	25		Fiber	1	0.1	10	Chrysotile			100_1Tot, 100_1Chry
G4	4	C44	CM	26		Fiber	1	0.2	5	Chrysotile			100_1Tot, 100_1Chry
G4	4	C44	CM	27		Fiber	2.55	0.1	25.5	Chrysotile			100_1Chry, 100_1Tot
G4	5	E43	CM	28		Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot
G4	5	E43	CM	29		Fiber	1.6	0.1	16	Chrysotile			100_1Chry, 100_1Tot
G4	5	E43	CM	30		Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G4	5	E43	CM	31		Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot

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EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 240009 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 240009R01

Eurofins Sample No: S1

Client Sample No: 2401027-001F

Description: WA Water ID#: 11925368

Gr	No.	Loc.	ID	Prim Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G4	5	E43	CM	32	Fiber	1.4	0.1	14	Chrysotile			100_1Chry, 100_1Tot
G4	5	E43	CM	33	Fiber	3.4	0.1	34	Chrysotile			100_1Tot, 100_1Chry
G5	6	F34	CD	34	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	6	F34	CD	35	Fiber	9	0.1	90	Chrysotile		2X Grid Bar Rule	100_1Tot, 100_1Chry
G5	6	F34	CM	36	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	6	F34	CM	37	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G5	6	F34	CM	38	Fiber	2.8	0.1	28	Chrysotile			100_1Chry, 100_1Tot
G5	6	F34	CM	39	Fiber	2.3	0.1	23	Chrysotile			100_1Tot, 100_1Chry
G5	6	F34	CM	40	Fiber	2.3	0.1	23	Chrysotile			100_1Tot, 100_1Chry
G5	6	F34	CD	41	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G5	7	G33	CM	42	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G5	7	G33	CD	43	Fiber	1.2	0.08	15	Chrysotile			100_1Chry, 100_1Tot
G5	7	G33	CM	44	Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G5	7	G33	CM	45	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G5	7	G33	CM	46	Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G5	8	E44	CM	47	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	E44	CM	48	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G5	8	E44	CM	49	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	E44	AMQ	50	Fiber	3.6	0.3	12	Tremolite			100_1Amph, 100_1Tot
G5	8	E44	CM	51	Fiber	1.5	0.1	15	Chrysotile			100_1Tot, 100_1Chry
G5	8	E44	CM	52	Fiber	2.5	0.1	25	Chrysotile			100_1Tot, 100_1Chry
G5	8	E44	AM	53	Fiber	0.8	0.2	4	Tremolite			100_1Amph, 100_1Tot
G5	8	E44	CD	54	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G5	8	E44	AM	55	Fiber	3.5	0.2	17.5	Tremolite			100_1Amph, 100_1Tot
G5	8	E44	CM	56	Fiber	1	0.1	10	Chrysotile			100_1Tot, 100_1Chry
G5	8	E44	CM	57	Fiber	1	0.1	10	Chrysotile			100_1Tot, 100_1Chry
G5	9	F43	CD	58	Fiber	2.5	0.1	25	Chrysotile			100_1Tot, 100_1Chry
G5	9	F43	AM	59	Fiber	7	1	7	Tremolite			100_1Amph, 100_1Tot
G5	9	F43	CD	60	Fiber	1	0.1	10	Chrysotile			100_1Tot, 100_1Chry
G6	10	E42	CM	61	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G6	10	E42	CM	62	Fiber	0.9	0.1	9	Chrysotile			100_1Tot, 100_1Chry
G6	10	E42	CM	63	Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G6	10	E42	CM	64	Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G6	11	F41	CM	65	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	11	F41	AMQ	66	Fiber	2.5	0.2	12.5	Tremolite			100_1Amph, 100_1Tot
G6	11	F41	CM	67	Fiber	1.5	0.1	15	Chrysotile			100_1Chry, 100_1Tot
G6	11	F41	CD	68	Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G6	11	F41	CM	69	Fiber	4	0.1	40	Chrysotile			100_1Chry, 100_1Tot
G6	11	F41	CM	70	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	11	F41	CM	71	Fiber	0.6	0.1	6	Chrysotile			100_1Chry, 100_1Tot

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 240009 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 240009R01

Eurofins Sample No: S1

Client Sample No: 2401027-001F

Description: WA Water ID#: 11925368

Gr	No.	Loc.	ID	Prim Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G6	11	F41	CM	72	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	73	Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	74	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	75	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	76	Fiber	2	0.1	20	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	77	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	78	Fiber	2.5	0.12	20.8	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	79	Fiber	0.8	0.1	8	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	AMQ	80	Fiber	2	0.25	8	Tremolite			100_1Amph, 100_1Tot
G6	12	F34	CM	81	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	12	F34	CM	82	Fiber	1.2	0.1	12	Chrysotile			100_1Tot, 100_1Chry
G6	13	G33	AM	83	Fiber	2.5	0.8	3.1	Tremolite			100_1Amph, 100_1Tot
G6	13	G33	CM	84	Fiber	3	0.1	30	Chrysotile			100_1Tot, 100_1Chry
G6	13	G33	CM	85	Fiber	4	0.1	40	Chrysotile			100_1Tot, 100_1Chry
G6	13	G33	CD	86	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	13	G33	CM	87	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	13	G33	CM	88	Fiber	2.5	0.1	25	Chrysotile			100_1Chry, 100_1Tot
G6	13	G33	CM	89	Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G6	13	G33	AM	90	Fiber	4	0.8	5	Tremolite			100_1Amph, 100_1Tot
G6	13	G33	CM	91	Fiber	1.4	0.1	14	Chrysotile			100_1Chry, 100_1Tot

Count Categories

100_1Amph	TEM Water Amphibole - 100.1 Rules	100_1Chry	TEM Water Chrysotile - 100.1 Rules	100_1Tot	TEM Water Total - 100.1 Rules
Asb>10	TEM Water >10µm Asbestos Length				

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 1-3-2024 Page: 1 of: 1

Laboratory Project No (internal): 2401027

Project Name: ANACORTES Demo Project

Special Remarks:

Client: 3 KINGS ENVIROMENTAL

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: BATTLE GROUND WA 98604

Location: MT VERNON

Telephone: 360-921-8702

Report To (PM): JASON HAWKS

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKING@3KINGSINC.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos (332-21-41)	TRUCITY 1 PA	TSS	LL HG	Comments
1	Batch DB-01-032024	1-3	7AM	W	6						X	X	X			X	X	X	X		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time		Received (Signature)	Print Name	Date/Time	
x Thomas King	THOMAS KING	1-3-24	10:30A	x	NICK RIES	1/3/24	10:30
Relinquished (Signature)	Print Name	Date/Time		Received (Signature)	Print Name	Date/Time	
x				x			

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2401184

January 17, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 1/10/2024 for the analyses presented in the following report.

Mercury by EPA Method 245.1
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Date: *01/17/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2401184

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2401184-001	Batch-07-102024	01/10/2024 7:00 AM	01/10/2024 9:41 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2401184**
Date: **1/17/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

2401184-001F
TEST_SUB has been Sub Contracted.
2401184-001F
TEST_SUB has been Sub Contracted.
2401184-001C
M-200.8-T has been Sub Contracted.
2401184-001C
PREP-MET-TOT has been Sub Contracted.

Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2401184-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2401184-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 1/10/2024 7:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2401184-001
Matrix: Water
Client Sample ID: **Batch-07-102024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 42578		Analyst: CO
Aroclor 1016	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1221	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1232	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1242	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1248	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1254	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1260	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1262	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Aroclor 1268	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Total PCBs	ND	0.0246		µg/L	1	1/11/2024 5:36:13 PM
Surr: Decachlorobiphenyl	41.0	5 - 169		%Rec	1	1/11/2024 5:36:13 PM
Surr: Tetrachloro-m-xylene	67.5	7.64 - 118		%Rec	1	1/11/2024 5:36:13 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 42553		Analyst: RG
Acenaphthene	0.177	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Fluorene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Phenanthrene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Anthracene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Fluoranthene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Pyrene	0.895	0.195		µg/L	1	1/11/2024 11:14:01 PM
Benz(a)anthracene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Chrysene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Benzo(b)fluoranthene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Benzo(k)fluoranthene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Benzo(a)pyrene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Indeno(1,2,3-cd)pyrene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Dibenz(a,h)anthracene	ND	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Benzo(g,h,i)perylene	2.29	0.0976		µg/L	1	1/11/2024 11:14:01 PM
Surr: 2-Fluorobiphenyl	93.4	31.1 - 114		%Rec	1	1/11/2024 11:14:01 PM
Surr: Terphenyl-d14	92.6	32 - 137		%Rec	1	1/11/2024 11:14:01 PM
Mercury by EPA Method 245.1				Batch ID: 42577		Analyst: ME
Mercury	ND	0.100		µg/L	1	1/11/2024 12:15:27 PM
pH by SM 4500H+B				Batch ID: R89005		Analyst: NR
Hydrogen Ion (pH)	7.46		H	pH	1	1/10/2024 2:50:00 PM

Analytical Report

Work Order: **2401184**
Date Reported: **1/17/2024**

Client: 3 Kings Environmental
Collection Date: 1/10/2024 7:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2401184-001
Matrix: Water
Client Sample ID: **Batch-07-102024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R88966		Analyst: FG
Total Suspended Solids	ND	3.00		mg/L	1	1/12/2024 12:07:22 PM
Turbidity by EPA Method 180.1				Batch ID: R89013		Analyst: NR
Turbidity	0.660	0.200		NTU	1	1/10/2024 5:07:00 PM

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-42577**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **1/10/2024**			RunNo: **88933**	
Client ID: **MBLKW**	Batch ID: **42577**					Analysis Date: **1/11/2024**			SeqNo: **1857750**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-42577**	SampType: **LCS**			Units: **µg/L**		Prep Date: **1/10/2024**			RunNo: **88933**	
Client ID: **LCSW**	Batch ID: **42577**					Analysis Date: **1/11/2024**			SeqNo: **1857751**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.914	0.100	1.000	0	91.4	85	115				

Sample ID: **2401072-001EDUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **1/10/2024**			RunNo: **88933**	
Client ID: **BATCH**	Batch ID: **42577**					Analysis Date: **1/11/2024**			SeqNo: **1857753**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2401072-001EMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **1/10/2024**			RunNo: **88933**	
Client ID: **BATCH**	Batch ID: **42577**					Analysis Date: **1/11/2024**			SeqNo: **1857754**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.914	0.100	1.000	0	91.4	70	130				

Sample ID: **2401072-001EMSD**	SampType: **MSD**			Units: **µg/L**		Prep Date: **1/10/2024**			RunNo: **88933**	
Client ID: **BATCH**	Batch ID: **42577**					Analysis Date: **1/11/2024**			SeqNo: **1857755**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.908	0.100	1.000	0	90.8	70	130	0.9140	0.659	20	

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R89005**	SampType: **MBLK**	Units: **pH**	Prep Date: **1/10/2024**	RunNo: **89005**
Client ID: **MBLKW**	Batch ID: **R89005**		Analysis Date: **1/10/2024**	SeqNo: **1858842**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.90										

Sample ID: **LCS-R89005**	SampType: **LCS**	Units: **pH**	Prep Date: **1/10/2024**	RunNo: **89005**
Client ID: **LCSW**	Batch ID: **R89005**		Analysis Date: **1/10/2024**	SeqNo: **1858843**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.17		7.000	0	102	95	105				

Sample ID: **2401184-001EDUP**	SampType: **DUP**	Units: **pH**	Prep Date: **1/10/2024**	RunNo: **89005**
Client ID: **Batch-07-102024**	Batch ID: **R89005**		Analysis Date: **1/10/2024**	SeqNo: **1858845**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.47							7.460	0.134	10	H

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-42553** SampType: **MBLK** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88958**
Client ID: **MBLKW** Batch ID: **42553** Analysis Date: **1/11/2024** SeqNo: **1858077**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0996									
Fluorene	ND	0.0996									
Phenanthrene	ND	0.0996									
Anthracene	ND	0.0996									
Fluoranthene	ND	0.0996									
Pyrene	ND	0.199									
Benz(a)anthracene	ND	0.0996									
Chrysene	ND	0.0996									
Benzo(b)fluoranthene	ND	0.0996									
Benzo(k)fluoranthene	ND	0.0996									
Benzo(a)pyrene	ND	0.0996									
Indeno(1,2,3-cd)pyrene	ND	0.0996									
Dibenz(a,h)anthracene	ND	0.0996									
Benzo(g,h,i)perylene	ND	0.0996									
Surr: 2,4,6-Tribromophenol	3.87		4.978		77.7	31.3	143				
Surr: 2-Fluorobiphenyl	2.10		2.489		84.5	31.1	114				
Surr: Terphenyl-d14	2.15		2.489		86.5	32	137				

Sample ID: **LCS-42553** SampType: **LCS** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88958**
Client ID: **LCSW** Batch ID: **42553** Analysis Date: **1/11/2024** SeqNo: **1858078**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.85	0.0990	4.949	0	77.8	38	106				
Fluorene	4.01	0.0990	4.949	0	80.9	42.9	109				
Phenanthrene	3.95	0.0990	4.949	0	79.9	44	109				
Anthracene	3.68	0.0990	4.949	0	74.5	38.2	107				
Fluoranthene	3.94	0.0990	4.949	0	79.6	47.3	115				
Pyrene	3.93	0.198	4.949	0	79.3	46.8	114				
Benz(a)anthracene	3.79	0.0990	4.949	0	76.6	48	123				
Chrysene	4.05	0.0990	4.949	0	81.9	45.2	105				

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-42553** SampType: **LCS** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88958**
Client ID: **LCSW** Batch ID: **42553** Analysis Date: **1/11/2024** SeqNo: **1858078**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	4.00	0.0990	4.949	0	80.8	46.2	111				
Benzo(k)fluoranthene	3.80	0.0990	4.949	0	76.7	44.5	105				
Benzo(a)pyrene	3.59	0.0990	4.949	0	72.5	41.6	108				
Indeno(1,2,3-cd)pyrene	3.69	0.0990	4.949	0	74.5	39.2	105				
Dibenz(a,h)anthracene	3.49	0.0990	4.949	0	70.5	35.2	105				
Benzo(g,h,i)perylene	3.51	0.0990	4.949	0	71.0	37.9	103				
Surr: 2,4,6-Tribromophenol	4.39		4.949		88.7	31.3	143				
Surr: 2-Fluorobiphenyl	2.00		2.474		80.9	31.1	114				
Surr: Terphenyl-d14	2.00		2.474		81.0	32	137				

Sample ID: **LCSD-42553** SampType: **LCSD** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88958**
Client ID: **LCSW02** Batch ID: **42553** Analysis Date: **1/11/2024** SeqNo: **1858079**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.89	0.0988	4.940	0	78.7	38	106	3.852	0.933	30	
Fluorene	4.05	0.0988	4.940	0	82.0	42.9	109	4.005	1.09	30	
Phenanthrene	4.11	0.0988	4.940	0	83.2	44	109	3.954	3.89	30	
Anthracene	3.87	0.0988	4.940	0	78.4	38.2	107	3.684	4.94	30	
Fluoranthene	4.06	0.0988	4.940	0	82.1	47.3	115	3.941	2.88	30	
Pyrene	4.03	0.198	4.940	0	81.5	46.8	114	3.926	2.56	30	
Benz(a)anthracene	3.95	0.0988	4.940	0	79.9	48	123	3.793	3.94	30	
Chrysene	4.18	0.0988	4.940	0	84.7	45.2	105	4.054	3.13	30	
Benzo(b)fluoranthene	4.13	0.0988	4.940	0	83.6	46.2	111	4.001	3.13	30	
Benzo(k)fluoranthene	3.95	0.0988	4.940	0	79.9	44.5	105	3.797	3.87	30	
Benzo(a)pyrene	3.70	0.0988	4.940	0	75.0	41.6	108	3.588	3.20	30	
Indeno(1,2,3-cd)pyrene	3.85	0.0988	4.940	0	77.8	39.2	105	3.686	4.24	30	
Dibenz(a,h)anthracene	3.68	0.0988	4.940	0	74.5	35.2	105	3.490	5.31	30	
Benzo(g,h,i)perylene	3.69	0.0988	4.940	0	74.7	37.9	103	3.514	4.94	30	
Surr: 2,4,6-Tribromophenol	4.35		4.940		88.1	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.02		2.470		81.9	31.1	114		0		

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-42553** SampType: **LCSD** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88958**
Client ID: **LCSW02** Batch ID: **42553** Analysis Date: **1/11/2024** SeqNo: **1858079**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	2.03		2.470		82.1	32	137		0		

Sample ID: **2401155-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88958**
Client ID: **BATCH** Batch ID: **42553** Analysis Date: **1/11/2024** SeqNo: **1858085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0989						0		30	
Fluorene	ND	0.0989						0		30	
Phenanthrene	ND	0.0989						0		30	
Anthracene	ND	0.0989						0		30	
Fluoranthene	ND	0.0989						0		30	
Pyrene	0.367	0.198						0.4199	13.5	30	
Benz(a)anthracene	ND	0.0989						0		30	
Chrysene	ND	0.0989						0		30	
Benzo(b)fluoranthene	ND	0.0989						0		30	
Benzo(k)fluoranthene	ND	0.0989						0		30	
Benzo(a)pyrene	ND	0.0989						0		30	
Indeno(1,2,3-cd)pyrene	ND	0.0989						0		30	
Dibenz(a,h)anthracene	ND	0.0989						0		30	
Benzo(g,h,i)perylene	1.51	0.0989						1.780	16.2	30	
Surr: 2,4,6-Tribromophenol	3.97		4.943		80.3	31.3	143		0		
Surr: 2-Fluorobiphenyl	1.97		2.472		79.6	31.1	114		0		
Surr: Terphenyl-d14	2.01		2.472		81.4	32	137		0		

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-42578** SampType: **MBLK** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88962**
Client ID: **MBLKW** Batch ID: **42578** Analysis Date: **1/11/2024** SeqNo: **1858161**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0247									
Aroclor 1221	ND	0.0247									
Aroclor 1232	ND	0.0247									
Aroclor 1242	ND	0.0247									
Aroclor 1248	ND	0.0247									
Aroclor 1254	ND	0.0247									
Aroclor 1260	ND	0.0247									
Aroclor 1262	ND	0.0247									
Aroclor 1268	ND	0.0247									
Total PCBs	ND	0.0247									
Surr: Decachlorobiphenyl	353		494.7		71.3	5	169				
Surr: Tetrachloro-m-xylene	336		494.7		68.0	7.64	118				

Sample ID: **LCS-42578** SampType: **LCS** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88962**
Client ID: **LCSW** Batch ID: **42578** Analysis Date: **1/11/2024** SeqNo: **1858162**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.77	0.0246	2.464	0	71.7	29.7	129				
Aroclor 1260	1.71	0.0246	2.464	0	69.2	25.8	142				
Surr: Decachlorobiphenyl	333		492.8		67.6	5	169				
Surr: Tetrachloro-m-xylene	330		492.8		66.9	7.64	118				

Sample ID: **2401176-004CMS** SampType: **MS** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88962**
Client ID: **BATCH** Batch ID: **42578** Analysis Date: **1/11/2024** SeqNo: **1858164**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.86	0.0250	2.497	0	74.5	16.4	137				
Aroclor 1260	2.03	0.0250	2.497	0	81.3	12.5	147				
Surr: Decachlorobiphenyl	380		499.4		76.1	5	169				
Surr: Tetrachloro-m-xylene	297		499.4		59.4	7.64	118				

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **2401176-004CMS** SampType: **MS** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88962**
Client ID: **BATCH** Batch ID: **42578** Analysis Date: **1/11/2024** SeqNo: **1858164**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2401176-004CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **1/10/2024** RunNo: **88962**
Client ID: **BATCH** Batch ID: **42578** Analysis Date: **1/11/2024** SeqNo: **1858165**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.92	0.0255	2.546	0	75.3	16.4	137	1.861	2.94	30	
Aroclor 1260	1.99	0.0255	2.546	0	78.3	12.5	147	2.031	1.84	30	
Surr: Decachlorobiphenyl	410		509.1		80.5	5	169		0		
Surr: Tetrachloro-m-xylene	325		509.1		63.9	7.64	118		0		

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R88966**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **1/12/2024**	RunNo: **88966**
Client ID: **MBLKW**	Batch ID: **R88966**		Analysis Date: **1/12/2024**	SeqNo: **1858200**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R88966**	SampType: **LCS**	Units: **mg/L**	Prep Date: **1/12/2024**	RunNo: **88966**
Client ID: **LCSW**	Batch ID: **R88966**		Analysis Date: **1/12/2024**	SeqNo: **1858201**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	262	3.00	300.0	0	87.3	65	135				

Sample ID: **2401131-001CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **1/12/2024**	RunNo: **88966**
Client ID: **BATCH**	Batch ID: **R88966**		Analysis Date: **1/12/2024**	SeqNo: **1858203**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	10.0	3.00						4.000	85.7	30	

Sample ID: **2401227-001CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **1/12/2024**	RunNo: **88966**
Client ID: **BATCH**	Batch ID: **R88966**		Analysis Date: **1/12/2024**	SeqNo: **1858222**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Work Order: 2401184
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R89013** SampType: **MBLK** Units: **NTU** Prep Date: **1/10/2024** RunNo: **89013**
Client ID: **MBLKW** Batch ID: **R89013** Analysis Date: **1/10/2024** SeqNo: **1858969**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R89013** SampType: **LCS** Units: **NTU** Prep Date: **1/10/2024** RunNo: **89013**
Client ID: **LCSW** Batch ID: **R89013** Analysis Date: **1/10/2024** SeqNo: **1858970**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.1	0.200	10.00	0	101	90	110				

Sample ID: **2401184-001EDUP** SampType: **DUP** Units: **NTU** Prep Date: **1/10/2024** RunNo: **89013**
Client ID: **Batch-07-102024** Batch ID: **R89013** Analysis Date: **1/10/2024** SeqNo: **1858972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	0.630	0.200						0.6600	4.65	20	

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2401184
Logged by:	Clare Griggs	Date Received:	1/10/2024 9:41:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☑ No ☐ NA ☐

Person Notified:	Jason Hawkes	Date:	1/10/2024
By Whom:	Clare Griggs	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Confirming Hg method.		
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	4.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
An Alliance Technical Group Company

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 1-10-2024 | Page: 1 of: 1 | Laboratory Project No (internal): 2401184

Project Name: Anacortes Demo Project

Special Remarks:

Client: 3 Kings Enviromental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: Battleground, wa 98604

Location: Mt Vernon

Telephone: 360-921-8702

Report To (PM): Jason Hawks

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3kingsinc.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos 1332-21-4	Turbidity / PH	TSS	CL HG	Comments
1 Batch 07-01-102024	1-10	7am	W	6						X	X	X				X	X	X	X		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Todd Goodner	1-10-24	x	Matt Langston	1/10/24 941
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Final Report

Job Number: 240036

Report Number: 240036R01
Report Date: 1/16/2024

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103
Project Name:
Project No.: COCID 1924
PO Number:
PWS ID:
Reference No.:

Report Note: Due to the turbidity of the sample the required 0.2MFL sensitivity is not achievable within the LabCor test parameters. If achieving the sensitivity is required, additional grid openings can be analyzed at an additional cost. Please contact the lab for additional information.

Enclosed please find results for samples submitted to our laboratory. A list of samples and analyses follows:

Eurofins Num.	Client Sample Number	Analysis	Analysis Notes	Date Sampled:	Date Received:
240036 - S1	2401184-001F	EPA 100.1 - Asbestos in Water (all sizes)		1/10/2024	1/10/2024

EPA 100.1 - Asbestos in Water (all sizes)

Preparation and analysis of the above samples was conducted in accordance with the EPA method #100.1. In this method, samples are taken from an affected water supply to measure the amount of asbestos contamination in the system. Samples with known organic interferences are treated with ozone/UV treatment to oxidize any suspended material in the water.

Each sample was shaken, then sonicated briefly in a Health Sonics Ultrasonic Cleaner to distribute particulate evenly. Several aliquots were filtered onto 0.1 µm, 25 mm mixed cellulose ester filters. Briefly, the samples were collapsed with a solution of N,N-dimethylformamide and acetic acid and if no ozone/UV treatment was applied, they were etched in a low temperature plasma etcher to remove the top surface of the filter and other organics. Then the samples were coated at high vacuum with a thin layer of carbon. This coated sample was then placed on 200 mesh copper grids and allowed to dissolve in N,N-Dimethlyformamide / Acetone baths until cleared of filter debris.

Analysis was performed using a transmission electron microscope equipped with an EDS X ray analyzer. The samples were analyzed at an approximate screen magnification of 10,000x, with an accelerating voltage of 100 KV, analyzing for structures > 0.5um in length.

Each aliquot was examined at low magnification to determine the best particulate loading for analysis. A sensitivity of 0.2MFL was achieved over forty grid openings or until 100 structures were observed. If the submitted sample was very turbid and the method sensitivity of 0.2MFL was not achievable within LabCor, Inc.'s test parameters, the results were reported based on the analyzable aliquot. The sizing of grid openings was performed using a calibrated digital imaging system at low magnification.

Disclaimer The results reported relate only to the samples tested or analyzed; the laboratory is not responsible for data collected by personnel who are not affiliated with the laboratory. Results reported in both structures/cm3 and structures/mm2 are dependent on the sample volume and area. These parameters are measured and recorded by non-laboratory personnel and are not covered by the laboratory's accreditation. Interpretation of these results is the sole responsibility of the client.

If further clarification of these results is needed, please call us. Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Sincerely,

X

Shauna Bjornson
Eurofins - LabCor Seattle

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Summary Data - Final Report

Job Number: 240036 SEA

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 240036R01

Project Name:

Date Received: 1/10/2024

Eurofins Sample No.: S1

Client Sample No.: 2401184-001F

Filter Fraction: 1

Aliquot Dilution: 1

Begin Volume: 5 ml

Final Dilution: 1

Volume Taken: 5 ml

Sample Area/Mass/Volume (ml) : 800

Lab Filter Area (mm2) : 289.38

Grid Openings Analyzed : 20

Average Grid Opening Area : 0.012

Area Analyzed (mm2) : 0.24

Analytical Sens. (struc/MFL) : 0.241

Analyst(s)	Analysis Date	Microscope	Magnification
SB	1/16/2024	JEOL-Sr 1200	20000

Structure Type	Concen-tration MFL	95% Confidence Interval MFL	Structure Count[1] Prim/Total	
TEM Water >10µm Asbestos Length	< 0.241	0 - 0.89 - Poisson	0	
TEM Water Amphibole - 100.1 Rules	< 0.241	0 - 0.89 - Poisson	0	
TEM Water Chrysotile - 100.1 Rules	4.1	2.388 - 6.564 - Poisson	17	
TEM Water Total - 100.1 Rules	4.1	2.388 - 6.564 - Poisson	17	

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.1 - Asbestos in Water (all sizes) Raw Data - Final Report

Job Number: 240036 **SEA** **EPA 100.1 Non Potable**

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 240036R01

Project Name:

Date Received: 1/10/2024

Project No.: COCID 1924

Eurofins Sample No: S1

Client Sample No: 2401184-001F

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	1	E34				NSD							
G7	2	F33	CDQ	1		Fiber	1.2	0.2	6	Chrysotile	Mg, Si		100_1Chry, 100_1Tot
						ItemType	ItemNum				Confirmed	Comment	
						Brightfield	J71647BF						
						Diffraction	J71647DF				SB 1/16/2024	0.53nm ROW SPACING	
						Spectra	J71647SP				SB 1/16/2024		
G7	2	F33	CMQ	2		Fiber	1.2	0.2	6	Chrysotile	Mg, Si		100_1Chry, 100_1Tot
G7	3	F41				NSD							
G7	4	F44				NSD							
G7	5	G43	CD	3		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G7	6	C52	CM	4		Fiber	1	0.12	8.3	Chrysotile			100_1Chry, 100_1Tot
G7	7	E51	CD	5		Fiber	2.25	0.2	11.2	Chrysotile			100_1Chry, 100_1Tot
G7	7	E51	CM	6		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G8	8	E34				NSD							
G8	9	F33	CD	7		Fiber	1.5	0.12	12.5	Chrysotile			100_1Chry, 100_1Tot
G8	9	F33	CD	8		Fiber	3	0.1	30	Chrysotile			100_1Chry, 100_1Tot
G8	10	F41	CD	9		Fiber	2.2	0.1	22	Chrysotile			100_1Chry, 100_1Tot
G8	10	F41	CM	10		Fiber	1.2	0.1	12	Chrysotile			100_1Chry, 100_1Tot
G8	10	F41	CD	11		Fiber	4	0.1	40	Chrysotile			100_1Chry, 100_1Tot
G8	11	C44	CM	12		Fiber	0.8	0.12	6.7	Chrysotile			100_1Chry, 100_1Tot
G8	12	E43	CM	13		Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G8	13	E51				NSD							
G8	14	G51	CD	14		Fiber	0.9	0.1	9	Chrysotile			100_1Chry, 100_1Tot
G9	15	F34	CD	15		Fiber	2.25	0.1	22.5	Chrysotile			100_1Chry, 100_1Tot
G9	15	F34	CM	16		Fiber	0.7	0.1	7	Chrysotile			100_1Chry, 100_1Tot
G9	16	G33				NSD							
G9	17	E32	CD	17		Fiber	1	0.1	10	Chrysotile			100_1Chry, 100_1Tot
G9	18	F31				NSD							
G9	19	E44				NSD							
G9	20	F43				NSD							

Count Categories

100_1Amph	TEM Water Amphibole - 100.1 Rules	100_1Chry	TEM Water Chrysotile - 100.1 Rules	100_1Tot	TEM Water Total - 100.1 Rules
Asb>10	TEM Water >10µm Asbestos Length				

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 17, 2024

Brianna Barnes, Project Manager
Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103

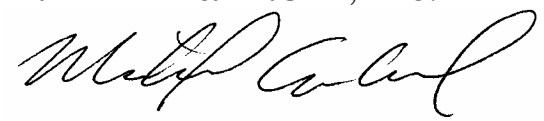
Dear Ms Barnes:

Included are the results from the testing of material submitted on January 12, 2024 from the Omega COCID 1945, F&BI 401163 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Kelly Lovejoy, Matthew Langston
FRE0117R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on January 12, 2023 by Friedman & Bruya, Inc. from the Fremont Analytical Omega COCID 1945, F&BI 401163 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Fremont Analytical
401163 -01	2401184-001C

All quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 200.8

Client ID:	2401184-001C	Client:	Fremont Analytical
Date Received:	01/12/24	Project:	Omega COCID 1945, F&BI 401163
Date Extracted:	01/15/24	Lab ID:	401163-01
Date Analyzed:	01/15/24	Data File:	401163-01.075
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Antimony	10.2
Arsenic	2.50
Chromium	3.51
Copper	5.31
Lead	<1
Nickel	1.83
Zinc	20.4

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Fremont Analytical
Date Received:	Not Applicable	Project:	Omega COCID 1945, F&BI 401163
Date Extracted:	01/15/24	Lab ID:	I4-32 mb
Date Analyzed:	01/15/24	Data File:	I4-32 mb.048
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Antimony	<1
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Nickel	<1
Zinc	<5

Date of Report: 01/17/24
Date Received: 01/12/24
Project: Omega COCID 1945, F&BI 401163

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 401142-10 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Antimony	ug/L (ppb)	20	<1	96	98	70-130	2
Arsenic	ug/L (ppb)	10	<1	99	99	70-130	0
Chromium	ug/L (ppb)	20	5.10	96 b	96 b	70-130	0 b
Copper	ug/L (ppb)	20	<5	91	93	70-130	2
Lead	ug/L (ppb)	10	<1	90	92	70-130	2
Nickel	ug/L (ppb)	20	<1	93	94	70-130	1
Zinc	ug/L (ppb)	50	<5	96	99	70-130	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Antimony	ug/L (ppb)	20	102	85-115
Arsenic	ug/L (ppb)	10	91	85-115
Chromium	ug/L (ppb)	20	92	85-115
Copper	ug/L (ppb)	20	93	85-115
Lead	ug/L (ppb)	10	94	85-115
Nickel	ug/L (ppb)	20	93	85-115
Zinc	ug/L (ppb)	50	97	85-115

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

CHAIN OF CUSTODY RECORD

Omega COCID 1945 | PAGE: 1 | OF: 1

ADDRESS
Fremont Analytical, Inc.
3600 Fremont Ave. N.
Seattle, WA 98103
TEL: 206-352-3790
FAX: 206-352-7178
Website: www.fremontanalytical.con

401163

01/12/24

J3

SUB CONTRATOR: Friedman & Bruya	COMPANY: Friedman & Bruya
ADDRESS: 3012 16th Avenue West	
CITY, STATE, ZIP: Seattle, WA 98119	
PHONE: (206) 285-8282	FAX: EMAIL:
ACCOUNT #:	

SPECIAL INSTRUCTIONS / COMMENTS:

Rush TAT. Total Sb, As, Cr, Cu, Pb, Ni, Zn. Please email results to Brianna Barnes at bbarnes@fremontanalytical.com and Kelley Lovejoy at klovejoy@fremontanalytical.com.

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description. Lab ID
1	2401184-001C	Batch-07-102024	250ML POLY	Water	1/10/2024 7:00:00 AM	1	01 A B C
	M-200.8-T, PREP-MET-TOT						

Samples received at 10 °C

	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	1/12/24	15:15		01/12/24	15:15
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY

Temp of samples _____ °C Attempt to Cool ? _____

Comments: _____

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2402025

February 07, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 2/1/2024 for the analyses presented in the following report.

Mercury by Method 1631E
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *02/07/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2402025

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2402025-001	Batch 08-02-01-2024	02/01/2024 2:30 PM	02/01/2024 4:20 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2402025**
Date: **2/7/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2402025-001D
M-1631-W has been Sub Contracted.
2402025-001D
PREP-1631-W has been Sub Contracted.
2402025-001F
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2402025-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2402025-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 2/1/2024 2:30:00 PM
Project: Anacortes Demo Project
Lab ID: 2402025-001
Matrix: Water
Client Sample ID: **Batch 08-02-01-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 42802		Analyst: SK
Aroclor 1016	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1221	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1232	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1242	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1248	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1254	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1260	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1262	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Aroclor 1268	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Total PCBs	ND	0.0242		µg/L	1	2/5/2024 1:11:43 PM
Surr: Decachlorobiphenyl	67.5	5 - 169		%Rec	1	2/5/2024 1:11:43 PM
Surr: Tetrachloro-m-xylene	63.9	7.64 - 118		%Rec	1	2/5/2024 1:11:43 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 42805		Analyst: SK
Acenaphthene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Fluorene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Phenanthrene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Anthracene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Fluoranthene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Pyrene	ND	0.188		µg/L	1	2/5/2024 5:57:55 PM
Benz(a)anthracene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Chrysene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Benzo(b)fluoranthene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Benzo(k)fluoranthene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Benzo(a)pyrene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Indeno(1,2,3-cd)pyrene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Dibenz(a,h)anthracene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Benzo(g,h,i)perylene	ND	0.0938		µg/L	1	2/5/2024 5:57:55 PM
Surr: 2-Fluorobiphenyl	98.2	31.1 - 114		%Rec	1	2/5/2024 5:57:55 PM
Surr: Terphenyl-d14	104	32 - 137		%Rec	1	2/5/2024 5:57:55 PM
Total Metals by EPA Method 200.8				Batch ID: 42798		Analyst: ME
Antimony	16.1	0.200		µg/L	1	2/2/2024 1:32:00 PM
Arsenic	2.66	0.500		µg/L	1	2/2/2024 1:32:00 PM
Chromium	1.58	0.750		µg/L	1	2/2/2024 1:32:00 PM
Copper	105	2.00		µg/L	1	2/2/2024 1:32:00 PM
Lead	3.13	0.500		µg/L	1	2/2/2024 1:32:00 PM

Analytical Report

Work Order: **2402025**
Date Reported: **2/7/2024**

Client: 3 Kings Environmental
Collection Date: 2/1/2024 2:30:00 PM
Project: Anacortes Demo Project
Lab ID: 2402025-001
Matrix: Water
Client Sample ID: **Batch 08-02-01-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 42798		Analyst: ME
Nickel	1.40	0.500		µg/L	1	2/2/2024 1:32:00 PM
Zinc	158	2.50		µg/L	1	2/2/2024 1:32:00 PM
pH by SM 4500H+B				Batch ID: R89388		Analyst: NR
Hydrogen Ion (pH)	6.91		H	pH	1	2/1/2024 5:05:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R89431		Analyst: NR
Total Suspended Solids	ND	3.00		mg/L	1	2/6/2024 9:25:21 AM
Turbidity by EPA Method 180.1				Batch ID: R89420		Analyst: NK
Turbidity	0.510	0.200	H	NTU	1	2/5/2024 10:20:00 AM

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R89388**	SampType: **MBLK**	Units: **pH**	Prep Date: **2/1/2024**	RunNo: **89388**
Client ID: **MBLKW**	Batch ID: **R89388**		Analysis Date: **2/1/2024**	SeqNo: **1866424**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.74										

Sample ID: **LCS-R89388**	SampType: **LCS**	Units: **pH**	Prep Date: **2/1/2024**	RunNo: **89388**
Client ID: **LCSW**	Batch ID: **R89388**		Analysis Date: **2/1/2024**	SeqNo: **1866425**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.16		7.000	0	102	95	105				

Sample ID: **2402025-001EDUP**	SampType: **DUP**	Units: **pH**	Prep Date: **2/1/2024**	RunNo: **89388**
Client ID: **Batch 08-02-01-2024**	Batch ID: **R89388**		Analysis Date: **2/1/2024**	SeqNo: **1866427**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	6.92							6.910	0.145	10	H

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-42805** SampType: **MBLK** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89435**
Client ID: **MBLKW** Batch ID: **42805** Analysis Date: **2/5/2024** SeqNo: **1867282**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0926									
Fluorene	ND	0.0926									
Phenanthrene	ND	0.0926									
Anthracene	ND	0.0926									
Fluoranthene	ND	0.0926									
Pyrene	ND	0.185									
Benz(a)anthracene	ND	0.0926									
Chrysene	ND	0.0926									
Benzo(b)fluoranthene	ND	0.0926									
Benzo(k)fluoranthene	ND	0.0926									
Benzo(a)pyrene	ND	0.0926									
Indeno(1,2,3-cd)pyrene	ND	0.0926									
Dibenz(a,h)anthracene	ND	0.0926									
Benzo(g,h,i)perylene	ND	0.0926									
Surr: 2,4,6-Tribromophenol	3.12		4.631		67.5	31.3	143				
Surr: 2-Fluorobiphenyl	1.81		2.315		78.1	31.1	114				
Surr: Terphenyl-d14	2.15		2.315		92.7	32	137				

Sample ID: **LCS-42805** SampType: **LCS** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89435**
Client ID: **LCSW** Batch ID: **42805** Analysis Date: **2/5/2024** SeqNo: **1867283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.69	0.0932	4.660	0	79.2	38	106				
Fluorene	3.72	0.0932	4.660	0	79.7	42.9	109				
Phenanthrene	3.70	0.0932	4.660	0	79.5	44	109				
Anthracene	3.42	0.0932	4.660	0	73.4	38.2	107				
Fluoranthene	3.72	0.0932	4.660	0	79.9	47.3	115				
Pyrene	3.73	0.186	4.660	0	80.1	46.8	114				
Benz(a)anthracene	3.59	0.0932	4.660	0	77.0	48	123				
Chrysene	3.63	0.0932	4.660	0	77.9	45.2	105				

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-42805** SampType: **LCS** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89435**
Client ID: **LCSW** Batch ID: **42805** Analysis Date: **2/5/2024** SeqNo: **1867283**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	3.59	0.0932	4.660	0	77.1	46.2	111				
Benzo(k)fluoranthene	3.60	0.0932	4.660	0	77.3	44.5	105				
Benzo(a)pyrene	3.11	0.0932	4.660	0	66.7	41.6	108				
Indeno(1,2,3-cd)pyrene	3.63	0.0932	4.660	0	78.0	39.2	105				
Dibenz(a,h)anthracene	3.55	0.0932	4.660	0	76.1	35.2	105				
Benzo(g,h,i)perylene	3.50	0.0932	4.660	0	75.0	37.9	103				
Surr: 2,4,6-Tribromophenol	4.64		4.660		99.5	31.3	143				
Surr: 2-Fluorobiphenyl	2.24		2.330		96.0	31.1	114				
Surr: Terphenyl-d14	2.33		2.330		100	32	137				

Sample ID: **LCSD-42805** SampType: **LCSD** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89435**
Client ID: **LCSW02** Batch ID: **42805** Analysis Date: **2/5/2024** SeqNo: **1867284**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.75	0.0930	4.649	0	80.7	38	106	3.689	1.71	30	
Fluorene	3.76	0.0930	4.649	0	80.9	42.9	109	3.716	1.19	30	
Phenanthrene	3.75	0.0930	4.649	0	80.7	44	109	3.703	1.29	30	
Anthracene	3.40	0.0930	4.649	0	73.1	38.2	107	3.421	0.661	30	
Fluoranthene	3.79	0.0930	4.649	0	81.4	47.3	115	3.725	1.65	30	
Pyrene	3.81	0.186	4.649	0	82.0	46.8	114	3.734	2.07	30	
Benz(a)anthracene	3.63	0.0930	4.649	0	78.1	48	123	3.589	1.18	30	
Chrysene	3.67	0.0930	4.649	0	79.0	45.2	105	3.631	1.18	30	
Benzo(b)fluoranthene	3.64	0.0930	4.649	0	78.3	46.2	111	3.591	1.35	30	
Benzo(k)fluoranthene	3.66	0.0930	4.649	0	78.7	44.5	105	3.600	1.62	30	
Benzo(a)pyrene	3.17	0.0930	4.649	0	68.2	41.6	108	3.109	2.04	30	
Indeno(1,2,3-cd)pyrene	3.72	0.0930	4.649	0	80.1	39.2	105	3.633	2.46	30	
Dibenz(a,h)anthracene	3.60	0.0930	4.649	0	77.5	35.2	105	3.547	1.60	30	
Benzo(g,h,i)perylene	3.55	0.0930	4.649	0	76.4	37.9	103	3.496	1.63	30	
Surr: 2,4,6-Tribromophenol	4.62		4.649		99.4	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.24		2.324		96.3	31.1	114		0		

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-42805** SampType: **LCSD** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89435**
Client ID: **LCSW02** Batch ID: **42805** Analysis Date: **2/5/2024** SeqNo: **1867284**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	2.35		2.324		101	32	137		0		

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-42802** SampType: **MBLK** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **MBLKW** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867590**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0239									
Aroclor 1221	ND	0.0239									
Aroclor 1232	ND	0.0239									
Aroclor 1242	ND	0.0239									
Aroclor 1248	ND	0.0239									
Aroclor 1254	ND	0.0239									
Aroclor 1260	ND	0.0239									
Aroclor 1262	ND	0.0239									
Aroclor 1268	ND	0.0239									
Total PCBs	ND	0.0239									
Surr: Decachlorobiphenyl	476		477.8		99.7	5	169				
Surr: Tetrachloro-m-xylene	347		477.8		72.6	7.64	118				

Sample ID: **LCS-42802** SampType: **LCS** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **LCSW** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867591**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.76	0.0238	2.385	0	73.9	29.7	129				
Aroclor 1260	2.10	0.0238	2.385	0	87.9	25.8	142				
Surr: Decachlorobiphenyl	477		477.0		100	5	169				
Surr: Tetrachloro-m-xylene	324		477.0		68.0	7.64	118				

Sample ID: **2402006-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **BATCH** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867595**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.58	0.0239	2.387	0.02004	65.3	16.4	137				
Aroclor 1260	1.25	0.0239	2.387	0.009798	51.9	12.5	147				
Surr: Decachlorobiphenyl	253		477.3		53.1	5	169				
Surr: Tetrachloro-m-xylene	275		477.3		57.6	7.64	118				

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **2402006-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **BATCH** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867595**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2402006-001AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **BATCH** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867596**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.49	0.0239	2.388	0.02004	61.5	16.4	137	1.577	5.84	30	
Aroclor 1260	1.35	0.0239	2.388	0.009798	56.3	12.5	147	1.250	8.08	30	
Surr: Decachlorobiphenyl	316		477.7		66.1	5	169		0		
Surr: Tetrachloro-m-xylene	261		477.7		54.6	7.64	118		0		

Sample ID: **2402007-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **BATCH** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867598**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.53	0.0239	2.387	0.06254	61.5	16.4	137				
Aroclor 1260	1.50	0.0239	2.387	0.02980	61.8	12.5	147				
Surr: Decachlorobiphenyl	365		477.5		76.5	5	169				
Surr: Tetrachloro-m-xylene	306		477.5		64.0	7.64	118				

Sample ID: **2402007-001AMSD** SampType: **MSD** Units: **µg/L** Prep Date: **2/2/2024** RunNo: **89454**
Client ID: **BATCH** Batch ID: **42802** Analysis Date: **2/5/2024** SeqNo: **1867599**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.31	0.0239	2.393	0.06254	52.0	16.4	137	1.530	15.7	30	
Aroclor 1260	1.28	0.0239	2.393	0.02980	52.4	12.5	147	1.504	15.7	30	
Surr: Decachlorobiphenyl	291		478.5		60.9	5	169		0		
Surr: Tetrachloro-m-xylene	224		478.5		46.7	7.64	118		0		

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-42798**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/1/2024**	RunNo: **89392**
Client ID: **MBLKW**	Batch ID: **42798**		Analysis Date: **2/2/2024**	SeqNo: **1866484**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-42798**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/1/2024**	RunNo: **89392**
Client ID: **LCSW**	Batch ID: **42798**		Analysis Date: **2/2/2024**	SeqNo: **1866485**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	4.83	0.200	5.000	0	96.6	85	115				
Arsenic	101	0.500	100.0	0	101	85	115				
Chromium	110	0.750	100.0	0	110	85	115				
Copper	107	2.00	100.0	0	107	85	115				
Lead	54.1	0.500	50.00	0	108	85	115				
Nickel	107	0.500	100.0	0	107	85	115				
Zinc	106	2.50	100.0	0	106	85	115				

Sample ID: **2402024-001BDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/1/2024**	RunNo: **89392**
Client ID: **BATCH**	Batch ID: **42798**		Analysis Date: **2/2/2024**	SeqNo: **1866487**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	2.13	0.200						2.289	7.06	30	
Arsenic	1.40	0.500						1.519	8.44	30	
Chromium	4.50	0.750						4.594	2.02	30	
Copper	ND	2.00						0		30	
Lead	ND	0.500						0		30	
Nickel	0.511	0.500						0.5690	10.7	30	

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2402024-001BDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/1/2024**	RunNo: **89392**
Client ID: **BATCH**	Batch ID: **42798**		Analysis Date: **2/2/2024**	SeqNo: **1866487**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	ND	2.50						4.091	62.1	30	

Sample ID: **2402024-001BMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/1/2024**	RunNo: **89392**
Client ID: **BATCH**	Batch ID: **42798**		Analysis Date: **2/2/2024**	SeqNo: **1866488**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	7.46	0.200	5.000	2.289	103	70	130				
Arsenic	101	0.500	100.0	1.519	99.6	70	130				
Chromium	104	0.750	100.0	4.594	99.6	70	130				
Copper	101	2.00	100.0	1.295	99.3	70	130				
Lead	49.7	0.500	50.00	0.2430	98.9	70	130				
Nickel	100	0.500	100.0	0.5690	99.7	70	130				
Zinc	105	2.50	100.0	4.091	101	70	130				

Sample ID: **2401588-002AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/1/2024**	RunNo: **89392**
Client ID: **BATCH**	Batch ID: **42798**		Analysis Date: **2/2/2024**	SeqNo: **1866513**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	20.7	0.200	5.000	15.14	110	70	130				
Arsenic	103	0.500	100.0	1.470	102	70	130				
Chromium	106	0.750	100.0	0.5330	106	70	130				
Copper	111	2.00	100.0	0.6610	111	70	130				
Lead	52.1	0.500	50.00	0	104	70	130				
Nickel	106	0.500	100.0	0.2180	106	70	130				
Zinc	111	2.50	100.0	3.850	107	70	130				

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R89431**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **2/6/2024**	RunNo: **89431**
Client ID: **MBLKW**	Batch ID: **R89431**		Analysis Date: **2/6/2024**	SeqNo: **1867227**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R89431**	SampType: **LCS**	Units: **mg/L**	Prep Date: **2/6/2024**	RunNo: **89431**
Client ID: **LCSW**	Batch ID: **R89431**		Analysis Date: **2/6/2024**	SeqNo: **1867228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	244	3.00	300.0	0	81.3	65	135				

Sample ID: **2402025-001EDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **2/6/2024**	RunNo: **89431**
Client ID: **Batch 08-02-01-2024**	Batch ID: **R89431**		Analysis Date: **2/6/2024**	SeqNo: **1867230**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Work Order: 2402025
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R89420**	SampType: **MBLK**	Units: **NTU**	Prep Date: **2/5/2024**	RunNo: **89420**
Client ID: **MBLKW**	Batch ID: **R89420**		Analysis Date: **2/5/2024**	SeqNo: **1867000**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R89420**	SampType: **LCS**	Units: **NTU**	Prep Date: **2/5/2024**	RunNo: **89420**
Client ID: **LCSW**	Batch ID: **R89420**		Analysis Date: **2/5/2024**	SeqNo: **1867001**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.0	0.200	10.00	0	100	90	110				

Sample ID: **2402025-001EDUP**	SampType: **DUP**	Units: **NTU**	Prep Date: **2/5/2024**	RunNo: **89420**
Client ID: **Batch 08-02-01-2024**	Batch ID: **R89420**		Analysis Date: **2/5/2024**	SeqNo: **1867003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	0.590	0.200						0.5100	14.5	20	H

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Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2402025
Logged by:	Morgan Wilson	Date Received:	2/1/2024 4:20:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	15.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
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February 7, 2024

Brianna Barnes, Project Manager
Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103

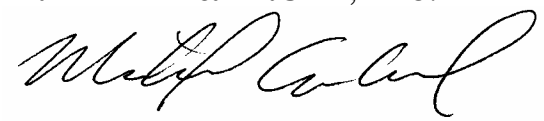
Dear Ms Barnes:

Included are the results from the testing of material submitted on February 2, 2024 from the Omega COCID 1962, F&BI 402031 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Kelley Lovejoy, Matthew Langston, SEA.PM@alliancetg
FRE0207R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 2, 2024 by Friedman & Bruya, Inc. from the Fremont Analytical Omega COCID 1962, F&BI 402031 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Fremont Analytical
402031 -01	2402025-001D

All quality control requirements were acceptable.

Date of Report: 02/07/24
Date Received: 02/02/24
Project: Omega COCID 1962, F&BI 402031
Date Extracted: 02/02/24
Date Analyzed: 02/05/24

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL MERCURY USING EPA METHOD 1631E

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Total Mercury
2402025-001D 402031-01	0.0097
Method Blank i4-82 MB2	<0.0008

Date of Report: 02/07/24
Date Received: 02/02/24
Project: Omega COCID 1962, F&BI 402031

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TRACE TOTAL MERCURY USING EPA METHOD 1631E

Laboratory Code: 402016-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	ug/L (ppb)	0.01	<0.0008	111	115	71-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	ug/L (ppb)	0.01	108	66-126

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased low; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Fremont Analytical
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CHAIN OF CUSTODY RECORD

Omega COCID 1962 | PAGE: 1 | OF: 1

402031

02/02/24 KI

ADDRESS
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TEL: 206-352-3790
FAX: 206-352-7178
Website: www.fremontanalytical.com

SUB CONTRATOR: Friedman & Bruya	COMPANY: Friedman & Bruya
ADDRESS: 3012 16th Avenue West	
CITY, STATE, ZIP: Seattle, WA 98119	
PHONE: (206) 285-8282	FAX: EMAIL:
ACCOUNT #:	

SPECIAL INSTRUCTIONS / COMMENTS:
RUSH 3 DAY TAT. Please email results to SEA.PM@alliancetg.com

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	LabID	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	2402025-001D	Batch 08-02-01-20	AMBER GLASS 2	Water	2/1/2024 2:30:00 PM	1	01	M-1631-W, PREP-1631-W

Samples received at 4 °C

Relinquished By:	Date: 2/2/24	Time: 820	Received By:	Date: 02/02/24	Time: 1105
Relinquished By:	Date:	Time:	Received By: Devin Phan	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples ____ °C Attempt to Cool ? ____
Comments: ____

eurofins | Built Environment Testing
Labcor

Report for:

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103

Regarding:

Project ID:
Project Description: COCID 1963
PO Number:
Eurofins ID: 3527815R01

PWSID

Service:	Date of Analysis:
EPA 100.2 - Asbestos in Drinking Wate	2/6/2024

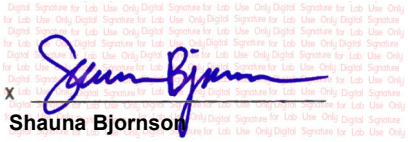
Service SOPs: Asbestos TEM EPA 100.2 Drinking Water - All Fibers (>=0.5 um only); (SOP:TM-500-V01_1.02)
NELAP Lab ID: 11747

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume. Interpretation of these results is the sole responsibility of the client.

Eurofins EPK Built Environment Testing, LLC ('the Company'), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Approved by:



Shauna Bjornson
Eurofins - LabCor Seattle

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Summary Data - Final Report

Job Number: 3527815 SEA
Client: Alliance Technical Group-Fremont Analytical, Inc.
Report Number: 3527815R01
Project Name: COCID 1963
Date Received: 2/5/2024

Eurofins Sample No.: S1
Client Sample No.: 2402025-001F - WA Water ID#: 11925369
Filter Fraction: 1
Aliquot Dilution: 1
Begin Volume: 10 ml
Final Dilution: 1
Volume Taken: 10 ml

Sample Area/Mass/Volume (ml) : 800
Lab Filter Area (mm2) : 289.38
Grid Openings Analyzed : 13
Average Grid Opening Area : 0.012
Area Analyzed (mm2) : 0.156
Analytical Sens. (struc/MFL>10-um) : 0.186

Analyst(s)	Analysis Date	Microscope	Magnification
SB	2/6/2024	JEOL-Sr 1200	10000

Structure Type	Concen-tration MFL>10-um	95% Confidence Interval MFL>10-um	Structure Count[1] Prim/Total	
TEM Water Amphibole	< 0.186	0 - 0.684 - Poisson	0	
TEM Water Chrysotile	< 0.186	0 - 0.684 - Poisson	0	
TEM Water Total	< 0.186	0 - 0.684 - Poisson	0	

Reviewed by:

x

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Raw Data - Final Report

SEA **Modified EPA 100.2**

Report for: Alliance Technical Group-Fremont Analytical, Inc.

Report ID: 3527815R01

Project Name: COCID 1963

Date Received: 2/5/2024

Project No.:

Client Sample Num: 2402025-001F

Description:

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G4	1	E44				NSD							
G4	2	F43				NSD							
G4	3	F51				NSD							
G4	4	C34				NSD							
G4	5	E33				NSD							
G5	6	E42				NSD							
G5	7	F41				NSD							
G5	8	F33				NSD							
G5	9	F51				NSD							
G5	10	G52				NSD							
G6	11	E42				NSD							
G6	12	F41				NSD							
G6	13	F44				NSD							

Count Categories

Water_Amph	TEM Water Amphibole	WATER_Chrys	TEM Water Chrysotile	WATER_Total	TEM Water Total

Reviewed by:

X

Shauna Bjornson
Eurofins - LabCor Seattle

Fremont Analytical
An Alliance Technical Group Company

CHAIN OF CUSTODY RECORD

Omega COCID 1963 | PAGE: 1 | OF: 1

003527815

ADDRESS
Fremont Analytical, Inc.
3600 Fremont Ave. N.
Seattle, WA 98103
TEL: 206-352-3790
FAX: 206-352-7178
Website: www.fremontanalytical.com

SUB CONTRATOR: LabCor	COMPANY: Lab/Cor, Inc.
ADDRESS: 7619 6th Ave NW	
CITY, STATE, ZIP: Seattle, WA 98117	
PHONE: (206) 781-0155	FAX: (206) 789-8424 EMAIL:
ACCOUNT #	

SPECIAL INSTRUCTIONS / COMMENTS:
RUSH 2 DAY TAT. Please email results to SEA.PM@alliancetg.com

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	2402025-001F	Batch 08-02-01-20	1 L HDPE NON	Water	2/1/2024 2:30:00 PM	1	Asbestos 100.1
	TEST_SUB						

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	2/2/24	820	[signature]	2/2/24	0930
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard ☐ RUSH Next BD ☐ 2nd BD ☐ 3rd BD ☐

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
☐ HARDCOPY (extra cost) ☐ FAX ☐ EMAIL ☐ ONLINE

FOR LAB USE ONLY
Temp of samples 1.1°C °C Attempt to Cool ? on ice
Comments:

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 2-1-24 Page: 1 of: 1

Laboratory Project No (internal): 2402025

Project Name: ANACORTES Demo Project

Special Remarks:

Client: 3 Kings Enviromental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: Battle Ground WA 98604

Location: MT. VERNON

Telephone: 360-921-8702

Report To (PM): JASON HAWKS

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3KingsInc.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos 1332-21-4	Turbidity | PH	TSS	LL HG	Comments
1 BATCH D8-02-01-2024	2-1-24	2:30P	W	6							X	X	X			X	X	X	X	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas King	Thomas King	2-1-24 4:20	x	Nathan Moller	2/1/24 1620
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2402075

February 09, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 2/6/2024 for the analyses presented in the following report.

Mercury by EPA Method 245.1
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Date: *02/09/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2402075

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2402075-001	Batch 09-02-06-2024	02/06/2024 9:00 AM	02/06/2024 10:55 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2402075**
Date: **2/9/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2402075-001E
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2402075-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2402075-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 2/6/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2402075-001
Matrix: Water
Client Sample ID: **Batch 09-02-06-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 42840		Analyst: SK
Aroclor 1016	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1221	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1232	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1242	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1248	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1254	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1260	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1262	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Aroclor 1268	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Total PCBs	ND	0.0248		µg/L	1	2/8/2024 9:07:54 AM
Surr: Decachlorobiphenyl	71.5	5 - 169		%Rec	1	2/8/2024 9:07:54 AM
Surr: Tetrachloro-m-xylene	62.6	7.64 - 118		%Rec	1	2/8/2024 9:07:54 AM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 42875		Analyst: RG
Acenaphthene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Fluorene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Phenanthrene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Anthracene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Fluoranthene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Pyrene	ND	0.197		µg/L	1	2/9/2024 1:18:58 PM
Benz(a)anthracene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Chrysene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Benzo(b)fluoranthene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Benzo(k)fluoranthene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Benzo(a)pyrene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Indeno(1,2,3-cd)pyrene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Dibenz(a,h)anthracene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Benzo(g,h,i)perylene	ND	0.0985		µg/L	1	2/9/2024 1:18:58 PM
Surr: 2-Fluorobiphenyl	99.6	31.1 - 114		%Rec	1	2/9/2024 1:18:58 PM
Surr: Terphenyl-d14	102	32 - 137		%Rec	1	2/9/2024 1:18:58 PM
Mercury by EPA Method 245.1				Batch ID: 42865		Analyst: SS
Mercury	ND	0.100		µg/L	1	2/8/2024 2:55:02 PM
Total Metals by EPA Method 200.8				Batch ID: 42851		Analyst: ME
Antimony	18.6	0.200		µg/L	1	2/7/2024 4:07:00 PM

Analytical Report

Work Order: **2402075**
Date Reported: **2/9/2024**

Client: 3 Kings Environmental
Collection Date: 2/6/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2402075-001
Matrix: Water
Client Sample ID: **Batch 09-02-06-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 42851		Analyst: ME
Arsenic	5.14	0.500		µg/L	1	2/7/2024 4:07:00 PM
Chromium	4.90	0.750		µg/L	1	2/7/2024 4:07:00 PM
Copper	8.19	2.00		µg/L	1	2/7/2024 4:07:00 PM
Lead	ND	0.500		µg/L	1	2/7/2024 4:07:00 PM
Nickel	1.08	0.500		µg/L	1	2/7/2024 4:07:00 PM
Zinc	152	2.50		µg/L	1	2/7/2024 4:07:00 PM
pH by SM 4500H+B				Batch ID: R89518		Analyst: AM
Hydrogen Ion (pH)	7.45		H	pH	1	2/6/2024 12:25:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R89485		Analyst: NR
Total Suspended Solids	ND	3.00		mg/L	1	2/8/2024 9:20:13 AM
Turbidity by EPA Method 180.1				Batch ID: R89519		Analyst: AM
Turbidity	0.900	0.200		NTU	1	2/6/2024 12:30:00 PM

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-42865**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/8/2024**	RunNo: **89515**
Client ID: **MBLKW**	Batch ID: **42865**		Analysis Date: **2/8/2024**	SeqNo: **1868843**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.108	0.100									

Sample ID: **LCS-42865**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/8/2024**	RunNo: **89515**
Client ID: **LCSW**	Batch ID: **42865**		Analysis Date: **2/8/2024**	SeqNo: **1868844**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.991	0.100	1.000	0	99.1	85	115				B

Sample ID: **2402075-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/8/2024**	RunNo: **89515**
Client ID: **Batch 09-02-06-2024**	Batch ID: **42865**		Analysis Date: **2/8/2024**	SeqNo: **1868846**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2402075-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/8/2024**	RunNo: **89515**
Client ID: **Batch 09-02-06-2024**	Batch ID: **42865**		Analysis Date: **2/8/2024**	SeqNo: **1868847**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.904	0.100	1.000	0	90.4	70	130				B

Sample ID: **2402075-001CMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **2/8/2024**	RunNo: **89515**
Client ID: **Batch 09-02-06-2024**	Batch ID: **42865**		Analysis Date: **2/8/2024**	SeqNo: **1868848**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.903	0.100	1.000	0	90.3	70	130	0.9040	0.111	20	B

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: MB-R89518	SampType: MBLK	Units: pH	Prep Date: 2/6/2024	RunNo: 89518
Client ID: MBLKW	Batch ID: R89518		Analysis Date: 2/6/2024	SeqNo: 1868866

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.58										

Sample ID: LCS-R89518	SampType: LCS	Units: pH	Prep Date: 2/6/2024	RunNo: 89518
Client ID: LCSW	Batch ID: R89518		Analysis Date: 2/6/2024	SeqNo: 1868867

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.11		7.000	0	102	95	105				

Sample ID: 2402075-001DDUP	SampType: DUP	Units: pH	Prep Date: 2/6/2024	RunNo: 89518
Client ID: Batch 09-02-06-2024	Batch ID: R89518		Analysis Date: 2/6/2024	SeqNo: 1868869

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.44							7.450	0.134	10	H

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-42875** SampType: **MBLK** Units: **µg/L** Prep Date: **2/8/2024** RunNo: **89541**
Client ID: **MBLKW** Batch ID: **42875** Analysis Date: **2/9/2024** SeqNo: **1869236**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0950									
Fluorene	ND	0.0950									
Phenanthrene	ND	0.0950									
Anthracene	ND	0.0950									
Fluoranthene	ND	0.0950									
Pyrene	ND	0.190									
Benz(a)anthracene	ND	0.0950									
Chrysene	ND	0.0950									
Benzo(b)fluoranthene	ND	0.0950									
Benzo(k)fluoranthene	ND	0.0950									
Benzo(a)pyrene	ND	0.0950									
Indeno(1,2,3-cd)pyrene	ND	0.0950									
Dibenz(a,h)anthracene	ND	0.0950									
Benzo(g,h,i)perylene	ND	0.0950									
Surr: 2,4,6-Tribromophenol	3.73		4.752		78.4	31.3	143				
Surr: 2-Fluorobiphenyl	2.21		2.376		93.0	31.1	114				
Surr: Terphenyl-d14	2.27		2.376		95.4	32	137				

Sample ID: **LCS-42875** SampType: **LCS** Units: **µg/L** Prep Date: **2/8/2024** RunNo: **89541**
Client ID: **LCSW** Batch ID: **42875** Analysis Date: **2/9/2024** SeqNo: **1869237**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.65	0.0937	4.686	0	77.9	38	106				
Fluorene	3.66	0.0937	4.686	0	78.0	42.9	109				
Phenanthrene	3.65	0.0937	4.686	0	77.8	44	109				
Anthracene	3.25	0.0937	4.686	0	69.4	38.2	107				
Fluoranthene	3.70	0.0937	4.686	0	79.0	47.3	115				
Pyrene	3.71	0.187	4.686	0	79.1	46.8	114				
Benz(a)anthracene	3.50	0.0937	4.686	0	74.8	48	123				
Chrysene	3.58	0.0937	4.686	0	76.4	45.2	105				

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-42875** SampType: **LCS** Units: **µg/L** Prep Date: **2/8/2024** RunNo: **89541**
Client ID: **LCSW** Batch ID: **42875** Analysis Date: **2/9/2024** SeqNo: **1869237**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	3.44	0.0937	4.686	0	73.3	46.2	111				
Benzo(k)fluoranthene	3.57	0.0937	4.686	0	76.2	44.5	105				
Benzo(a)pyrene	2.94	0.0937	4.686	0	62.8	41.6	108				
Indeno(1,2,3-cd)pyrene	3.40	0.0937	4.686	0	72.5	39.2	105				
Dibenz(a,h)anthracene	3.23	0.0937	4.686	0	68.9	35.2	105				
Benzo(g,h,i)perylene	3.27	0.0937	4.686	0	69.7	37.9	103				
Surr: 2,4,6-Tribromophenol	4.51		4.686		96.1	31.3	143				
Surr: 2-Fluorobiphenyl	2.24		2.343		95.8	31.1	114				
Surr: Terphenyl-d14	2.26		2.343		96.4	32	137				

Sample ID: **LCSD-42875** SampType: **LCSD** Units: **µg/L** Prep Date: **2/8/2024** RunNo: **89541**
Client ID: **LCSW02** Batch ID: **42875** Analysis Date: **2/9/2024** SeqNo: **1869239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.79	0.0939	4.694	0	80.8	38	106	3.651	3.78	30	
Fluorene	3.82	0.0939	4.694	0	81.4	42.9	109	3.655	4.47	30	
Phenanthrene	3.78	0.0939	4.694	0	80.5	44	109	3.646	3.51	30	
Anthracene	3.38	0.0939	4.694	0	72.1	38.2	107	3.250	4.02	30	
Fluoranthene	3.86	0.0939	4.694	0	82.1	47.3	115	3.704	4.00	30	
Pyrene	3.86	0.188	4.694	0	82.2	46.8	114	3.709	3.91	30	
Benz(a)anthracene	3.67	0.0939	4.694	0	78.2	48	123	3.503	4.71	30	
Chrysene	3.69	0.0939	4.694	0	78.7	45.2	105	3.581	3.08	30	
Benzo(b)fluoranthene	3.60	0.0939	4.694	0	76.6	46.2	111	3.435	4.57	30	
Benzo(k)fluoranthene	3.63	0.0939	4.694	0	77.2	44.5	105	3.571	1.50	30	
Benzo(a)pyrene	3.16	0.0939	4.694	0	67.4	41.6	108	2.944	7.17	30	
Indeno(1,2,3-cd)pyrene	3.45	0.0939	4.694	0	73.5	39.2	105	3.397	1.54	30	
Dibenz(a,h)anthracene	3.24	0.0939	4.694	0	69.1	35.2	105	3.228	0.403	30	
Benzo(g,h,i)perylene	3.33	0.0939	4.694	0	71.0	37.9	103	3.267	1.96	30	
Surr: 2,4,6-Tribromophenol	4.83		4.694		103	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.25		2.347		95.7	31.1	114		0		

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-42875** SampType: **LCSD** Units: **µg/L** Prep Date: **2/8/2024** RunNo: **89541**
Client ID: **LCSW02** Batch ID: **42875** Analysis Date: **2/9/2024** SeqNo: **1869239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	2.34		2.347		99.6	32	137		0		

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-42840** SampType: **MBLK** Units: **µg/L** Prep Date: **2/6/2024** RunNo: **89521**
Client ID: **MBLKW** Batch ID: **42840** Analysis Date: **2/8/2024** SeqNo: **1868907**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0248									
Aroclor 1221	ND	0.0248									
Aroclor 1232	ND	0.0248									
Aroclor 1242	ND	0.0248									
Aroclor 1248	ND	0.0248									
Aroclor 1254	ND	0.0248									
Aroclor 1260	ND	0.0248									
Aroclor 1262	ND	0.0248									
Aroclor 1268	ND	0.0248									
Total PCBs	ND	0.0248									
Surr: Decachlorobiphenyl	374		495.2		75.5	5	169				
Surr: Tetrachloro-m-xylene	312		495.2		63.1	7.64	118				

Sample ID: **LCS-42840** SampType: **LCS** Units: **µg/L** Prep Date: **2/6/2024** RunNo: **89521**
Client ID: **LCSW** Batch ID: **42840** Analysis Date: **2/8/2024** SeqNo: **1868908**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.74	0.0247	2.473	0	70.4	29.7	129				
Aroclor 1260	1.77	0.0247	2.473	0	71.6	25.8	142				
Surr: Decachlorobiphenyl	349		494.5		70.7	5	169				
Surr: Tetrachloro-m-xylene	300		494.5		60.7	7.64	118				

Sample ID: **LCSD-42840** SampType: **LCSD** Units: **µg/L** Prep Date: **2/6/2024** RunNo: **89521**
Client ID: **LCSW02** Batch ID: **42840** Analysis Date: **2/8/2024** SeqNo: **1868909**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.98	0.0249	2.486	0	79.5	29.7	129	1.740	12.8	20	
Aroclor 1260	2.01	0.0249	2.486	0	80.7	25.8	142	1.770	12.6	20	
Surr: Decachlorobiphenyl	439		497.2		88.3	5	169		0		
Surr: Tetrachloro-m-xylene	339		497.2		68.1	7.64	118		0		

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCSD-42840**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **2/6/2024**			RunNo: **89521**		
Client ID: **LCSW02**	Batch ID: **42840**					Analysis Date: **2/8/2024**			SeqNo: **1868909**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-42851** SampType: **MBLK** Units: **µg/L** Prep Date: **2/7/2024** RunNo: **89484**
Client ID: **MBLKW** Batch ID: **42851** Analysis Date: **2/7/2024** SeqNo: **1868206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-42851** SampType: **LCS** Units: **µg/L** Prep Date: **2/7/2024** RunNo: **89484**
Client ID: **LCSW** Batch ID: **42851** Analysis Date: **2/7/2024** SeqNo: **1868207**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	4.86	0.200	5.000	0	97.1	85	115				
Arsenic	102	0.500	100.0	0	102	85	115				
Chromium	107	0.750	100.0	0	107	85	115				
Copper	111	2.00	100.0	0	111	85	115				
Lead	50.1	0.500	50.00	0	100	85	115				
Nickel	102	0.500	100.0	0	102	85	115				
Zinc	102	2.50	100.0	0	102	85	115				

Sample ID: **2402073-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **2/7/2024** RunNo: **89484**
Client ID: **BATCH** Batch ID: **42851** Analysis Date: **2/7/2024** SeqNo: **1868209**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	13.0	0.200						12.88	1.21	30	
Arsenic	4.01	0.500						3.203	22.5	30	
Chromium	28.9	0.750						27.02	6.88	30	
Copper	20.3	2.00						18.55	9.15	30	
Lead	2.18	0.500						1.718	23.7	30	
Nickel	35.2	0.500						33.24	5.61	30	

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2402073-001ADUP**	SampType: **DUP**			Units: **µg/L**		Prep Date: **2/7/2024**		RunNo: **89484**			
Client ID: **BATCH**	Batch ID: **42851**					Analysis Date: **2/7/2024**		SeqNo: **1868209**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	432	2.50						402.4	7.12	30	

Sample ID: **2402073-001AMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **2/7/2024**		RunNo: **89484**			
Client ID: **BATCH**	Batch ID: **42851**					Analysis Date: **2/7/2024**		SeqNo: **1868210**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	18.2	0.200	5.000	12.88	107	70	130				
Arsenic	103	0.500	100.0	3.203	99.7	70	130				
Chromium	133	0.750	100.0	27.02	106	70	130				
Copper	128	2.00	100.0	18.55	109	70	130				
Lead	52.3	0.500	50.00	1.718	101	70	130				
Nickel	136	0.500	100.0	33.24	103	70	130				
Zinc	514	2.50	100.0	402.4	112	70	130				E

Sample ID: **2402080-001AMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **2/7/2024**		RunNo: **89484**			
Client ID: **BATCH**	Batch ID: **42851**					Analysis Date: **2/7/2024**		SeqNo: **1868229**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	6.14	0.200	5.000	1.393	94.9	70	130				
Arsenic	101	0.500	100.0	2.505	98.7	70	130				
Chromium	114	0.750	100.0	13.15	101	70	130				
Copper	120	2.00	100.0	17.64	103	70	130				
Lead	90.3	0.500	50.00	42.36	95.9	70	130				
Nickel	104	0.500	100.0	10.25	93.9	70	130				
Zinc	182	2.50	100.0	85.41	96.7	70	130				

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R89485**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **2/8/2024**	RunNo: **89485**
Client ID: **MBLKW**	Batch ID: **R89485**		Analysis Date: **2/8/2024**	SeqNo: **1868240**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R89485**	SampType: **LCS**	Units: **mg/L**	Prep Date: **2/8/2024**	RunNo: **89485**
Client ID: **LCSW**	Batch ID: **R89485**		Analysis Date: **2/8/2024**	SeqNo: **1868241**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	276	3.00	300.0	0	92.2	65	135				

Sample ID: **2402075-001DDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **2/8/2024**	RunNo: **89485**
Client ID: **Batch 09-02-06-2024**	Batch ID: **R89485**		Analysis Date: **2/8/2024**	SeqNo: **1868243**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00						0		30	

Work Order: 2402075
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R89519**	SampType: **MBLK**			Units: **NTU**		Prep Date: **2/6/2024**			RunNo: **89519**	
Client ID: **MBLKW**	Batch ID: **R89519**					Analysis Date: **2/6/2024**			SeqNo: **1868880**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R89519**	SampType: **LCS**			Units: **NTU**		Prep Date: **2/6/2024**			RunNo: **89519**	
Client ID: **LCSW**	Batch ID: **R89519**					Analysis Date: **2/6/2024**			SeqNo: **1868881**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.2	0.200	10.00	0	102	90	110				

Sample ID: **2402075-001DDUP**	SampType: **DUP**			Units: **NTU**		Prep Date: **2/6/2024**			RunNo: **89519**	
Client ID: **Batch 09-02-06-2024**	Batch ID: **R89519**					Analysis Date: **2/6/2024**			SeqNo: **1868883**	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	1.00	0.200						0.9000	10.5	20	

Fremont Analytical
An Alliance Technical Group Company

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2402075
Logged by:	Clare Griggs	Date Received:	2/6/2024 10:55:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	4.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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Labcor

Report for:

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103

Regarding:

Project ID: Omega COCID 1965
Project Description:
PO Number:
Eurofins ID: 3530813R01
PWSID:

Service:
EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only)

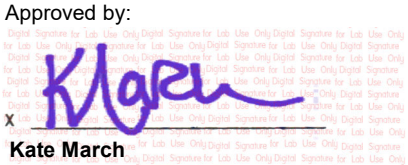
Service SOPs: Asbestos TEM EPA 100.2 Drinking Water - All Fibers (>=0.5 um only); (SOP:TM-500-V01_1.02)
NELAP Lab ID: 11747

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume. Interpretation of these results is the sole responsibility of the client.

Eurofins EPK Built Environment Testing, LLC ('the Company'), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Approved by:



Kate March
Eurofins - LabCor Seattle

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Summary Data - Final Report

Job Number: 3530813 SEA

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 3530813R01

Project Name:

Date Received: 2/6/2024

Eurofins Sample No.: S1

Client Sample No.: 2402075-001E - WA Water ID#: 11925370

Filter Fraction: 1

Aliquot Dilution: 1

Begin Volume: 2.5 ml

Final Dilution: 1

Volume Taken: 2.5 ml

Sample Area/Mass/Volume (ml) : 800

Lab Filter Area (mm2) : 289.38

Grid Openings Analyzed : 20

Average Grid Opening Area : 0.012

Area Analyzed (mm2) : 0.24

Analytical Sens. (struc/MFL>10-um) : 0.482

Structure Type	Concen-tration MFL>10-um	95% Confidence Interval MFL>10-um	Structure Count[1] Prim/Total	
TEM Water Amphibole	< 0.482	0 - 1.779 - Poisson	0	
TEM Water Chrysotile	< 0.482	0 - 1.779 - Poisson	0	
TEM Water Total	< 0.482	0 - 1.779 - Poisson	0	

Reviewed by:

X

Kate March
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Raw Data - Final Report

SEA **Modified EPA 100.2**

Report for: Alliance Technical Group-Fremont Analytical, Inc.

Report ID: 3530813R01

Project Name:

Date Received: 2/6/2024

Project No.: Omega COCID 1965

Client Sample Num: 2402075-001E

Description:

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	1	C34				NSD							
G7	2	E33				NSD							
G7	3	E42				NSD							
G7	4	F41				NSD							
G7	5	F44				NSD							
G7	6	G43				NSD							
G7	7	G44				NSD							
G8	8	E34				NSD							
G8	9	F33				NSD							
G8	10	F42				NSD							
G8	11	G41				NSD							
G8	12	G44				NSD							
G8	13	H43				NSD							
G8	14	F51				NSD							
G8	15	F52				NSD							
G9	16	C34				NSD							
G9	17	E33				NSD							
G9	18	E42				NSD							
G9	19	F41	NAS	1		Fiber	2	0.2	10	Non Asbestos Structure	Na, Al, Si, Ca		
G9	20	F44				NSD							

Count Categories

Water_Amph	TEM Water Amphibole	WATER_Chrys	TEM Water Chrysotile	WATER_Total	TEM Water Total

Reviewed by:

X

Kate March
Eurofins - LabCor Seattle

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 2-6-2024 Page: 1 of: 1

Laboratory Project No (internal): 2402075

Project Name: Anacortes Demo Project

Special Remarks:

Client: 3 Kings Environmental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: Battle Ground WA 98604

Location: Mt. Vernon

Telephone: 360-921-8702

Report To (PM): Jason Hawks

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): ~~EEE~~ TKing@3KingsInc.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total [T] | Dissolved (D)	Anions (IC)***	EDB (8011)	Pb Metals 1332-21-4	Turbidity 1 PH	TSS	12 H6	Comments
1 Batch 09-02-06-2024	2-6-24	9:00A	W	6							X	X	X				X	X	X	X	
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas King	Thomas King	2-6-24 1055	x	Muffington	2/6/24 1055
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2402455

February 29, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 2/26/2024 for the analyses presented in the following report.

Mercury by EPA Method 245.1
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *02/29/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2402455

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2402455-001	Batch 10-2-26-2024	02/26/2024 9:00 AM	02/26/2024 12:46 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2402455**
Date: **2/29/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2402455-001E
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2402455-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2402455-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 2/26/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2402455-001
Matrix: Water
Client Sample ID: **Batch 10-2-26-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 43046		Analyst: CO
Aroclor 1016	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1221	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1232	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1242	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1248	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1254	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1260	0.0342	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1262	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Aroclor 1268	ND	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Total PCBs	0.0342	0.0250		µg/L	1	2/28/2024 9:13:23 AM
Surr: Decachlorobiphenyl	64.6	5 - 169		%Rec	1	2/28/2024 9:13:23 AM
Surr: Tetrachloro-m-xylene	77.5	7.64 - 118		%Rec	1	2/28/2024 9:13:23 AM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 43043		Analyst: RG
Acenaphthene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Fluorene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Phenanthrene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Anthracene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Fluoranthene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Pyrene	ND	0.190		µg/L	1	2/29/2024 6:17:44 AM
Benz(a)anthracene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Chrysene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Benzo(b)fluoranthene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Benzo(k)fluoranthene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Benzo(a)pyrene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Indeno(1,2,3-cd)pyrene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Dibenz(a,h)anthracene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Benzo(g,h,i)perylene	ND	0.0949		µg/L	1	2/29/2024 6:17:44 AM
Surr: 2-Fluorobiphenyl	98.1	29.7 - 124		%Rec	1	2/29/2024 6:17:44 AM
Surr: Terphenyl-d14	93.0	36.9 - 152		%Rec	1	2/29/2024 6:17:44 AM
Mercury by EPA Method 245.1				Batch ID: 43084		Analyst: SLL
Mercury	ND	0.100		µg/L	1	2/29/2024 12:10:12 PM
Total Metals by EPA Method 200.8				Batch ID: 43051		Analyst: ME
Antimony	21.5	0.200		µg/L	1	2/27/2024 1:52:00 PM

Analytical Report

Work Order: **2402455**
Date Reported: **2/29/2024**

Client: 3 Kings Environmental
Collection Date: 2/26/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2402455-001
Matrix: Water
Client Sample ID: **Batch 10-2-26-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 43051		Analyst: ME
Arsenic	7.52	0.500		µg/L	1	2/27/2024 1:52:00 PM
Chromium	ND	0.750		µg/L	1	2/27/2024 1:52:00 PM
Copper	3.55	2.00		µg/L	1	2/27/2024 1:52:00 PM
Lead	ND	0.500		µg/L	1	2/27/2024 1:52:00 PM
Nickel	0.927	0.500		µg/L	1	2/27/2024 1:52:00 PM
Zinc	20.9	2.50		µg/L	1	2/27/2024 1:52:00 PM
pH by SM 4500H+B				Batch ID: R89871		Analyst: NK
Hydrogen Ion (pH)	7.51		H	pH	1	2/26/2024 12:05:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R89849		Analyst: NR
Total Suspended Solids	ND	3.00		mg/L	1	2/27/2024 11:15:57 AM
Turbidity by EPA Method 180.1				Batch ID: R89933		Analyst: NK
Turbidity	1.44	0.200		NTU	1	2/26/2024 3:25:00 PM

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-43084**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **2/28/2024**	RunNo: **89921**
Client ID: **MBLKW**	Batch ID: **43084**		Analysis Date: **2/29/2024**	SeqNo: **1876413**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-43084**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/28/2024**	RunNo: **89921**
Client ID: **LCSW**	Batch ID: **43084**		Analysis Date: **2/29/2024**	SeqNo: **1876414**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.11	0.100	1.000	0	111	85	115				

Sample ID: **2402472-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/28/2024**	RunNo: **89921**
Client ID: **BATCH**	Batch ID: **43084**		Analysis Date: **2/29/2024**	SeqNo: **1876416**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2402472-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/28/2024**	RunNo: **89921**
Client ID: **BATCH**	Batch ID: **43084**		Analysis Date: **2/29/2024**	SeqNo: **1876417**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.08	0.100	1.000	0	108	70	130				

Sample ID: **2402472-001CMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **2/28/2024**	RunNo: **89921**
Client ID: **BATCH**	Batch ID: **43084**		Analysis Date: **2/29/2024**	SeqNo: **1876418**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.14	0.100	1.000	0	114	70	130	1.080	5.41	20	

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R89871**	SampType: **MBLK**	Units: **pH**	Prep Date: **2/26/2024**	RunNo: **89871**
Client ID: **MBLKW**	Batch ID: **R89871**		Analysis Date: **2/26/2024**	SeqNo: **1875555**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.61										

Sample ID: **LCS-R89871**	SampType: **LCS**	Units: **pH**	Prep Date: **2/26/2024**	RunNo: **89871**
Client ID: **LCSW**	Batch ID: **R89871**		Analysis Date: **2/26/2024**	SeqNo: **1875556**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.15		7.000	0	102	95	105				

Sample ID: **2402452-001ADUP**	SampType: **DUP**	Units: **pH**	Prep Date: **2/26/2024**	RunNo: **89871**
Client ID: **BATCH**	Batch ID: **R89871**		Analysis Date: **2/26/2024**	SeqNo: **1875558**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	9.30							9.280	0.215	10	H

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-43043** SampType: **MBLK** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89870**
Client ID: **MBLKW** Batch ID: **43043** Analysis Date: **2/26/2024** SeqNo: **1875540**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.100									
Fluorene	ND	0.100									
Phenanthrene	ND	0.100									
Anthracene	ND	0.100									
Fluoranthene	ND	0.100									
Pyrene	ND	0.200									
Benz(a)anthracene	ND	0.100									
Chrysene	ND	0.100									
Benzo(b)fluoranthene	ND	0.100									
Benzo(k)fluoranthene	ND	0.100									
Benzo(a)pyrene	ND	0.100									
Indeno(1,2,3-cd)pyrene	ND	0.100									
Dibenz(a,h)anthracene	ND	0.100									
Benzo(g,h,i)perylene	ND	0.100									
Surr: 2,4,6-Tribromophenol	4.03		5.000		80.6	31.3	143				
Surr: 2-Fluorobiphenyl	2.01		2.500		80.3	29.7	124				
Surr: Terphenyl-d14	2.58		2.500		103	36.9	152				

Sample ID: **LCS-43043** SampType: **LCS** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89870**
Client ID: **LCSW** Batch ID: **43043** Analysis Date: **2/26/2024** SeqNo: **1875541**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	2.94	0.0938	4.689	0	62.6	38	106				
Fluorene	3.00	0.0938	4.689	0	63.9	42.9	109				
Phenanthrene	3.03	0.0938	4.689	0	64.5	44	109				
Anthracene	3.06	0.0938	4.689	0	65.2	38.2	107				
Fluoranthene	3.18	0.0938	4.689	0	67.7	47.3	115				
Pyrene	3.20	0.188	4.689	0	68.2	46.8	114				
Benz(a)anthracene	3.18	0.0938	4.689	0	67.7	48	123				
Chrysene	3.01	0.0938	4.689	0	64.3	45.2	105				

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-43043** SampType: **LCS** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89870**
Client ID: **LCSW** Batch ID: **43043** Analysis Date: **2/26/2024** SeqNo: **1875541**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	3.04	0.0938	4.689	0	64.8	46.2	111				
Benzo(k)fluoranthene	3.04	0.0938	4.689	0	64.9	44.5	105				
Benzo(a)pyrene	3.15	0.0938	4.689	0	67.1	41.6	108				
Indeno(1,2,3-cd)pyrene	3.04	0.0938	4.689	0	64.8	39.2	105				
Dibenz(a,h)anthracene	2.98	0.0938	4.689	0	63.5	35.2	105				
Benzo(g,h,i)perylene	2.81	0.0938	4.689	0	59.9	37.9	103				
Surr: 2,4,6-Tribromophenol	4.38		4.689		93.4	31.3	143				
Surr: 2-Fluorobiphenyl	2.04		2.345		87.0	29.7	124				
Surr: Terphenyl-d14	2.28		2.345		97.1	36.9	152				

Sample ID: **LCSD-43043** SampType: **LCSD** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89870**
Client ID: **LCSW02** Batch ID: **43043** Analysis Date: **2/26/2024** SeqNo: **1875542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.65	0.100	5.000	0	72.9	38	106	2.936	21.6	30	
Fluorene	3.72	0.100	5.000	0	74.4	42.9	109	2.996	21.5	30	
Phenanthrene	3.74	0.100	5.000	0	74.8	44	109	3.025	21.1	30	
Anthracene	3.84	0.100	5.000	0	76.7	38.2	107	3.056	22.7	30	
Fluoranthene	3.92	0.100	5.000	0	78.4	47.3	115	3.176	21.0	30	
Pyrene	3.94	0.200	5.000	0	78.9	46.8	114	3.199	20.9	30	
Benz(a)anthracene	3.93	0.100	5.000	0	78.7	48	123	3.177	21.3	30	
Chrysene	3.77	0.100	5.000	0	75.4	45.2	105	3.014	22.3	30	
Benzo(b)fluoranthene	3.81	0.100	5.000	0	76.2	46.2	111	3.040	22.4	30	
Benzo(k)fluoranthene	3.82	0.100	5.000	0	76.3	44.5	105	3.044	22.5	30	
Benzo(a)pyrene	3.94	0.100	5.000	0	78.8	41.6	108	3.147	22.4	30	
Indeno(1,2,3-cd)pyrene	3.80	0.100	5.000	0	76.1	39.2	105	3.040	22.3	30	
Dibenz(a,h)anthracene	3.68	0.100	5.000	0	73.7	35.2	105	2.976	21.2	30	
Benzo(g,h,i)perylene	3.54	0.100	5.000	0	70.8	37.9	103	2.809	23.1	30	
Surr: 2,4,6-Tribromophenol	4.75		5.000		95.1	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.17		2.500		87.0	29.7	124		0		

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-43043** SampType: **LCSD** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89870**
Client ID: **LCSW02** Batch ID: **43043** Analysis Date: **2/26/2024** SeqNo: **1875542**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	2.34		2.500		93.8	36.9	152		0		

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-43046** SampType: **MBLK** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89924**
Client ID: **MBLKW** Batch ID: **43046** Analysis Date: **2/27/2024** SeqNo: **1876482**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0250									
Aroclor 1221	ND	0.0250									
Aroclor 1232	ND	0.0250									
Aroclor 1242	ND	0.0250									
Aroclor 1248	ND	0.0250									
Aroclor 1254	ND	0.0250									
Aroclor 1260	ND	0.0250									
Aroclor 1262	ND	0.0250									
Aroclor 1268	ND	0.0250									
Total PCBs	ND	0.0250									
Surr: Decachlorobiphenyl	302		500.0		60.4	5	169				
Surr: Tetrachloro-m-xylene	248		500.0		49.6	7.64	118				

Sample ID: **LCS-43046** SampType: **LCS** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89924**
Client ID: **LCSW** Batch ID: **43046** Analysis Date: **2/27/2024** SeqNo: **1876483**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.85	0.0250	2.500	0	74.0	29.7	129				
Aroclor 1260	1.94	0.0250	2.500	0	77.7	25.8	142				
Surr: Decachlorobiphenyl	469		500.0		93.9	5	169				
Surr: Tetrachloro-m-xylene	360		500.0		72.1	7.64	118				

Sample ID: **LCSD-43046** SampType: **LCSD** Units: **µg/L** Prep Date: **2/26/2024** RunNo: **89924**
Client ID: **LCSW02** Batch ID: **43046** Analysis Date: **2/27/2024** SeqNo: **1876484**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.68	0.0250	2.500	0	67.2	29.7	129	1.849	9.61	20	
Aroclor 1260	1.88	0.0250	2.500	0	75.3	25.8	142	1.942	3.10	20	
Surr: Decachlorobiphenyl	327		500.0		65.3	5	169		0		
Surr: Tetrachloro-m-xylene	239		500.0		47.7	7.64	118		0		

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCSD-43046**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **2/26/2024**		RunNo: **89924**			
Client ID: **LCSW02**	Batch ID: **43046**					Analysis Date: **2/27/2024**		SeqNo: **1876484**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-43051** SampType: **MBLK** Units: **µg/L** Prep Date: **2/27/2024** RunNo: **89860**
Client ID: **MBLKW** Batch ID: **43051** Analysis Date: **2/27/2024** SeqNo: **1875421**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-43051** SampType: **LCS** Units: **µg/L** Prep Date: **2/27/2024** RunNo: **89860**
Client ID: **LCSW** Batch ID: **43051** Analysis Date: **2/27/2024** SeqNo: **1875422**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.44	0.200	5.000	0	109	85	115				
Arsenic	106	0.500	100.0	0	106	85	115				
Chromium	103	0.750	100.0	0	103	85	115				
Copper	105	2.00	100.0	0	105	85	115				
Lead	53.7	0.500	50.00	0	107	85	115				
Nickel	105	0.500	100.0	0	105	85	115				
Zinc	106	2.50	100.0	0	106	85	115				

Sample ID: **2402337-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **2/27/2024** RunNo: **89860**
Client ID: **BATCH** Batch ID: **43051** Analysis Date: **2/27/2024** SeqNo: **1875424**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.991	0.200						0.7130	32.6	30	
Arsenic	1.43	0.500						1.335	6.94	30	
Chromium	3.12	0.750						2.662	16.0	30	
Copper	62.0	2.00						63.58	2.50	30	
Lead	23.9	0.500						23.20	2.89	30	
Nickel	7.46	0.500						7.052	5.66	30	

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2402337-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **2/27/2024**	RunNo: **89860**
Client ID: **BATCH**	Batch ID: **43051**		Analysis Date: **2/27/2024**	SeqNo: **1875424**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	116	2.50						114.3	1.46	30	

Sample ID: **2402337-001AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/27/2024**	RunNo: **89860**
Client ID: **BATCH**	Batch ID: **43051**		Analysis Date: **2/27/2024**	SeqNo: **1875425**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.83	0.200	5.000	0.7130	102	70	130				
Arsenic	109	0.500	100.0	1.335	107	70	130				
Chromium	105	0.750	100.0	2.662	102	70	130				
Copper	163	2.00	100.0	63.58	99.5	70	130				
Lead	75.7	0.500	50.00	23.20	105	70	130				
Nickel	111	0.500	100.0	7.052	104	70	130				
Zinc	218	2.50	100.0	114.3	103	70	130				

Sample ID: **2402376-001BMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **2/27/2024**	RunNo: **89860**
Client ID: **BATCH**	Batch ID: **43051**		Analysis Date: **2/27/2024**	SeqNo: **1875411**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.25	0.200	5.000	0.05900	104	70	130				
Arsenic	105	0.500	100.0	0.1330	105	70	130				
Chromium	104	0.750	100.0	0.2890	103	70	130				
Copper	110	2.00	100.0	1.672	108	70	130				
Lead	53.3	0.500	50.00	0	107	70	130				
Nickel	107	0.500	100.0	0.5740	107	70	130				
Zinc	105	2.50	100.0	1.864	103	70	130				

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R89849**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **2/27/2024**	RunNo: **89849**
Client ID: **MBLKW**	Batch ID: **R89849**		Analysis Date: **2/27/2024**	SeqNo: **1875232**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R89849**	SampType: **LCS**	Units: **mg/L**	Prep Date: **2/27/2024**	RunNo: **89849**
Client ID: **LCSW**	Batch ID: **R89849**		Analysis Date: **2/27/2024**	SeqNo: **1875233**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	250	3.00	300.0	0	83.3	65	135				

Sample ID: **2402455-001DDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **2/27/2024**	RunNo: **89849**
Client ID: **Batch 10-2-26-2024**	Batch ID: **R89849**		Analysis Date: **2/27/2024**	SeqNo: **1875239**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	4.00	3.00						1.000	120	30	

Work Order: 2402455
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R89933**	SampType: **MBLK**			Units: **NTU**		Prep Date: **2/26/2024**		RunNo: **89933**		
Client ID: **MBLKW**	Batch ID: **R89933**					Analysis Date: **2/26/2024**		SeqNo: **1876599**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R89933**	SampType: **LCS**			Units: **NTU**		Prep Date: **2/26/2024**		RunNo: **89933**		
Client ID: **LCSW**	Batch ID: **R89933**					Analysis Date: **2/26/2024**		SeqNo: **1876600**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	9.84	0.200	10.00	0	98.4	90	110				

Sample ID: **2402455-001DDUP**	SampType: **DUP**			Units: **NTU**		Prep Date: **2/26/2024**		RunNo: **89933**		
Client ID: **Batch 10-2-26-2024**	Batch ID: **R89933**					Analysis Date: **2/26/2024**		SeqNo: **1876602**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	1.61	0.200						1.440	11.1	20	

Fremont Analytical
An Alliance Technical Group Company

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2402455
Logged by:	Morgan Wilson	Date Received:	2/26/2024 12:46:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	10.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

eurofins | Built Environment Testing
Labcor

Report for:

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103

Regarding:

Project ID:
Project Description: COCID 1983
PO Number:
Eurofins ID: 3553025R01

PWSID

Service:	Date of Analysis:
EPA 100.2 - Asbestos in Drinking Wate	2/27/2024

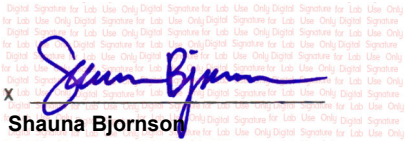
Service SOPs: Asbestos TEM EPA 100.2 Drinking Water - Long Fibers (> 10 um only);
(SOP:TM-500-V01_1.02)
NELAP Lab ID: 11747

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume. Interpretation of these results is the sole responsibility of the client.

Eurofins EPK Built Environment Testing, LLC ('the Company'), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Approved by:



Shauna Bjornson
Eurofins - LabCor Seattle

eurofins | Built Environment Testing
Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water (>10um length) Summary Data - Final Report

Job Number: 3553025 SEA
Client: Alliance Technical Group-Fremont Analytical, Inc.
Report Number: 3553025R01
Project Name: COCID 1983
Date Received: 2/27/2024

Eurofins Sample No.: S1
Client Sample No.: 2402455-001E - WA Water ID#: 11925376
Filter Fraction: 1
Aliquot Dilution: 1
Begin Volume: 10 ml
Final Dilution: 1
Volume Taken: 10 ml

Sample Area/Mass/Volume (ml) : 800
Lab Filter Area (mm2) : 289.38
Grid Openings Analyzed : 13
Average Grid Opening Area : 0.012
Area Analyzed (mm2) : 0.156
Analytical Sens. (struc/MFL>10-um) : 0.186

Analyst(s)	Analysis Date	Microscope	Magnification
SB	2/27/2024	JEOL-Sr 1200	10000

Structure Type	Concen-tration MFL>10-um	95% Confidence Interval MFL>10-um	Structure Count[1] Prim/Total	
TEM Water Amphibole	< 0.186	0 - 0.684 - Poisson	0	
TEM Water Chrysotile	< 0.186	0 - 0.684 - Poisson	0	
TEM Water Total	< 0.186	0 - 0.684 - Poisson	0	

Reviewed by:

x _____
Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 2-26-24 Page: 1 of: 1

Laboratory Project No (internal): 2402455

Project Name: Anacortes Demo Project

Special Remarks:

Client: 3 Kings Environmental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: Battle Ground WA 98604

Location: MT VERNON

Telephone: 360-921-8702

Report To (PM): JASON HAWKS

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3KingsInc.com

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos 1332-21-4	Turbidity	TSS	LL Hg	Comments
1	Batch 10-2-26-2024	2-21-24	9:00A	W	6							X	X	X				X	X	X	X	
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas King	Thomas King	2-26-24 12:46P	x	Brianna B	2/26 12:46
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2403242

March 19, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 3/14/2024 for the analyses presented in the following report.

Mercury by EPA Method 245.1
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *03/19/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2403242

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2403242-001	Batch 12-3-14-2024	03/14/2024 9:00 AM	03/14/2024 10:31 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2403242-001E
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2403242-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2403242-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 3/14/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2403242-001
Matrix: Water
Client Sample ID: **Batch 12-3-14-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 43262		Analyst: CO
Aroclor 1016	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1221	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1232	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1242	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1248	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1254	0.0272	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1260	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1262	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Aroclor 1268	ND	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Total PCBs	0.0272	0.0236		µg/L	1	3/18/2024 3:16:56 PM
Surr: Decachlorobiphenyl	87.0	5 - 133		%Rec	1	3/18/2024 3:16:56 PM
Surr: Tetrachloro-m-xylene	70.0	9.89 - 124		%Rec	1	3/18/2024 3:16:56 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 43247		Analyst: RG
Acenaphthene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Fluorene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Phenanthrene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Anthracene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Fluoranthene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Pyrene	ND	0.189		µg/L	1	3/15/2024 1:05:47 PM
Benz(a)anthracene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Chrysene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Benzo(b)fluoranthene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Benzo(k)fluoranthene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Benzo(a)pyrene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Indeno(1,2,3-cd)pyrene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Dibenz(a,h)anthracene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Benzo(g,h,i)perylene	ND	0.0945		µg/L	1	3/15/2024 1:05:47 PM
Surr: 2-Fluorobiphenyl	86.4	20.2 - 130		%Rec	1	3/15/2024 1:05:47 PM
Surr: Terphenyl-d14	115	15.5 - 148		%Rec	1	3/15/2024 1:05:47 PM
Mercury by EPA Method 245.1				Batch ID: 43265		Analyst: NR
Mercury	ND	0.100		µg/L	1	3/18/2024 3:22:00 PM
Total Metals by EPA Method 200.8				Batch ID: 43301		Analyst: SS
Antimony	14.0	0.200		µg/L	1	3/19/2024 10:38:00 AM

Analytical Report

Work Order: **2403242**
Date Reported: **3/19/2024**

Client: 3 Kings Environmental
Collection Date: 3/14/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2403242-001
Matrix: Water
Client Sample ID: **Batch 12-3-14-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 43301		Analyst: SS
Arsenic	9.63	0.500		µg/L	1	3/19/2024 10:38:00 AM
Chromium	1.26	0.750		µg/L	1	3/19/2024 10:38:00 AM
Copper	3.25	2.00		µg/L	1	3/19/2024 10:38:00 AM
Lead	ND	0.500		µg/L	1	3/19/2024 10:38:00 AM
Nickel	2.63	0.500		µg/L	1	3/19/2024 10:38:00 AM
Zinc	85.3	2.50		µg/L	1	3/19/2024 10:38:00 AM
pH by SM 4500H+B				Batch ID: R90241		Analyst: NK
Hydrogen Ion (pH)	6.49		H	pH	1	3/14/2024 3:50:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R90321		Analyst: FG
Total Suspended Solids	ND	3.00		mg/L	1	3/19/2024 11:27:07 AM
Turbidity by EPA Method 180.1				Batch ID: R90243		Analyst: NK
Turbidity	0.490	0.200		NTU	1	3/14/2024 4:10:00 PM

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-43265**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **3/15/2024**	RunNo: **90294**
Client ID: **MBLKW**	Batch ID: **43265**		Analysis Date: **3/18/2024**	SeqNo: **1883388**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-43265**	SampType: **LCS**	Units: **µg/L**	Prep Date: **3/15/2024**	RunNo: **90294**
Client ID: **LCSW**	Batch ID: **43265**		Analysis Date: **3/18/2024**	SeqNo: **1883389**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.08	0.100	1.000	0	108	85	115				

Sample ID: **2403230-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **3/15/2024**	RunNo: **90294**
Client ID: **BATCH**	Batch ID: **43265**		Analysis Date: **3/18/2024**	SeqNo: **1883391**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2403230-001AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **3/15/2024**	RunNo: **90294**
Client ID: **BATCH**	Batch ID: **43265**		Analysis Date: **3/18/2024**	SeqNo: **1883392**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.04	0.100	1.000	0	104	70	130				

Sample ID: **2403230-001AMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **3/15/2024**	RunNo: **90294**
Client ID: **BATCH**	Batch ID: **43265**		Analysis Date: **3/18/2024**	SeqNo: **1883393**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.07	0.100	1.000	0	107	70	130	1.040	2.84	20	

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **MB-R90241**	SampType: **MBLK**			Units: **pH**		Prep Date: **3/14/2024**		RunNo: **90241**			
Client ID: **MBLKW**	Batch ID: **R90241**					Analysis Date: **3/14/2024**		SeqNo: **1882462**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.61										

Sample ID: **LCS-R90241**	SampType: **LCS**			Units: **pH**		Prep Date: **3/14/2024**		RunNo: **90241**			
Client ID: **LCSW**	Batch ID: **R90241**					Analysis Date: **3/14/2024**		SeqNo: **1882463**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.03		7.000	0	100	95	105				

Sample ID: **2403253-001EDUP**	SampType: **DUP**			Units: **pH**		Prep Date: **3/14/2024**		RunNo: **90241**			
Client ID: **BATCH**	Batch ID: **R90241**					Analysis Date: **3/14/2024**		SeqNo: **1882465**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.22							7.130	1.25	10	H

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-43247** SampType: **MBLK** Units: **µg/L** Prep Date: **3/13/2024** RunNo: **90258**
Client ID: **MBLKW** Batch ID: **43247** Analysis Date: **3/14/2024** SeqNo: **1882744**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0800									
Fluorene	ND	0.0800									
Phenanthrene	ND	0.0800									
Anthracene	ND	0.0800									
Fluoranthene	ND	0.0800									
Pyrene	ND	0.160									
Benz(a)anthracene	ND	0.0800									
Chrysene	ND	0.0800									
Benzo(b)fluoranthene	ND	0.0800									
Benzo(k)fluoranthene	ND	0.0800									
Benzo(a)pyrene	ND	0.0800									
Indeno(1,2,3-cd)pyrene	ND	0.0800									
Dibenz(a,h)anthracene	ND	0.0800									
Benzo(g,h,i)perylene	ND	0.0800									
Surr: 2,4,6-Tribromophenol	3.24		3.999		81.0	31.3	143				
Surr: 2-Fluorobiphenyl	1.49		2.000		74.5	29.7	124				
Surr: Terphenyl-d14	1.95		2.000		97.4	36.9	152				

Sample ID: **LCS-43247** SampType: **LCS** Units: **µg/L** Prep Date: **3/13/2024** RunNo: **90258**
Client ID: **LCSW** Batch ID: **43247** Analysis Date: **3/14/2024** SeqNo: **1882745**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.78	0.0800	4.000	0	94.6	35.9	117				
Fluorene	3.87	0.0800	4.000	0	96.7	41.3	119				
Phenanthrene	3.82	0.0800	4.000	0	95.5	43.2	118				
Anthracene	3.48	0.0800	4.000	0	86.9	37.7	109				
Fluoranthene	4.07	0.0800	4.000	0	102	43.8	125				
Pyrene	4.05	0.160	4.000	0	101	43.9	124				
Benz(a)anthracene	4.07	0.0800	4.000	0	102	43.3	120				
Chrysene	3.45	0.0800	4.000	0	86.2	42.3	119				

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-43247** SampType: **LCS** Units: **µg/L** Prep Date: **3/13/2024** RunNo: **90258**
Client ID: **LCSW** Batch ID: **43247** Analysis Date: **3/14/2024** SeqNo: **1882745**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	3.05	0.0800	4.000	0	76.2	40.7	116				
Benzo(k)fluoranthene	2.81	0.0800	4.000	0	70.3	33.7	114				
Benzo(a)pyrene	2.85	0.0800	4.000	0	71.2	33.3	111				
Indeno(1,2,3-cd)pyrene	4.81	0.0800	4.000	0	120	23.5	112				S
Dibenz(a,h)anthracene	4.61	0.0800	4.000	0	115	15.8	112				S
Benzo(g,h,i)perylene	4.39	0.0800	4.000	0	110	22.8	110				
Surr: 2,4,6-Tribromophenol	3.99		4.000		99.7	31.3	143				
Surr: 2-Fluorobiphenyl	1.93		2.000		96.3	20.2	130				
Surr: Terphenyl-d14	2.16		2.000		108	15.5	148				

NOTES:
S - Outlying spike recovery observed (high bias). Samples are non-detect; result meets QC requirements.

Sample ID: **LCSD-43247** SampType: **LCSD** Units: **µg/L** Prep Date: **3/13/2024** RunNo: **90258**
Client ID: **LCSW02** Batch ID: **43247** Analysis Date: **3/14/2024** SeqNo: **1882746**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.58	0.0800	4.000	0	89.4	35.9	117	3.784	5.67	30	
Fluorene	3.62	0.0800	4.000	0	90.4	41.3	119	3.867	6.66	30	
Phenanthrene	3.58	0.0800	4.000	0	89.6	43.2	118	3.820	6.38	30	
Anthracene	3.24	0.0800	4.000	0	81.1	37.7	109	3.477	6.95	30	
Fluoranthene	3.75	0.0800	4.000	0	93.6	43.8	125	4.066	8.19	30	
Pyrene	3.71	0.160	4.000	0	92.9	43.9	124	4.049	8.62	30	
Benz(a)anthracene	3.70	0.0800	4.000	0	92.4	43.3	120	4.073	9.70	30	
Chrysene	3.45	0.0800	4.000	0	86.3	42.3	119	3.449	0.0499	30	
Benzo(b)fluoranthene	3.69	0.0800	4.000	0	92.4	40.7	116	3.048	19.2	30	
Benzo(k)fluoranthene	3.49	0.0800	4.000	0	87.1	33.7	114	2.814	21.3	30	
Benzo(a)pyrene	3.44	0.0800	4.000	0	86.1	33.3	111	2.847	19.0	30	
Indeno(1,2,3-cd)pyrene	3.54	0.0800	4.000	0	88.4	23.5	112	4.810	30.5	30	R
Dibenz(a,h)anthracene	3.43	0.0800	4.000	0	85.6	15.8	112	4.614	29.6	30	
Benzo(g,h,i)perylene	3.25	0.0800	4.000	0	81.2	22.8	110	4.393	29.9	30	
Surr: 2,4,6-Tribromophenol	3.69		4.000		92.3	31.3	143		0		

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCSD-43247** SampType: **LCSD** Units: **µg/L** Prep Date: **3/13/2024** RunNo: **90258**
Client ID: **LCSW02** Batch ID: **43247** Analysis Date: **3/14/2024** SeqNo: **1882746**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	1.87		2.000		93.4	20.2	130		0		
Surr: Terphenyl-d14	2.00		2.000		100	15.5	148		0		

NOTES:
R - High RPD observed.

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-43262** SampType: **MBLK** Units: **µg/L** Prep Date: **3/15/2024** RunNo: **90297**
Client ID: **MBLKW** Batch ID: **43262** Analysis Date: **3/18/2024** SeqNo: **1883449**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235									
Aroclor 1221	ND	0.0235									
Aroclor 1232	ND	0.0235									
Aroclor 1242	ND	0.0235									
Aroclor 1248	ND	0.0235									
Aroclor 1254	ND	0.0235									
Aroclor 1260	ND	0.0235									
Aroclor 1262	ND	0.0235									
Aroclor 1268	ND	0.0235									
Total PCBs	ND	0.0235									
Surr: Decachlorobiphenyl	402		470.0		85.5	5	169				
Surr: Tetrachloro-m-xylene	234		470.0		49.8	7.64	118				

Sample ID: **LCS-43262** SampType: **LCS** Units: **µg/L** Prep Date: **3/15/2024** RunNo: **90297**
Client ID: **LCSW** Batch ID: **43262** Analysis Date: **3/18/2024** SeqNo: **1883450**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.92	0.0237	2.371	0	81.1	75	125				
Aroclor 1260	2.20	0.0237	2.371	0	92.9	75	125				
Surr: Decachlorobiphenyl	461		474.3		97.3	5	133				
Surr: Tetrachloro-m-xylene	251		474.3		53.0	9.89	124				

Sample ID: **LCSD-43262** SampType: **LCSD** Units: **µg/L** Prep Date: **3/15/2024** RunNo: **90297**
Client ID: **LCSW02** Batch ID: **43262** Analysis Date: **3/18/2024** SeqNo: **1883451**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.88	0.0235	2.354	0	79.7	75	125	1.924	2.51	20	
Aroclor 1260	2.13	0.0235	2.354	0	90.3	75	125	2.203	3.52	20	
Surr: Decachlorobiphenyl	433		470.8		92.1	5	133		0		
Surr: Tetrachloro-m-xylene	268		470.8		56.8	9.89	124		0		

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCSD-43262**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **3/15/2024**		RunNo: **90297**			
Client ID: **LCSW02**	Batch ID: **43262**					Analysis Date: **3/18/2024**		SeqNo: **1883451**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-43301** SampType: **MBLK** Units: **µg/L** Prep Date: **3/19/2024** RunNo: **90334**
Client ID: **MBLKW** Batch ID: **43301** Analysis Date: **3/19/2024** SeqNo: **1884293**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-43301** SampType: **LCS** Units: **µg/L** Prep Date: **3/19/2024** RunNo: **90334**
Client ID: **LCSW** Batch ID: **43301** Analysis Date: **3/19/2024** SeqNo: **1884294**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.29	0.200	5.000	0	106	85	115				
Arsenic	105	0.500	100.0	0	105	85	115				
Chromium	111	0.750	100.0	0	111	85	115				
Copper	113	2.00	100.0	0	113	85	115				
Lead	54.9	0.500	50.00	0	110	85	115				
Nickel	105	0.500	100.0	0	105	85	115				
Zinc	105	2.50	100.0	0	105	85	115				

Sample ID: **2403309-004DDUP** SampType: **DUP** Units: **µg/L** Prep Date: **3/19/2024** RunNo: **90334**
Client ID: **BATCH** Batch ID: **43301** Analysis Date: **3/19/2024** SeqNo: **1884299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200						0		30	
Arsenic	ND	0.500						0		30	
Chromium	ND	0.750						0		30	
Copper	ND	2.00						0		30	
Lead	ND	0.500						0		30	
Nickel	3.83	0.500						3.742	2.30	30	

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2403309-004DDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **3/19/2024**	RunNo: **90334**
Client ID: **BATCH**	Batch ID: **43301**		Analysis Date: **3/19/2024**	SeqNo: **1884299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	35.2	2.50						35.33	0.420	30	

Sample ID: **2403309-005D**	SampType: **MS**	Units: **µg/L**	Prep Date: **3/19/2024**	RunNo: **90334**
Client ID: **BATCH**	Batch ID: **43301**		Analysis Date: **3/19/2024**	SeqNo: **1884375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.33	0.200	5.000	0.03800	106	70	130				
Arsenic	104	0.500	100.0	0.2830	104	70	130				
Chromium	111	0.750	100.0	0.1370	111	70	130				
Copper	110	2.00	100.0	0.4980	110	70	130				
Lead	54.0	0.500	50.00	0.1520	108	70	130				
Nickel	106	0.500	100.0	3.742	102	70	130				
Zinc	133	2.50	100.0	35.33	98.1	70	130				

Sample ID: **2403309-006D**	SampType: **MSD**	Units: **µg/L**	Prep Date: **3/19/2024**	RunNo: **90334**
Client ID: **BATCH**	Batch ID: **43301**		Analysis Date: **3/19/2024**	SeqNo: **1884376**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.34	0.200	5.000	0.03800	106	70	130	5.331	0.0750	30	
Arsenic	101	0.500	100.0	0.2830	101	70	130	104.4	3.20	30	
Chromium	112	0.750	100.0	0.1370	112	70	130	110.9	1.28	30	
Copper	107	2.00	100.0	0.4980	106	70	130	110.0	3.01	30	
Lead	52.1	0.500	50.00	0.1520	104	70	130	54.01	3.61	30	
Nickel	104	0.500	100.0	3.742	99.9	70	130	105.8	2.03	30	
Zinc	132	2.50	100.0	35.33	96.9	70	130	133.4	0.905	30	

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2403246-003AMS** SampType: **MS** Units: **µg/L** Prep Date: **3/19/2024** RunNo: **90334**
Client ID: **BATCH** Batch ID: **43301** Analysis Date: **3/19/2024** SeqNo: **1884320**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.09	0.200	5.000	0.06500	101	70	130				
Arsenic	101	0.500	100.0	0	101	70	130				
Chromium	107	0.750	100.0	0	107	70	130				
Copper	102	2.00	100.0	0.7560	101	70	130				
Lead	52.7	0.500	50.00	0	105	70	130				
Nickel	98.8	0.500	100.0	0.2930	98.5	70	130				
Zinc	112	2.50	100.0	10.94	101	70	130				

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R90321**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **3/19/2024**	RunNo: **90321**
Client ID: **MBLKW**	Batch ID: **R90321**		Analysis Date: **3/19/2024**	SeqNo: **1883980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R90321**	SampType: **LCS**	Units: **mg/L**	Prep Date: **3/19/2024**	RunNo: **90321**
Client ID: **LCSW**	Batch ID: **R90321**		Analysis Date: **3/19/2024**	SeqNo: **1883981**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	264	3.00	300.0	0	88.0	65	135				

Sample ID: **2403230-001CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **3/19/2024**	RunNo: **90321**
Client ID: **BATCH**	Batch ID: **R90321**		Analysis Date: **3/19/2024**	SeqNo: **1883983**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	5.00	3.00						8.000	46.2	30	

Sample ID: **2403284-005CDUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **3/19/2024**	RunNo: **90321**
Client ID: **BATCH**	Batch ID: **R90321**		Analysis Date: **3/19/2024**	SeqNo: **1883995**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	30.0	3.00						38.00	23.5	30	

Work Order: 2403242
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R90243**	SampType: **MBLK**			Units: **NTU**		Prep Date: **3/14/2024**			RunNo: **90243**		
Client ID: **MBLKW**	Batch ID: **R90243**					Analysis Date: **3/14/2024**			SeqNo: **1882478**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.200									

Sample ID: **LCS-R90243**	SampType: **LCS**			Units: **NTU**		Prep Date: **3/14/2024**			RunNo: **90243**		
Client ID: **LCSW**	Batch ID: **R90243**					Analysis Date: **3/14/2024**			SeqNo: **1882479**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	11.0	0.200	10.00	0	110	90	110				

Sample ID: **2403253-001EDUP**	SampType: **DUP**			Units: **NTU**		Prep Date: **3/14/2024**			RunNo: **90243**		
Client ID: **BATCH**	Batch ID: **R90243**					Analysis Date: **3/14/2024**			SeqNo: **1882481**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	3.96	0.200						4.210	6.12	20	

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2403242
Logged by:	Morgan Wilson	Date Received:	3/14/2024 10:31:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	8.4

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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Labcor

Report for:

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103

Regarding:

Project ID: COCID 2005
Project Description:
PO Number:
Eurofins ID: 3573790R01
PWSID:

Service:
EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only)

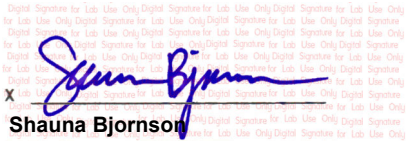
Service SOPs: Asbestos TEM EPA 100.2 Drinking Water - All Fibers (>=0.5 um only); (SOP:TM-500-V01_1.02)
NELAP Lab ID: 11747

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume. Interpretation of these results is the sole responsibility of the client.

Eurofins EPK Built Environment Testing, LLC ('the Company'), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Approved by:



Shauna Bjornson
Eurofins - LabCor Seattle

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Labcor

7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Summary Data - Final Report

Job Number: 3573790 SEA

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 3573790R01

Project Name:

Date Received: 3/14/2024

Eurofins Sample No.: S1

Client Sample No.: 2403242-001E - Batch 12-3-14-202

Filter Fraction: 1

Aliquot Dilution: 0.05

Begin Volume: 800 ml

Final Dilution: 0.05

Volume Taken: 40 ml

Sample Area/Mass/Volume (ml) : 800

Lab Filter Area (mm2) : 289.38

Grid Openings Analyzed : 4

Average Grid Opening Area : 0.011

Area Analyzed (mm2) : 0.044

Analytical Sens. (struc/MFL>10-um) : 0.164

Structure Type	Concen-tration MFL>10-um	95% Confidence Interval MFL>10-um	Structure Count[1] Prim/Total	
TEM Water Amphibole	< 0.164	0 - 0.607 - Poisson	0	
TEM Water Chrysotile	< 0.164	0 - 0.607 - Poisson	0	
TEM Water Total	< 0.164	0 - 0.607 - Poisson	0	

Reviewed by:

x

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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7619 6th Ave NW
Seattle, WA 98117
Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Raw Data - Final Report

SEA **Modified EPA 100.2**

Report for: Alliance Technical Group-Fremont Analytical, Inc.

Report ID: 3573790R01

Project Name:

Date Received: 3/14/2024

Project No.: COCID 2005

Client Sample Num: 2403242-001E

Description:

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G7	1	E42				NSD							
G7	2	F41				NSD							
G8	3	F43				NSD							
G9	4	F42				NSD							

Count Categories

Water_Amph	TEM Water Amphibole	WATER_Chrys	TEM Water Chrysotile	WATER_Total	TEM Water Total

Reviewed by:

x _____

Shauna Bjornson
Eurofins - LabCor Seattle

Chain of Custody Record & Laboratory Services Agreement

Fremont Analytical
An Alliance Technical Group Company

3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Date: 3-14-24 Page: 1 of: 1

Laboratory Project No (internal): 2403242

Project Name: ANACORTES DEMO PROJECT

Special Remarks:

Client: 3 KINGS ENVIROMENTAL

Project No: 223060

Address: PO BOX 280

Collected by: TOM KING

City, State, Zip: BATTLE GROUND WA 98604

Location: MT. VERNON

Telephone: 360-921-8702

Report To (PM): JASON HAWKS

Disposal: Samples will be disposed in 30 days unless otherwise requested.
☐ Retain volume (specify above) ☐ Return to client

Email(s): TKING@3KINGSINC.COM

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Barbiturates / 332-21-41	Thiamine	T33	LL Hg	Comments
1	Batch 12-3-14-2024	3-14-24	9:00A	W	6							X	X	X				X	X	X	X	
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ _____ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas King	THOMAS KING	3-14-24 10:31	x	Briana Ballard	3/14 10:31
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

3 Kings Environmental
Jason Hawks
PO Box 280
Battle Ground, WA 98604

RE: Anacortes Demo Project
Work Order Number: 2404049

April 08, 2024

Attention Jason Hawks:

Fremont Analytical, Inc. received 1 sample(s) on 4/3/2024 for the analyses presented in the following report.

Mercury by EPA Method 245.1
pH by SM 4500H+B
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)
Polychlorinated Biphenyls (PCB) by EPA 608.3
Total Metals by EPA Method 200.8
Total Suspended Solids (TSS) by SM 2540D
Turbidity by EPA Method 180.1

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.4 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

Date: *04/08/2024*

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project
Work Order: 2404049

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2404049-001	Batch 15-4-3-2024	04/03/2024 9:00 AM	04/03/2024 9:46 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2404049**
Date: **4/8/2024**

CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.
2404049-001E
TEST_SUB has been Sub Contracted.
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2404049-001B) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-W), SAMPLE (2404049-001B) required Florisil Cleanup Procedure (Using Method No 3620C).

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Client: 3 Kings Environmental
Collection Date: 4/3/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2404049-001
Matrix: Water
Client Sample ID: **Batch 15-4-3-2024**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 608.3				Batch ID: 43459		Analyst: CO
Aroclor 1016	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1221	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1232	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1242	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1248	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1254	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1260	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1262	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Aroclor 1268	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Total PCBs	ND	0.0239		µg/L	1	4/4/2024 1:28:40 PM
Surr: Decachlorobiphenyl	88.1	5 - 133		%Rec	1	4/4/2024 1:28:40 PM
Surr: Tetrachloro-m-xylene	55.2	9.89 - 124		%Rec	1	4/4/2024 1:28:40 PM
Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)				Batch ID: 43472		Analyst: SH
Acenaphthene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Fluorene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Phenanthrene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Anthracene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Fluoranthene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Pyrene	ND	0.191		µg/L	1	4/4/2024 5:15:18 PM
Benz(a)anthracene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Chrysene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Benzo(b)fluoranthene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Benzo(k)fluoranthene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Benzo(a)pyrene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Indeno(1,2,3-cd)pyrene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Dibenz(a,h)anthracene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Benzo(g,h,i)perylene	ND	0.0956		µg/L	1	4/4/2024 5:15:18 PM
Surr: 2-Fluorobiphenyl	103	20.2 - 130		%Rec	1	4/4/2024 5:15:18 PM
Surr: Terphenyl-d14	104	15.5 - 148		%Rec	1	4/4/2024 5:15:18 PM
Mercury by EPA Method 245.1				Batch ID: 43502		Analyst: NR
Mercury	ND	0.100		µg/L	1	4/8/2024 12:54:12 PM
Total Metals by EPA Method 200.8				Batch ID: 43465		Analyst: SLL
Antimony	23.6	0.200		µg/L	1	4/3/2024 3:43:00 PM

Analytical Report

Work Order: **2404049**
Date Reported: **4/8/2024**

Client: 3 Kings Environmental
Collection Date: 4/3/2024 9:00:00 AM
Project: Anacortes Demo Project
Lab ID: 2404049-001
Matrix: Water
Client Sample ID: Batch 15-4-3-2024

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 200.8				Batch ID: 43465		Analyst: SLL
Arsenic	6.00	0.500		µg/L	1	4/3/2024 3:43:00 PM
Chromium	4.11	0.750		µg/L	1	4/3/2024 3:43:00 PM
Copper	43.8	2.00		µg/L	1	4/3/2024 3:43:00 PM
Lead	5.08	0.500		µg/L	1	4/3/2024 3:43:00 PM
Nickel	3.92	0.500		µg/L	1	4/3/2024 3:43:00 PM
Zinc	548	2.50		µg/L	1	4/3/2024 3:43:00 PM
pH by SM 4500H+B				Batch ID: R90826		Analyst: NK
Hydrogen Ion (pH)	6.71		H	pH	1	4/3/2024 4:20:00 PM
Total Suspended Solids (TSS) by SM 2540D				Batch ID: R90780		Analyst: FG
Total Suspended Solids	ND	3.00		mg/L	1	4/5/2024 9:35:40 AM
Turbidity by EPA Method 180.1				Batch ID: R90828		Analyst: ML
Turbidity	0.780	0.500		NTU	1	4/3/2024 4:30:00 PM

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Labcor

Report for:

Client: **Alliance Technical Group-Fremont Analytical, Inc.**
Address: **3600 Fremont Ave N**
Seattle, WA 98103

Regarding:

Project ID:
Project Description: Omega COCID 2023
PO Number:
Eurofins ID: 3596699R01
PWSID:

Service:
EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only)

Service SOPs: Asbestos TEM EPA 100.2 Drinking Water - All Fibers (>=0.5 um only); (SOP:TM-500-V01_1.02)
NELAP Lab ID: 11747

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume. Interpretation of these results is the sole responsibility of the client.

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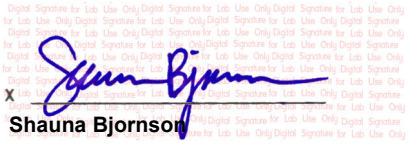
Thank you for allowing the staff at Eurofins Built Environment Testing - LabCor Seattle the opportunity to provide you with the analytical services.

Approved by:



Shauna Bjornson
Eurofins - LabCor Seattle

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Labcor

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Phone: (206) 781-0155
www.labcor.net

EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Summary Data - Final Report

Job Number: 3596699 SEA

Client: Alliance Technical Group-Fremont Analytical, Inc.

Report Number: 3596699R01

Project Name: Omega COCID 2023

Date Received: 4/3/2024

Eurofins Sample No.: S1

Client Sample No.: 2404049-001E - Batch 15-4-3-2024 WA Water ID#: 11925388

Filter Fraction: 1

Aliquot Dilution: 1

Begin Volume: 10 ml

Final Dilution: 1

Volume Taken: 10 ml

Sample Area/Mass/Volume (ml) : 800

Lab Filter Area (mm2) : 289.38

Grid Openings Analyzed : 14

Average Grid Opening Area : 0.011

Area Analyzed (mm2) : 0.154

Analytical Sens. (struc/MFL>10-um) : 0.188

Structure Type	Concen-tration MFL>10-um	95% Confidence Interval MFL>10-um	Structure Count[1] Prim/Total	
TEM Water Amphibole	< 0.188	0 - 0.693 - Poisson	0	
TEM Water Chrysotile	< 0.188	0 - 0.693 - Poisson	0	
TEM Water Total	< 0.188	0 - 0.693 - Poisson	0	

Reviewed by:

x

Shauna Bjornson
Eurofins - LabCor Seattle

* One-sided upper 95% Poisson confidence limits may be used to calculate sample concentrations ([Struc count] * [Analytical Sensitivity]) when the structure count is below 4. The limits are: 0 str - 0, 1 str - 1, 2 str - 2, 3 str - 3

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Labcor

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EPA 100.2 - Asbestos in Drinking Water - All Fibers (>=0.5 um only) Raw Data - Final Report

SEA **Modified EPA 100.2**

Report for: Alliance Technical Group-Fremont Analytical, Inc.

Report ID: 3596699R01

Project Name: Omega COCID 2023

Date Received: 4/3/2024

Project No.:

Client Sample Num: 2404049-001E

Description:

Gr	No.	Loc.	ID	Prim	Tot	Class	Length	Width	Aspect	Analyte	Elements	Comment	Count Categories
G4	1	F44				NSD							
G4	2	G41				NSD							
G4	3	G33				NSD							
G4	4	F34				NSD							
G4	5	G31				NSD							
G5	6	C44				NSD							
G5	7	E41				NSD							
G5	8	E33				NSD							
G5	9	F44				NSD							
G5	10	F36				NSD							
G6	11	E44				NSD							
G6	12	F41				NSD							
G6	13	F33				NSD							
G6	14	F44				NSD							

Count Categories

Water_Amph	TEM Water Amphibole	WATER_Chrys	TEM Water Chrysotile	WATER_Total	TEM Water Total

Reviewed by:

x

Shauna Bjornson
Eurofins - LabCor Seattle

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-43502** SampType: **MBLK** Units: **µg/L** Prep Date: **4/8/2024** RunNo: **90830**
Client ID: **MBLKW** Batch ID: **43502** Analysis Date: **4/8/2024** SeqNo: **1894000**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-43502** SampType: **LCS** Units: **µg/L** Prep Date: **4/8/2024** RunNo: **90830**
Client ID: **LCSW** Batch ID: **43502** Analysis Date: **4/8/2024** SeqNo: **1894001**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.09	0.100	1.000	0	109	85	115				

Sample ID: **2404036-001DDUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/8/2024** RunNo: **90830**
Client ID: **BATCH** Batch ID: **43502** Analysis Date: **4/8/2024** SeqNo: **1894003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2404036-001DMS** SampType: **MS** Units: **µg/L** Prep Date: **4/8/2024** RunNo: **90830**
Client ID: **BATCH** Batch ID: **43502** Analysis Date: **4/8/2024** SeqNo: **1894004**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.06	0.100	1.000	0	106	70	130				

Sample ID: **2404036-001DMSD** SampType: **MSD** Units: **µg/L** Prep Date: **4/8/2024** RunNo: **90830**
Client ID: **BATCH** Batch ID: **43502** Analysis Date: **4/8/2024** SeqNo: **1894005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.04	0.100	1.000	0	104	70	130	1.060	1.90	20	

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

pH by SM 4500H+B

Sample ID: **LCS-R90826** SampType: **LCS** Units: **pH** Prep Date: **4/3/2024** RunNo: **90826**
Client ID: **LCSW** Batch ID: **R90826** Analysis Date: **4/3/2024** SeqNo: **1893918**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	7.04		7.000	0	101	95	105				

Sample ID: **2404049-001DDUP** SampType: **DUP** Units: **pH** Prep Date: **4/3/2024** RunNo: **90826**
Client ID: **Batch 15-4-3-2024** Batch ID: **R90826** Analysis Date: **4/3/2024** SeqNo: **1893920**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hydrogen Ion (pH)	6.71							6.710	0	10	H

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **MB-43472** SampType: **MBLK** Units: **µg/L** Prep Date: **4/3/2024** RunNo: **90788**
Client ID: **MBLKW** Batch ID: **43472** Analysis Date: **4/4/2024** SeqNo: **1893214**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.0948									
Fluorene	ND	0.0948									
Phenanthrene	ND	0.0948									
Anthracene	ND	0.0948									
Fluoranthene	ND	0.0948									
Pyrene	ND	0.190									
Benz(a)anthracene	ND	0.0948									
Chrysene	ND	0.0948									
Benzo(b)fluoranthene	ND	0.0948									
Benzo(k)fluoranthene	ND	0.0948									
Benzo(a)pyrene	ND	0.0948									
Indeno(1,2,3-cd)pyrene	ND	0.0948									
Dibenz(a,h)anthracene	ND	0.0948									
Benzo(g,h,i)perylene	ND	0.0948									
Surr: 2,4,6-Tribromophenol	2.89		4.741		61.0	31.3	143				
Surr: 2-Fluorobiphenyl	1.86		2.371		78.3	29.7	124				
Surr: Terphenyl-d14	1.88		2.371		79.1	36.9	152				

Sample ID: **LCS-43472** SampType: **LCS** Units: **µg/L** Prep Date: **4/3/2024** RunNo: **90788**
Client ID: **LCSW** Batch ID: **43472** Analysis Date: **4/4/2024** SeqNo: **1893215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.63	0.0948	4.739	0	76.7	35.9	117				
Fluorene	3.64	0.0948	4.739	0	76.7	41.3	119				
Phenanthrene	3.62	0.0948	4.739	0	76.4	43.2	118				
Anthracene	3.24	0.0948	4.739	0	68.3	37.7	109				
Fluoranthene	3.59	0.0948	4.739	0	75.8	43.8	125				
Pyrene	3.67	0.190	4.739	0	77.3	43.9	124				
Benz(a)anthracene	3.34	0.0948	4.739	0	70.5	43.3	120				
Chrysene	3.54	0.0948	4.739	0	74.7	42.3	119				

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **LCS-43472** SampType: **LCS** Units: **µg/L** Prep Date: **4/3/2024** RunNo: **90788**
Client ID: **LCSW** Batch ID: **43472** Analysis Date: **4/4/2024** SeqNo: **1893215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	3.24	0.0948	4.739	0	68.4	40.7	116				
Benzo(k)fluoranthene	3.34	0.0948	4.739	0	70.4	33.7	114				
Benzo(a)pyrene	2.92	0.0948	4.739	0	61.6	33.3	111				
Indeno(1,2,3-cd)pyrene	3.06	0.0948	4.739	0	64.7	23.5	112				
Dibenz(a,h)anthracene	2.79	0.0948	4.739	0	58.9	15.8	112				
Benzo(g,h,i)perylene	2.85	0.0948	4.739	0	60.2	22.8	110				
Surr: 2,4,6-Tribromophenol	3.89		4.739		82.1	31.3	143				
Surr: 2-Fluorobiphenyl	2.15		2.370		90.5	20.2	130				
Surr: Terphenyl-d14	2.07		2.370		87.2	15.5	148				

Sample ID: **2403594-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **4/3/2024** RunNo: **90788**
Client ID: **BATCH** Batch ID: **43472** Analysis Date: **4/4/2024** SeqNo: **1893219**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.81	0.0951	4.754	0	80.2	23.5	119				
Fluorene	3.89	0.0951	4.754	0	81.9	25.3	125				
Phenanthrene	3.86	0.0951	4.754	0	81.2	28	124				
Anthracene	3.50	0.0951	4.754	0	73.6	23.2	120				
Fluoranthene	3.88	0.0951	4.754	0	81.5	32	129				
Pyrene	3.89	0.190	4.754	0	81.8	19.8	136				
Benz(a)anthracene	3.02	0.0951	4.754	0	63.5	17	130				
Chrysene	3.28	0.0951	4.754	0	68.9	16.1	124				
Benzo(b)fluoranthene	2.70	0.0951	4.754	0	56.7	9.89	121				
Benzo(k)fluoranthene	2.75	0.0951	4.754	0	57.8	6.83	115				
Benzo(a)pyrene	2.42	0.0951	4.754	0	51.0	4.23	119				
Indeno(1,2,3-cd)pyrene	2.51	0.0951	4.754	0	52.8	8.98	109				
Dibenz(a,h)anthracene	2.37	0.0951	4.754	0	49.9	6.75	106				
Benzo(g,h,i)perylene	2.28	0.0951	4.754	0	47.9	8.19	105				
Surr: 2,4,6-Tribromophenol	4.70		4.754		99.0	31.3	143				
Surr: 2-Fluorobiphenyl	2.13		2.377		89.6	20.2	130				

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 625.1(SIM)

Sample ID: **2403594-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **4/3/2024** RunNo: **90788**
Client ID: **BATCH** Batch ID: **43472** Analysis Date: **4/4/2024** SeqNo: **1893219**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Terphenyl-d14	1.74		2.377		73.1	15.5	148				

Sample ID: **2403594-001CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **4/3/2024** RunNo: **90788**
Client ID: **BATCH** Batch ID: **43472** Analysis Date: **4/4/2024** SeqNo: **1893220**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	3.74	0.0943	4.713	0	79.4	23.5	119	3.812	1.81	30	
Fluorene	3.76	0.0943	4.713	0	79.9	25.3	125	3.892	3.34	30	
Phenanthrene	3.81	0.0943	4.713	0	80.8	28	124	3.863	1.47	30	
Anthracene	3.45	0.0943	4.713	0	73.3	23.2	120	3.498	1.31	30	
Fluoranthene	3.81	0.0943	4.713	0	80.9	32	129	3.875	1.60	30	
Pyrene	3.83	0.189	4.713	0	81.2	19.8	136	3.889	1.60	30	
Benz(a)anthracene	3.04	0.0943	4.713	0	64.4	17	130	3.017	0.664	30	
Chrysene	3.29	0.0943	4.713	0	69.8	16.1	124	3.275	0.481	30	
Benzo(b)fluoranthene	2.79	0.0943	4.713	0	59.3	9.89	121	2.698	3.54	30	
Benzo(k)fluoranthene	2.84	0.0943	4.713	0	60.2	6.83	115	2.749	3.21	30	
Benzo(a)pyrene	2.50	0.0943	4.713	0	53.1	4.23	119	2.423	3.27	30	
Indeno(1,2,3-cd)pyrene	2.61	0.0943	4.713	0	55.3	8.98	109	2.512	3.63	30	
Dibenz(a,h)anthracene	2.47	0.0943	4.713	0	52.4	6.75	106	2.372	3.94	30	
Benzo(g,h,i)perylene	2.39	0.0943	4.713	0	50.8	8.19	105	2.278	4.98	30	
Surr: 2,4,6-Tribromophenol	4.56		4.713		96.7	31.3	143		0		
Surr: 2-Fluorobiphenyl	2.18		2.356		92.6	20.2	130		0		
Surr: Terphenyl-d14	1.77		2.356		74.9	15.5	148		0		

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **MB-43459** SampType: **MBLK** Units: **µg/L** Prep Date: **4/2/2024** RunNo: **90782**
Client ID: **MBLKW** Batch ID: **43459** Analysis Date: **4/3/2024** SeqNo: **1893034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0235									
Aroclor 1221	ND	0.0235									
Aroclor 1232	ND	0.0235									
Aroclor 1242	ND	0.0235									
Aroclor 1248	ND	0.0235									
Aroclor 1254	ND	0.0235									
Aroclor 1260	ND	0.0235									
Aroclor 1262	ND	0.0235									
Aroclor 1268	ND	0.0235									
Total PCBs	ND	0.0235									
Surr: Decachlorobiphenyl	366		470.0		77.9	5	169				
Surr: Tetrachloro-m-xylene	282		470.0		60.1	7.64	118				

Sample ID: **LCS-43459** SampType: **LCS** Units: **µg/L** Prep Date: **4/2/2024** RunNo: **90782**
Client ID: **LCSW** Batch ID: **43459** Analysis Date: **4/5/2024** SeqNo: **1893162**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.85	0.0235	2.347	0	78.8	75	125				
Aroclor 1260	1.93	0.0235	2.347	0	82.1	75	125				
Surr: Decachlorobiphenyl	393		469.5		83.8	5	133				

Sample ID: **LCSD-43459** SampType: **LCSD** Units: **µg/L** Prep Date: **4/2/2024** RunNo: **90782**
Client ID: **LCSW02** Batch ID: **43459** Analysis Date: **4/5/2024** SeqNo: **1893163**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	2.47	0.0238	2.375	0	104	75	125	1.849	28.9	20	R
Aroclor 1260	2.52	0.0238	2.375	0	106	75	125	1.927	26.7	20	R
Surr: Decachlorobiphenyl	456		475.1		95.9	5	133		0		
Surr: Tetrachloro-m-xylene	346		475.1		72.8	9.89	124		0		

Date: *4/8/2024*

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 608.3

Sample ID: **LCSD-43459**	SampType: **LCSD**			Units: **µg/L**		Prep Date: **4/2/2024**			RunNo: **90782**		
Client ID: **LCSW02**	Batch ID: **43459**					Analysis Date: **4/5/2024**			SeqNo: **1893163**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
R - High RPD observed, spike recovery is within range.

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-43465**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **4/3/2024**	RunNo: **90743**
Client ID: **MBLKW**	Batch ID: **43465**		Analysis Date: **4/3/2024**	SeqNo: **1892357**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	ND	0.200									
Arsenic	ND	0.500									
Chromium	ND	0.750									
Copper	ND	2.00									
Lead	ND	0.500									
Nickel	ND	0.500									
Zinc	ND	2.50									

Sample ID: **LCS-43465**	SampType: **LCS**	Units: **µg/L**	Prep Date: **4/3/2024**	RunNo: **90743**
Client ID: **LCSW**	Batch ID: **43465**		Analysis Date: **4/3/2024**	SeqNo: **1892358**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.22	0.200	5.000	0	104	85	115				
Arsenic	102	0.500	100.0	0	102	85	115				
Chromium	109	0.750	100.0	0	109	85	115				
Copper	115	2.00	100.0	0	115	85	115				
Lead	54.0	0.500	50.00	0	108	85	115				
Nickel	101	0.500	100.0	0	101	85	115				
Zinc	105	2.50	100.0	0	105	85	115				

Sample ID: **2404049-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **4/3/2024**	RunNo: **90743**
Client ID: **Batch 15-4-3-2024**	Batch ID: **43465**		Analysis Date: **4/3/2024**	SeqNo: **1892360**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	24.7	0.200						23.58	4.80	30	
Arsenic	6.17	0.500						5.998	2.88	30	
Chromium	4.10	0.750						4.108	0.195	30	
Copper	45.1	2.00						43.80	2.83	30	
Lead	5.42	0.500						5.084	6.49	30	
Nickel	3.97	0.500						3.922	1.32	30	

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **2404049-001CDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **4/3/2024**	RunNo: **90743**
Client ID: **Batch 15-4-3-2024**	Batch ID: **43465**		Analysis Date: **4/3/2024**	SeqNo: **1892360**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	586	2.50						547.7	6.81	30	

Sample ID: **2404049-001CMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **4/3/2024**	RunNo: **90743**
Client ID: **Batch 15-4-3-2024**	Batch ID: **43465**		Analysis Date: **4/3/2024**	SeqNo: **1892361**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	29.5	0.200	5.000	23.58	118	70	130				E
Arsenic	109	0.500	100.0	5.998	103	70	130				
Chromium	107	0.750	100.0	4.108	103	70	130				
Copper	149	2.00	100.0	43.80	105	70	130				
Lead	59.2	0.500	50.00	5.084	108	70	130				
Nickel	103	0.500	100.0	3.922	99.0	70	130				
Zinc	664	2.50	100.0	547.7	116	70	130				

Sample ID: **2403586-001AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **4/3/2024**	RunNo: **90743**
Client ID: **BATCH**	Batch ID: **43465**		Analysis Date: **4/3/2024**	SeqNo: **1892383**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	5.83	0.200	5.000	0.4750	107	70	130				
Arsenic	102	0.500	100.0	0.1180	102	70	130				
Chromium	111	0.750	100.0	9.845	102	70	130				
Copper	111	2.00	100.0	9.640	101	70	130				
Lead	50.2	0.500	50.00	0.4270	99.5	70	130				
Nickel	96.0	0.500	100.0	1.833	94.2	70	130				
Zinc	161	2.50	100.0	62.65	98.3	70	130				

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Total Suspended Solids (TSS) by SM 2540D

Sample ID: **MB-R90780**	SampType: **MBLK**	Units: **mg/L**	Prep Date: **4/5/2024**	RunNo: **90780**
Client ID: **MBLKW**	Batch ID: **R90780**		Analysis Date: **4/5/2024**	SeqNo: **1893013**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	ND	3.00									

Sample ID: **LCS-R90780**	SampType: **LCS**	Units: **mg/L**	Prep Date: **4/5/2024**	RunNo: **90780**
Client ID: **LCSW**	Batch ID: **R90780**		Analysis Date: **4/5/2024**	SeqNo: **1893014**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	242	3.00	300.0	0	80.7	65	135				

Sample ID: **2404044-002ADUP**	SampType: **DUP**	Units: **mg/L**	Prep Date: **4/5/2024**	RunNo: **90780**
Client ID: **BATCH**	Batch ID: **R90780**		Analysis Date: **4/5/2024**	SeqNo: **1893016**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	36.0	3.00						36.00	0	30	

Work Order: 2404049
CLIENT: 3 Kings Environmental
Project: Anacortes Demo Project

QC SUMMARY REPORT

Turbidity by EPA Method 180.1

Sample ID: **MB-R90828**	SampType: **MBLK**	Units: **NTU**	Prep Date: **4/3/2024**	RunNo: **90828**
Client ID: **MBLKW**	Batch ID: **R90828**		Analysis Date: **4/3/2024**	SeqNo: **1893925**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	ND	0.500									

Sample ID: **LCS-R90828**	SampType: **LCS**	Units: **NTU**	Prep Date: **4/3/2024**	RunNo: **90828**
Client ID: **LCSW**	Batch ID: **R90828**		Analysis Date: **4/3/2024**	SeqNo: **1893926**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	10.9	0.500	10.00	0	109	90	110				

Sample ID: **2404049-001DDUP**	SampType: **DUP**	Units: **NTU**	Prep Date: **4/3/2024**	RunNo: **90828**
Client ID: **Batch 15-4-3-2024**	Batch ID: **R90828**		Analysis Date: **4/3/2024**	SeqNo: **1893928**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Turbidity	0.840	0.500						0.7800	7.41	20	

Fremont Analytical
An Alliance Technical Group Company

Sample Log-In Check List

Client Name:	3KINGS	Work Order Number:	2404049
Logged by:	Morgan Wilson	Date Received:	4/3/2024 9:46:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☐	No ☑	NA ☐
		Unknown prior to receipt.		
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☐	No ☐	NA ☑
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	16.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Fremont Analytical
An Alliance Technical Group Company
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790

Chain of Custody Record & Laboratory Services Agreement

Date: 4-3-24 | Page: 1 of: 1 | Laboratory Project No (internal): 2404049

Project Name: Anacortes Demo Project | Special Remarks:

Client: 3 Kings Environmental

Project No: 223060

Address: PO Box 280

Collected by: Tom King

City, State, Zip: Battle Ground WA 98604

Location: MT Vernon

Telephone: 360-921-8702

Report To (PM): Jason Hawks

Disposal: Samples will be disposed in 30 days unless otherwise requested. ☐ Retain volume (specify above) ☐ Return to client

Email(s): TKing@3KingsInc.com

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Asbestos (332-22-4)	Turbidity | pH	TSS	LL Hg	Comments
1 ~~Batch 1-3~~															X	X	X	X		
2																				
3 Batch 15-4-3-2024	4-3-24	9:00	W	6						X	X	X			X	X	X	X		
4																				
5																				
6																				
7																				
8																				
9																				
10																				

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around Time:
☐ Standard ☐ Next Day
☒ 3 Day ☐ Same Day
☐ 2 Day ☐ (specify)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Thomas King	Thomas King	4-3-24 9:40	x	Nathan Koffler	4/3/24 946
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Appendix K
Air Monitoring Plan

January 2023
Former Water Treatment Plant Demolition Project

ANCHOR QEA

Air Monitoring Plan

Prepared for the City of Anacortes, Washington

January 2023
Former Water Treatment Plant Demolition Project

Air Monitoring Plan

Prepared for
City of Anacortes, Washington

Prepared by
Anchor QEA, LLC
1605 Cornwall Avenue
Bellingham, Washington 98225

Project Number: 210528-05.01

TABLE OF CONTENTS

1 Introduction 1

1.1 *Air Monitoring Program* Organization 1

1.2 Project Responsibilities 1

2 Air Monitoring Program 2

2.1 Monitoring Equipment 2

2.2 Air Monitoring 3

2.2.1 Baseline Air Monitoring 3

2.2.2 Meteorological Monitoring 3

2.2.3 Site Perimeter Monitoring 3

2.3 Proposed Action Levels – PM_{10} 4

3 Control Measures 5

4 Data Management 6

TABLES

Table 1-1 AMP Organization....1

Table 2-1 Monitoring Equipment....2

Table 2-2 PM_{10} Action Levels and Response Actions....4

ABBREVIATIONS

$\mu g/m^3$	microgram per cubic meter
AMP	*Air Monitoring Plan*
PCB	polychlorinated biphenyl
PM_{10}	particulates (dust) M<10 microns in diameter
Site	former Anacortes Water Treatment Plant

1 Introduction

This *Air Monitoring Plan* (AMP) has been prepared to support the former Anacortes Water Treatment Plant (Site) Demolition Project (the Project) located in Mount Vernon, Washington. Anchor QEA, LLC, prepared this AMP at the request of the City of Anacortes.

The Project includes polychlorinated biphenyl (PCB)-impacted soil removal and demolition of buildings and structures coated with PCB bulk product wastes. This AMP presents air monitoring activities that will be performed by the Engineer while the Contractor is implementing Project activities that may produce fugitive dust emissions. This AMP identifies action levels and associated control measures to be implemented by the Contractor based on the results of the air monitoring described herein. Air monitoring for on-site personnel safety will be addressed in the Engineer's and the Contractor's Site-specific health and safety plans.

1.1 Air Monitoring Program Organization

This AMP is organized into the sections described in Table 1-1.

Table 1-1
AMP Organization

Section	Description
1: Introduction	Presents general plan information, plan organization, and project responsibilities.
2: Air Monitoring Program	Describes the equipment, air monitoring program, and action levels.
3: Control Measures	Describes potential control measures to be used by the Contractor.
4: Data Management	Describes how the air monitoring data will be managed and reported.

1.2 Project Responsibilities

This subsection describes the responsibilities of the Engineer and Contractor. For the purposes of this AMP, the Engineer and Contractor are identified as follows:

- Engineer: Anchor QEA is the consulting engineering firm retained by the Owner to perform air monitoring activities and to document that the activities are conducted in accordance with this AMP.
- Contractor: The Contractor is to be selected by the Owner to implement the soil removal and demolition activities described herein and within other Contract Documents. The Contractor is responsible for performing work using methods that limit the generation and prevent the migration of particulates off site and outside the work area. The Contractor is also responsible for implementing control measures if air monitoring action levels are exceeded.

2 Air Monitoring Program

This section presents a description of air monitoring to be implemented during the Project. Air monitoring activities will be conducted prior to and during the Project activities that are likely to produce fugitive dust emissions and will include the collection of real-time meteorological and air monitoring data for particulate (dust) levels. The air monitoring activities will be conducted by the Engineer as described in this section. Additional parameters for personal and work area air monitoring (including carbon monoxide) will be presented in the Site-specific health and safety plans to be prepared by the Contractor and Engineer.

The air monitoring program to be implemented during the work activities will consist of the following monitoring tasks:

- Meteorological monitoring
- Site perimeter air monitoring

A description of the monitoring activities to be conducted is presented in Section 2.2.

2.1 Monitoring Equipment

Table 2-1 presents the air monitoring devices to be used, at a minimum.

Table 2-1
Monitoring Equipment

Parameter	Monitoring Equipment
Airborne particulates	• MIE DataRAM portable particulate monitor • TSI Dusttrak particulate monitor • Approved equal
Weather	• Meteorological system for continuous monitoring and collection of weather-related data (e.g., temperature, wind speed, and direction)

Air monitoring equipment will be maintained and calibrated in accordance with the manufacturers' procedures. Equipment calibrations will be recorded in the field activity log book. Preventive maintenance and repairs will be conducted in accordance with the respective manufacturers' procedures.

If an instrument is found to be inoperative or fails a calibration check, the instrument will be removed from service and repaired or replaced. Contingency monitors (at least one per monitor type) will be maintained on site for airborne particulates during the removal action.

Air monitoring will be conducted at the breathing zone, located approximately 5 feet above ground (or above floor level, if applicable).

2.2 Air Monitoring

2.2.1 Baseline Air Monitoring

Prior to conducting activities with the potential to disturb building materials and/or generate dust, baseline levels for particulates (dust) <10 microns in diameter (PM_{10}) will be established. Baseline levels will be representative of ambient air levels at the Site when non-demolition activities are being conducted. Site baseline values for airborne particulates will be compared to the air monitoring results obtained for particulates during the demolition to differentiate baseline concentrations from airborne concentrations generated by the demolition (i.e., any activities with the potential to disturb building materials (and PCB-impacted soil) and/or generate dust.

Baseline air monitoring data for PM_{10} will be collected using real-time monitors over a period of approximately two workdays. Readings will be recorded every 15 minutes for 1 hour, 3 times per day (morning, midday, and end of day). Readings will be recorded from the anticipated perimeter for the work areas and maintained by the Engineer. Readings will not be collected on days with sustained (more than 30 minutes) precipitation and as determined by the Engineer. because generated dust levels will be minimal. The results will establish Site baseline levels for airborne particulates.

2.2.2 Meteorological Monitoring

Meteorological monitoring will be conducted using a meteorological system, provided by the Engineer, to measure wind speed, wind direction, and temperature. The meteorological sensors will be positioned to provide for representative readings relative to the Site. Meteorological readings will be recorded on a data logging device; readings will be evaluated at least three times per day (i.e., once in the early morning, once in the mid-afternoon, and once in the late afternoon) by the Engineer to determine the upwind and downwind boundaries of the Site.

2.2.3 Site Perimeter Monitoring

Site perimeter monitoring will be performed by the Engineer to document that particulates (PM_{10}) above action levels are not migrating out of the work area. Up to three air monitoring stations will be located outside the active work area: one upwind station and up to two downwind stations. The monitoring points will be located at the Site perimeter boundaries closest to work areas most likely to produce fugitive dusts.

When the Contractor is implementing activities that have the potential to produce fugitive dust levels above the action levels, the Engineer will conduct real-time air monitoring for PM_{10} and record data at each Site perimeter monitoring location every 15 minutes. Readings will be recorded and

maintained on Site by the Engineer. Site perimeter PM_{10} readings will be collected an estimated three times per minute to calculate a 15-minute rolling average.

Results of the PM_{10} monitoring will be compared to the action levels presented in Section 2.3. Should action levels be met or exceeded at the work area perimeter, the Contractor will be notified and must implement control measures. Potential control/mitigation measures are described in Section 3. The selection of the control measures shall be determined by Contractor.

2.3 Proposed Action Levels – PM_{10}

PM_{10} action levels represent protective levels based on a combination of instantaneous visual data, as well as monitoring data averaged over a 15-minute period. These action levels would be in addition to the average baseline levels (to be determined as discussed in Section 2.2).

Note that the control measures described under the table heading"PM_{10} Response Action" are presented in Section 3.

Table 2-2
PM_{10} Action Levels and Response Actions

Monitoring Location	Action Level Monitoring Period	PM_{10} Action Level[1]	PM_{10} Response Action
Site perimeter	Instantaneous	Visible dust (emanating from work operations) and migrating outside the work area or Site perimeter	• Stop work. • Identify source of visible dust and implement control measures. • Resume work after source of visible dust has been controlled (such that there is no visible dust documented at the Site perimeter).
	15-minute average	PM_{10} <100 µg/m^3	• Perform normal operations
		PM_{10} ≥100 and <150 µg/m^3	• Identify source of dust and implement control measures.
		PM_{10} ≥150 µg/m^3	• Stop work. • Identify source of dust and implement control measures. • Resume work after source of PM_{10} has been controlled.

Note:

1. The PM_{10} action levels listed above may be adjusted by the Engineer based on the background (upwind) PM_{10} concentrations observed, as determined through real-time background (upwind) monitoring.
2. Specific control measures shall be proposed by the Contractor; however, potential control measures that may be employed are provided in Section 3.
3. Averaging procedures will be based on the specific equipment selected for the monitoring activities. For the PM_{10} monitoring, an estimated three readings per minute will be collected and averaged to generate the 15-minute average concentrations.

3 Control Measures

Measures to be used to control airborne particulate levels shall be proposed by the Contractor and reviewed by the Engineer.

Measures for airborne particulate control may include, but are not limited to, the following items:

- Apply water mist to point of dust generation.
- Apply water to exposed material piles.
- Cover staged material piles with polyethylene sheeting or other appropriate material.
- Reduce surface area of exposed material area.
- Containerize and cover material.
- Modify the pre-demolition/demolition or debris handling methods.
- Modify the rate of pre-demolition/demolition activities or specific methods.

Continued exceedances of the particulate control levels by the Contractor may result in work stoppage (as determined by the Engineer) until such time that the Contractor has demonstrated an ability to consistently conduct the work without exceeding the action levels. The Contractor shall not be entitled to any additional costs associated with modification of its work practices to achieve the action levels.

4 Data Management

Air monitoring data will be generated from a variety of sources, including real-time and handheld monitoring instruments.

Instruments capable of data logging will have data downloaded at the end of each work day. Air monitoring data that has been downloaded will be stored and maintained by the Engineer at the Site.

Air monitoring data will be included in a summary report. The report will include summaries of meteorological data, baseline air monitoring data, as well as air monitoring data collected during the demolition and soil excavation activities.

Appendix L
Air Monitoring Data

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
8/1/2023	AC-SP-ST-1	16.8 - 100 (µg/m³)	27.63 (µg/m³)
8/1/2023	AC-SP-ST-2	6.9 - 12 (µg/m³)	8.83 (µg/m³)
8/1/2023	AC-SP-ST-3	0.467 - 42.8 (µg/m³)	18.18 (µg/m³)
8/2/2023	AC-SP-ST-1	6 - 30.4 (µg/m³)	22.81 (µg/m³)
8/2/2023	AC-SP-ST-2	2 - 10 (µg/m³)	5.16 (µg/m³)
8/2/2023	AC-SP-ST-3	22 - 44.6 (µg/m³)	36.70 (µg/m³)
8/3/2023	AC-SP-ST-1	29 - 51.5 (µg/m³)	33.98 (µg/m³)
8/3/2023	AC-SP-ST-2	3.9 - 18 (µg/m³)	7.88 (µg/m³)
8/3/2023	AC-SP-ST-3	4.63e-015 - 489.8 (µg/m³)	28.89 (µg/m³)
8/7/2023	AC-SP-ST-1	9.87 - 21.2 (µg/m³)	12.93 (µg/m³)
8/7/2023	AC-SP-ST-2	0.1 - 7.9 (µg/m³)	2.33 (µg/m³)
8/7/2023	AC-SP-ST-3	0.1 - 8.9 (µg/m³)	4.22 (µg/m³)
8/8/2023	AC-SP-ST-1	12 - 57.2 (µg/m³)	22.67 (µg/m³)
8/8/2023	AC-SP-ST-2	3.6 - 12.1 (µg/m³)	7.36 (µg/m³)
8/8/2023	AC-SP-ST-3	0.1 - 14.8 (µg/m³)	7.59 (µg/m³)
8/9/2023	AC-SP-ST-1	13.6 - 26.3 (µg/m³)	21.59 (µg/m³)
8/9/2023	AC-SP-ST-2	6 - 6.5 (µg/m³)	6.25 (µg/m³)
8/9/2023	AC-SP-ST-3	1.2 - 7 (µg/m³)	3.07 (µg/m³)
8/14/2023	AC-SP-ST-1	8.47 - 40 (µg/m³)	16.95 (µg/m³)
8/14/2023	AC-SP-ST-2	4 - 12.5 (µg/m³)	9.24 (µg/m³)
8/14/2023	AC-SP-ST-3	0.1 - 24.8 (µg/m³)	13.31 (µg/m³)
8/15/2023	AC-SP-ST-1	21.6 - 55.7 (µg/m³)	34.86 (µg/m³)
8/15/2023	AC-SP-ST-2	6.5 - 40 (µg/m³)	14.43 (µg/m³)
8/15/2023	AC-SP-ST-3	0.1 - 35 (µg/m³)	8.11 (µg/m³)
8/16/2023	AC-SP-ST-1	2 - 164 (µg/m³)	37.61 (µg/m³)
8/16/2023	AC-SP-ST-2	1.2 - 11.7 (µg/m³)	4.33 (µg/m³)
8/16/2023	AC-SP-ST-3	0.5 - 15.3 (µg/m³)	10.27 (µg/m³)
8/17/2023	AC-SP-ST-1	17.5 - 165 (µg/m³)	40.28 (µg/m³)
8/17/2023	AC-SP-ST-2	1.7 - 30.2 (µg/m³)	8.53 (µg/m³)
8/17/2023	AC-SP-ST-3	0.3 - 50 (µg/m³)	13.15 (µg/m³)
8/21/2023	AC-SP-ST-1	23.5 - 155.3 (µg/m³)	43.67 (µg/m³)
8/21/2023	AC-SP-ST-2	0.5 - 31.7 (µg/m³)	14.13 (µg/m³)
8/21/2023	AC-SP-ST-3	0.1 - 43.6 (µg/m³)	19.07 (µg/m³)
8/22/2023	AC-SP-ST-1	3.4 - 63.6 (µg/m³)	22.47 (µg/m³)
8/22/2023	AC-SP-ST-2	0.1 - 18.9 (µg/m³)	6.26 (µg/m³)
8/22/2023	AC-SP-ST-3	0.1 - 23 (µg/m³)	10.01 (µg/m³)
8/23/2023	AC-SP-ST-1	13 - 37.3 (µg/m³)	23.53 (µg/m³)
8/23/2023	AC-SP-ST-2	0.1 - 12.8 (µg/m³)	6.68 (µg/m³)
8/23/2023	AC-SP-ST-3	0.3 - 20.5 (µg/m³)	7.83 (µg/m³)
8/24/2023	AC-SP-ST-1	20 - 63.1 (µg/m³)	42.73 (µg/m³)
8/24/2023	AC-SP-ST-2	8 - 32.9 (µg/m³)	18.30 (µg/m³)
8/24/2023	AC-SP-ST-3	0.2 - 25.7 (µg/m³)	6.72 (µg/m³)
8/28/2023	AC-SP-ST-1	58 - 157 (µg/m³)	85.46 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
8/28/2023	AC-SP-ST-2	31 - 92.9 (µg/m³)	61.55 (µg/m³)
8/28/2023	AC-SP-ST-3	19 - 81.7 (µg/m³)	60.13 (µg/m³)
8/29/2023	AC-SP-ST-1	38.1 - 59.9 (µg/m³)	44.53 (µg/m³)
8/29/2023	AC-SP-ST-2	22 - 104.4 (µg/m³)	31.03 (µg/m³)
8/29/2023	AC-SP-ST-3	19.3 - 81.5 (µg/m³)	63.96 (µg/m³)
8/30/2023	AC-SP-ST-1	17 - 30 (µg/m³)	23.58 (µg/m³)
8/30/2023	AC-SP-ST-2	11.9 - 20.9 (µg/m³)	16.79 (µg/m³)
8/30/2023	AC-SP-ST-3	0.1 - 87.7 (µg/m³)	8.61 (µg/m³)
8/31/2023	AC-SP-ST-1	21.2 - 46.9 (µg/m³)	32.14 (µg/m³)
8/31/2023	AC-SP-ST-2	9.1 - 31.2 (µg/m³)	17.82 (µg/m³)
8/31/2023	AC-SP-ST-3	2.5 - 111.2 (µg/m³)	49.55 (µg/m³)
9/5/2023	AC-SP-ST-1	18.9 - 46.5 (µg/m³)	29.12 (µg/m³)
9/5/2023	AC-SP-ST-2	1 - 26.6 (µg/m³)	15.26 (µg/m³)
9/5/2023	AC-SP-ST-3	0.3 - 71 (µg/m³)	15.02 (µg/m³)
9/6/2023	AC-SP-ST-1	14 - 99.7 (µg/m³)	32.66 (µg/m³)
9/6/2023	AC-SP-ST-2	3.9 - 16.1 (µg/m³)	9.68 (µg/m³)
9/6/2023	AC-SP-ST-3	0.1 - 102.6 (µg/m³)	20.71 (µg/m³)
9/7/2023	AC-SP-ST-1	5 - 43.5 (µg/m³)	18.35 (µg/m³)
9/7/2023	AC-SP-ST-2	3 - 28.7 (µg/m³)	13.73 (µg/m³)
9/7/2023	AC-SP-ST-3	1 - 19 (µg/m³)	10.83 (µg/m³)
9/8/2023	AC-SP-ST-1	25 - 43.7 (µg/m³)	39.62 (µg/m³)
9/8/2023	AC-SP-ST-2	0.1 - 16.9 (µg/m³)	8.00 (µg/m³)
9/8/2023	AC-SP-ST-3	0.1 - 6.4 (µg/m³)	2.48 (µg/m³)
9/11/2023	AC-SP-ST-1	13 - 72 (µg/m³)	16.79 (µg/m³)
9/11/2023	AC-SP-ST-2	0.1 - 7.6 (µg/m³)	1.62 (µg/m³)
9/11/2023	AC-SP-ST-3	0.1 - 11.4 (µg/m³)	1.73 (µg/m³)
9/12/2023	AC-SP-ST-1	11 - 34.8 (µg/m³)	28.57 (µg/m³)
9/12/2023	AC-SP-ST-2	0.1 - 9.4 (µg/m³)	2.39 (µg/m³)
9/12/2023	AC-SP-ST-3	0.1 - 6 (µg/m³)	1.83 (µg/m³)
9/13/2023	AC-SP-ST-1	15 - 60.5 (µg/m³)	31.42 (µg/m³)
9/13/2023	AC-SP-ST-2	0.1 - 28.4 (µg/m³)	6.50 (µg/m³)
9/13/2023	AC-SP-ST-3	0.3 - 8.3 (µg/m³)	3.21 (µg/m³)
9/14/2023	AC-SP-ST-1	1.4 - 66.8 (µg/m³)	21.70 (µg/m³)
9/14/2023	AC-SP-ST-2	2 - 48.2 (µg/m³)	15.49 (µg/m³)
9/14/2023	AC-SP-ST-3	0.1 - 9.6 (µg/m³)	3.70 (µg/m³)
9/18/2023	AC-SP-ST-1	8.8 - 58.5 (µg/m³)	17.71 (µg/m³)
9/18/2023	AC-SP-ST-2	2 - 97.3 (µg/m³)	13.13 (µg/m³)
9/18/2023	AC-SP-ST-3	0.1 - 8 (µg/m³)	0.98 (µg/m³)
9/19/2023	AC-SP-ST-1	4 - 21.7 (µg/m³)	7.44 (µg/m³)
9/19/2023	AC-SP-ST-2	1.1 - 18.7 (µg/m³)	4.94 (µg/m³)
9/19/2023	AC-SP-ST-3	1 - 36.6 (µg/m³)	4.09 (µg/m³)
9/20/2023	AC-SP-ST-1	10.4 - 32 (µg/m³)	19.38 (µg/m³)
9/20/2023	AC-SP-ST-2	1.1 - 17.4 (µg/m³)	5.17 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
9/20/2023	AC-SP-ST-3	0.1 - 5 (µg/m³)	2.20 (µg/m³)
9/21/2023	AC-SP-ST-1	17.5 - 60 (µg/m³)	24.68 (µg/m³)
9/21/2023	AC-SP-ST-2	2 - 29.5 (µg/m³)	17.97 (µg/m³)
9/21/2023	AC-SP-ST-3	0.3 - 10.4 (µg/m³)	4.13 (µg/m³)
9/25/2023	AC-SP-ST-1	12.5 - 32.4 (µg/m³)	23.07 (µg/m³)
9/25/2023	AC-SP-ST-2	11 - 15.4 (µg/m³)	13.21 (µg/m³)
9/25/2023	AC-SP-ST-3	0.1 - 9.3 (µg/m³)	2.79 (µg/m³)
9/26/2023	AC-SP-ST-1	3 - 10.5 (µg/m³)	7.73 (µg/m³)
9/26/2023	AC-SP-ST-2	1.3 - 8.7 (µg/m³)	4.85 (µg/m³)
9/26/2023	AC-SP-ST-3	0.1 - 50.5 (µg/m³)	3.62 (µg/m³)
9/27/2023	AC-SP-ST-1	2 - 14.5 (µg/m³)	6.72 (µg/m³)
9/27/2023	AC-SP-ST-2	2.1 - 61.4 (µg/m³)	11.05 (µg/m³)
9/27/2023	AC-SP-ST-3	0.1 - 6.3 (µg/m³)	1.93 (µg/m³)
9/28/2023	AC-SP-ST-1	10 - 38.4 (µg/m³)	20.24 (µg/m³)
9/28/2023	AC-SP-ST-2	2.1 - 18.9 (µg/m³)	7.39 (µg/m³)
9/28/2023	AC-SP-ST-3	0.0667 - 5.6 (µg/m³)	3.14 (µg/m³)
10/2/2023	AC-SP-ST-1	3 - 32.6 (µg/m³)	13.58 (µg/m³)
10/2/2023	AC-SP-ST-2	17.9 - 48.5 (µg/m³)	23.38 (µg/m³)
10/2/2023	AC-SP-ST-3	0.1 - 9 (µg/m³)	1.44 (µg/m³)
10/3/2023	AC-SP-ST-1	0.0667 - 29.8 (µg/m³)	7.58 (µg/m³)
10/3/2023	AC-SP-ST-2	3.6 - 20.5 (µg/m³)	9.10 (µg/m³)
10/3/2023	AC-SP-ST-3	0.1 - 6.6 (µg/m³)	1.94 (µg/m³)
10/4/2023	AC-SP-ST-1	8 - 25.9 (µg/m³)	17.90 (µg/m³)
10/4/2023	AC-SP-ST-2	7.9 - 23.9 (µg/m³)	15.35 (µg/m³)
10/4/2023	AC-SP-ST-3	0.1 - 32.1 (µg/m³)	6.20 (µg/m³)
10/5/2023	AC-SP-ST-1	13.4 - 59.3 (µg/m³)	35.39 (µg/m³)
10/5/2023	AC-SP-ST-2	3.9 - 43.4 (µg/m³)	23.94 (µg/m³)
10/5/2023	AC-SP-ST-3	0.1 - 42.2 (µg/m³)	9.17 (µg/m³)
10/9/2023	AC-SP-ST-1	9.93 - 17 (µg/m³)	12.73 (µg/m³)
10/9/2023	AC-SP-ST-2	0.5 - 36.7 (µg/m³)	6.53 (µg/m³)
10/9/2023	AC-SP-ST-3	0.7 - 83 (µg/m³)	28.34 (µg/m³)
10/10/2023	AC-SP-ST-1	0.1 - 45 (µg/m³)	8.78 (µg/m³)
10/10/2023	AC-SP-ST-2	0.2 - 12.8 (µg/m³)	4.28 (µg/m³)
10/10/2023	AC-SP-ST-3	1 - 23 (µg/m³)	4.93 (µg/m³)
10/11/2023	AC-SP-ST-1	0.0667 - 34 (µg/m³)	3.77 (µg/m³)
10/11/2023	AC-SP-ST-2	0.1 - 13.6 (µg/m³)	2.40 (µg/m³)
10/11/2023	AC-SP-ST-3	2 - 18.2 (µg/m³)	5.37 (µg/m³)
10/12/2023	AC-SP-ST-1	0.3 - 119 (µg/m³)	16.52 (µg/m³)
10/12/2023	AC-SP-ST-2	0.1 - 15.5 (µg/m³)	4.57 (µg/m³)
10/12/2023	AC-SP-ST-3	10 - 79.1 (µg/m³)	23.49 (µg/m³)
10/17/2023	AC-SP-ST-1	7.8 - 45 (µg/m³)	10.19 (µg/m³)
10/17/2023	AC-SP-ST-2	0.9 - 17.5 (µg/m³)	4.82 (µg/m³)
10/17/2023	AC-SP-ST-3	7.3 - 17.7 (µg/m³)	12.17 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
10/18/2023	AC-SP-ST-1	2.31e-016 - 13.5 (µg/m³)	2.12 (µg/m³)
10/18/2023	AC-SP-ST-2	1.3 - 12.3 (µg/m³)	7.19 (µg/m³)
10/18/2023	AC-SP-ST-3	2.5 - 14.3 (µg/m³)	9.35 (µg/m³)
10/19/2023	AC-SP-ST-1	1.3 - 25.8 (µg/m³)	9.15 (µg/m³)
10/19/2023	AC-SP-ST-2	0.4 - 16 (µg/m³)	5.04 (µg/m³)
10/19/2023	AC-SP-ST-3	2 - 21.7 (µg/m³)	15.18 (µg/m³)
10/23/2023	AC-SP-ST-1	4.13 - 45.8 (µg/m³)	14.60 (µg/m³)
10/23/2023	AC-SP-ST-2	1.9 - 35.2 (µg/m³)	11.27 (µg/m³)
10/23/2023	AC-SP-ST-3	12 - 51.5 (µg/m³)	20.99 (µg/m³)
10/24/2023	AC-SP-ST-1	3.6 - 12 (µg/m³)	6.43 (µg/m³)
10/24/2023	AC-SP-ST-2	0.7 - 11.7 (µg/m³)	4.11 (µg/m³)
10/24/2023	AC-SP-ST-3	8.5 - 16.7 (µg/m³)	12.05 (µg/m³)
10/25/2023	AC-SP-ST-1	1.87 - 18 (µg/m³)	6.59 (µg/m³)
10/25/2023	AC-SP-ST-2	0.6 - 8.3 (µg/m³)	4.44 (µg/m³)
10/25/2023	AC-SP-ST-3	10 - 16.7 (µg/m³)	14.67 (µg/m³)
10/26/2023	AC-SP-ST-1	14 - 26 (µg/m³)	19.36 (µg/m³)
10/26/2023	AC-SP-ST-2	4.6 - 15.9 (µg/m³)	8.91 (µg/m³)
10/26/2023	AC-SP-ST-3	13.2 - 37 (µg/m³)	21.99 (µg/m³)
10/30/2023	AC-SP-ST-1	10.7 - 36 (µg/m³)	19.48 (µg/m³)
10/30/2023	AC-SP-ST-2	0.9 - 22.4 (µg/m³)	8.98 (µg/m³)
10/30/2023	AC-SP-ST-3	10.7 - 29.3 (µg/m³)	18.58 (µg/m³)
10/31/2023	AC-SP-ST-1	10.1 - 36.1 (µg/m³)	17.22 (µg/m³)
10/31/2023	AC-SP-ST-2	1.9 - 22.8 (µg/m³)	9.68 (µg/m³)
10/31/2023	AC-SP-ST-3	16.7 - 43.3 (µg/m³)	21.59 (µg/m³)
11/1/2023	AC-SP-ST-1	26.2 - 75 (µg/m³)	38.48 (µg/m³)
11/1/2023	AC-SP-ST-2	11.5 - 72.3 (µg/m³)	25.43 (µg/m³)
11/1/2023	AC-SP-ST-3	28.4 - 51.3 (µg/m³)	38.28 (µg/m³)
11/6/2023	AC-SP-ST-1	7 - 15.8 (µg/m³)	11.00 (µg/m³)
11/6/2023	AC-SP-ST-2	1.8 - 6.9 (µg/m³)	4.58 (µg/m³)
11/6/2023	AC-SP-ST-3	7 - 17.2 (µg/m³)	14.40 (µg/m³)
11/7/2023	AC-SP-ST-1	1.8 - 36 (µg/m³)	16.88 (µg/m³)
11/7/2023	AC-SP-ST-2	1.2 - 20.5 (µg/m³)	6.82 (µg/m³)
11/7/2023	AC-SP-ST-3	9 - 27.3 (µg/m³)	20.52 (µg/m³)
11/8/2023	AC-SP-ST-1	16.8 - 30.1 (µg/m³)	20.77 (µg/m³)
11/8/2023	AC-SP-ST-2	5.7 - 32.5 (µg/m³)	11.44 (µg/m³)
11/8/2023	AC-SP-ST-3	17 - 31.5 (µg/m³)	23.47 (µg/m³)
11/9/2023	AC-SP-ST-1	10 - 35.4 (µg/m³)	18.15 (µg/m³)
11/9/2023	AC-SP-ST-2	0.1 - 20.7 (µg/m³)	7.33 (µg/m³)
11/9/2023	AC-SP-ST-3	10 - 34.5 (µg/m³)	19.56 (µg/m³)
11/13/2023	AC-SP-ST-1	1.8 - 18.8 (µg/m³)	5.07 (µg/m³)
11/13/2023	AC-SP-ST-2	0.1 - 26 (µg/m³)	4.56 (µg/m³)
11/13/2023	AC-SP-ST-3	3.9 - 36.5 (µg/m³)	7.01 (µg/m³)
11/14/2023	AC-SP-ST-1	8 - 33 (µg/m³)	18.65 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
11/14/2023	AC-SP-ST-2	0.1 - 21.9 (µg/m³)	7.76 (µg/m³)
11/14/2023	AC-SP-ST-3	12.6 - 39.5 (µg/m³)	21.77 (µg/m³)
11/15/2023	AC-SP-ST-1	8 - 32.8 (µg/m³)	19.29 (µg/m³)
11/15/2023	AC-SP-ST-2	0.7 - 32 (µg/m³)	9.05 (µg/m³)
11/15/2023	AC-SP-ST-3	7 - 36.2 (µg/m³)	20.74 (µg/m³)
11/16/2023	AC-SP-ST-1	2.7 - 26.6 (µg/m³)	15.29 (µg/m³)
11/16/2023	AC-SP-ST-2	0.4 - 36.2 (µg/m³)	5.33 (µg/m³)
11/16/2023	AC-SP-ST-3	3 - 23.2 (µg/m³)	16.59 (µg/m³)
11/20/2023	AC-SP-ST-1	9 - 36 (µg/m³)	15.46 (µg/m³)
11/20/2023	AC-SP-ST-2	0.1 - 40.6 (µg/m³)	7.42 (µg/m³)
11/20/2023	AC-SP-ST-3	11 - 25.5 (µg/m³)	15.40 (µg/m³)
11/21/2023	AC-SP-ST-1	10 - 109 (µg/m³)	26.55 (µg/m³)
11/21/2023	AC-SP-ST-2	0.1 - 91.2 (µg/m³)	16.67 (µg/m³)
11/21/2023	AC-SP-ST-3	11 - 101.6 (µg/m³)	29.32 (µg/m³)
11/22/2023	AC-SP-ST-1	6.6 - 13.3 (µg/m³)	11.00 (µg/m³)
11/22/2023	AC-SP-ST-2	0.1 - 11.5 (µg/m³)	2.25 (µg/m³)
11/22/2023	AC-SP-ST-3	12 - 15.6 (µg/m³)	13.68 (µg/m³)
11/27/2023	AC-SP-ST-1	21.5 - 54.1 (µg/m³)	32.13 (µg/m³)
11/27/2023	AC-SP-ST-2	11.8 - 99.9 (µg/m³)	32.15 (µg/m³)
11/27/2023	AC-SP-ST-3	21.8 - 61.5 (µg/m³)	34.86 (µg/m³)
11/28/2023	AC-SP-ST-1	15 - 64.5 (µg/m³)	26.39 (µg/m³)
11/28/2023	AC-SP-ST-2	3 - 26.8 (µg/m³)	14.38 (µg/m³)
11/28/2023	AC-SP-ST-3	16 - 49.7 (µg/m³)	25.94 (µg/m³)
11/29/2023	AC-SP-ST-1	19 - 84.3 (µg/m³)	34.88 (µg/m³)
11/29/2023	AC-SP-ST-2	5 - 79.4 (µg/m³)	25.78 (µg/m³)
11/29/2023	AC-SP-ST-3	22.7 - 92.5 (µg/m³)	35.83 (µg/m³)
11/30/2023	AC-SP-ST-1	18.7 - 53.1 (µg/m³)	32.99 (µg/m³)
11/30/2023	AC-SP-ST-2	4 - 37.2 (µg/m³)	21.11 (µg/m³)
11/30/2023	AC-SP-ST-3	19.4 - 91.9 (µg/m³)	34.83 (µg/m³)
12/4/2023	AC-SP-ST-1	7.88 - 15.5 (µg/m³)	10.90 (µg/m³)
12/4/2023	AC-SP-ST-2	0.1 - 12.3 (µg/m³)	4.11 (µg/m³)
12/4/2023	AC-SP-ST-3	2.3 - 33.3 (µg/m³)	11.62 (µg/m³)
12/5/2023	AC-SP-ST-1	2 - 34.3 (µg/m³)	15.67 (µg/m³)
12/5/2023	AC-SP-ST-2	0.1 - 27.1 (µg/m³)	7.73 (µg/m³)
12/5/2023	AC-SP-ST-3	2 - 37.6 (µg/m³)	17.84 (µg/m³)
12/6/2023	AC-SP-ST-1	10.1 - 53 (µg/m³)	24.39 (µg/m³)
12/6/2023	AC-SP-ST-2	0.1 - 51.3 (µg/m³)	16.32 (µg/m³)
12/6/2023	AC-SP-ST-3	6.3 - 67.5 (µg/m³)	24.65 (µg/m³)
12/7/2023	AC-SP-ST-1	1 - 9 (µg/m³)	5.78 (µg/m³)
12/7/2023	AC-SP-ST-2	0.1 - 2 (µg/m³)	0.57 (µg/m³)
12/7/2023	AC-SP-ST-3	0.5 - 10.8 (µg/m³)	8.49 (µg/m³)
12/8/2023	AC-SP-ST-1	15 - 38.5 (µg/m³)	22.03 (µg/m³)
12/8/2023	AC-SP-ST-2	2.3 - 22.7 (µg/m³)	10.21 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
12/8/2023	AC-SP-ST-3	14 - 50.2 (µg/m³)	22.32 (µg/m³)
12/11/2023	AC-SP-ST-1	11.1 - 41.3 (µg/m³)	22.52 (µg/m³)
12/11/2023	AC-SP-ST-2	1 - 36.4 (µg/m³)	15.07 (µg/m³)
12/11/2023	AC-SP-ST-3	4 - 29.9 (µg/m³)	14.84 (µg/m³)
12/12/2023	AC-SP-ST-1	4.67 - 60.7 (µg/m³)	19.60 (µg/m³)
12/12/2023	AC-SP-ST-2	0.1 - 69.3 (µg/m³)	10.16 (µg/m³)
12/12/2023	AC-SP-ST-3	7 - 32 (µg/m³)	17.77 (µg/m³)
12/13/2023	AC-SP-ST-1	6 - 41.8 (µg/m³)	16.32 (µg/m³)
12/13/2023	AC-SP-ST-2	0.3 - 42.1 (µg/m³)	6.78 (µg/m³)
12/13/2023	AC-SP-ST-3	9.1 - 64.9 (µg/m³)	15.29 (µg/m³)
12/14/2023	AC-SP-ST-1	7 - 19.2 (µg/m³)	15.15 (µg/m³)
12/14/2023	AC-SP-ST-2	2.3 - 18.7 (µg/m³)	7.62 (µg/m³)
12/14/2023	AC-SP-ST-3	11 - 29 (µg/m³)	16.38 (µg/m³)
12/15/2023	AC-SP-ST-1	3 - 38.1 (µg/m³)	12.51 (µg/m³)
12/15/2023	AC-SP-ST-2	0.1 - 196.4 (µg/m³)	13.07 (µg/m³)
12/15/2023	AC-SP-ST-3	4 - 16.7 (µg/m³)	10.41 (µg/m³)
12/18/2023	AC-SP-ST-1	20.7 - 46.8 (µg/m³)	32.46 (µg/m³)
12/18/2023	AC-SP-ST-2	21 - 47.3 (µg/m³)	31.87 (µg/m³)
12/18/2023	AC-SP-ST-3	14.3 - 46.6 (µg/m³)	26.28 (µg/m³)
12/19/2023	AC-SP-ST-1	8 - 29.5 (µg/m³)	15.55 (µg/m³)
12/19/2023	AC-SP-ST-2	0.1 - 32.2 (µg/m³)	9.84 (µg/m³)
12/19/2023	AC-SP-ST-3	1 - 33.3 (µg/m³)	11.18 (µg/m³)
12/20/2023	AC-SP-ST-1	12.5 - 107 (µg/m³)	20.81 (µg/m³)
12/20/2023	AC-SP-ST-2	0.6 - 32.7 (µg/m³)	8.45 (µg/m³)
12/20/2023	AC-SP-ST-3	3.1 - 40.4 (µg/m³)	13.51 (µg/m³)
12/21/2023	AC-SP-ST-1	15.8 - 47.9 (µg/m³)	22.69 (µg/m³)
12/21/2023	AC-SP-ST-2	5.8 - 26.7 (µg/m³)	13.63 (µg/m³)
12/21/2023	AC-SP-ST-3	10.4 - 34.3 (µg/m³)	17.97 (µg/m³)
12/26/2023	AC-SP-ST-1	5 - 133 (µg/m³)	9.82 (µg/m³)
12/26/2023	AC-SP-ST-2	0.1 - 16.5 (µg/m³)	2.52 (µg/m³)
12/26/2023	AC-SP-ST-3	0.1 - 6.5 (µg/m³)	3.02 (µg/m³)
12/27/2023	AC-SP-ST-1	2 - 33.1 (µg/m³)	10.95 (µg/m³)
12/27/2023	AC-SP-ST-2	0.1 - 10.1 (µg/m³)	1.73 (µg/m³)
12/27/2023	AC-SP-ST-3	1.1 - 12 (µg/m³)	3.79 (µg/m³)
12/28/2023	AC-SP-ST-1	1.8 - 7.87 (µg/m³)	4.17 (µg/m³)
12/28/2023	AC-SP-ST-2	0.0667 - 10 (µg/m³)	2.98 (µg/m³)
12/28/2023	AC-SP-ST-3	0.1 - 86 (µg/m³)	3.28 (µg/m³)
12/29/2023	AC-SP-ST-1	3 - 24.7 (µg/m³)	12.42 (µg/m³)
12/29/2023	AC-SP-ST-2	0.0667 - 17.1 (µg/m³)	4.69 (µg/m³)
12/29/2023	AC-SP-ST-3	0.1 - 10.5 (µg/m³)	5.03 (µg/m³)
1/2/2024	AC-SP-ST-1	6.3 - 19.2 (µg/m³)	12.90 (µg/m³)
1/2/2024	AC-SP-ST-2	2.33 - 13.7 (µg/m³)	8.16 (µg/m³)
1/2/2024	AC-SP-ST-3	1.9 - 16 (µg/m³)	7.84 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
1/3/2024	AC-SP-ST-1	6.2 - 24.8 (µg/m³)	16.52 (µg/m³)
1/3/2024	AC-SP-ST-2	0.1 - 12.1 (µg/m³)	6.33 (µg/m³)
1/3/2024	AC-SP-ST-3	0.1 - 12.6 (µg/m³)	6.62 (µg/m³)
1/4/2024	AC-SP-ST-1	0.1 - 98.5 (µg/m³)	8.32 (µg/m³)
1/4/2024	AC-SP-ST-2	0.0667 - 128 (µg/m³)	6.04 (µg/m³)
1/4/2024	AC-SP-ST-3	0.1 - 272.7 (µg/m³)	7.60 (µg/m³)
1/5/2024	AC-SP-ST-1	7.33 - 22.5 (µg/m³)	12.38 (µg/m³)
1/5/2024	AC-SP-ST-2	1.4 - 23 (µg/m³)	8.94 (µg/m³)
1/5/2024	AC-SP-ST-3	1 - 21.7 (µg/m³)	7.71 (µg/m³)
1/10/2024	AC-SP-ST-1	8 - 19.7 (µg/m³)	10.39 (µg/m³)
1/10/2024	AC-SP-ST-2	0.1 - 10.5 (µg/m³)	3.40 (µg/m³)
1/10/2024	AC-SP-ST-3	0.1 - 10 (µg/m³)	2.16 (µg/m³)
1/11/2024	AC-SP-ST-1	0.6 - 14.6 (µg/m³)	10.56 (µg/m³)
1/11/2024	AC-SP-ST-2	0.1 - 12.3 (µg/m³)	4.09 (µg/m³)
1/11/2024	AC-SP-ST-3	0.1 - 42 (µg/m³)	4.96 (µg/m³)
1/15/2024	AC-SP-ST-1	9.87 - 34.4 (µg/m³)	16.21 (µg/m³)
1/15/2024	AC-SP-ST-2	0.1 - 24.7 (µg/m³)	7.04 (µg/m³)
1/15/2024	AC-SP-ST-3	9.2 - 36.1 (µg/m³)	16.80 (µg/m³)
1/16/2024	AC-SP-ST-1	9.87 - 28.7 (µg/m³)	18.21 (µg/m³)
1/16/2024	AC-SP-ST-2	3.3 - 21.9 (µg/m³)	11.80 (µg/m³)
1/16/2024	AC-SP-ST-3	8.5 - 27.7 (µg/m³)	17.83 (µg/m³)
1/17/2024	AC-SP-ST-1	0.444 - 15 (µg/m³)	9.69 (µg/m³)
1/17/2024	AC-SP-ST-2	0.6 - 7 (µg/m³)	3.12 (µg/m³)
1/17/2024	AC-SP-ST-3	5 - 16.7 (µg/m³)	12.54 (µg/m³)
1/18/2024	AC-SP-ST-1	3 - 20.2 (µg/m³)	10.65 (µg/m³)
1/18/2024	AC-SP-ST-2	0.1 - 6 (µg/m³)	1.58 (µg/m³)
1/18/2024	AC-SP-ST-3	1 - 31.4 (µg/m³)	5.70 (µg/m³)
1/19/2024	AC-SP-ST-1	16 - 45.9 (µg/m³)	25.19 (µg/m³)
1/19/2024	AC-SP-ST-2	0.1 - 31.6 (µg/m³)	10.62 (µg/m³)
1/19/2024	AC-SP-ST-3	7 - 55.5 (µg/m³)	19.03 (µg/m³)
1/22/2024	AC-SP-ST-1	2 - 14.5 (µg/m³)	9.81 (µg/m³)
1/22/2024	AC-SP-ST-2	0.1 - 67.5 (µg/m³)	4.07 (µg/m³)
1/22/2024	AC-SP-ST-3	0.1 - 3.7 (µg/m³)	0.75 (µg/m³)
1/23/2024	AC-SP-ST-1	0.867 - 14 (µg/m³)	8.47 (µg/m³)
1/23/2024	AC-SP-ST-2	0.1 - 2 (µg/m³)	0.49 (µg/m³)
1/23/2024	AC-SP-ST-3	0.1 - 2.9 (µg/m³)	1.38 (µg/m³)
1/24/2024	AC-SP-ST-1	1 - 14.3 (µg/m³)	9.36 (µg/m³)
1/24/2024	AC-SP-ST-2	1 - 1 (µg/m³)	1.00 (µg/m³)
1/24/2024	AC-SP-ST-3	0.1 - 1.5 (µg/m³)	0.71 (µg/m³)
1/25/2024	AC-SP-ST-1	1.13 - 13 (µg/m³)	9.15 (µg/m³)
1/25/2024	AC-SP-ST-2	0.1 - 2.3 (µg/m³)	1.18 (µg/m³)
1/25/2024	AC-SP-ST-3	0.1 - 2.9 (µg/m³)	1.56 (µg/m³)
1/26/2024	AC-SP-ST-1	11.4 - 18.3 (µg/m³)	12.90 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
1/26/2024	AC-SP-ST-2	1.16e-016 - 4.93 (µg/m³)	1.97 (µg/m³)
1/26/2024	AC-SP-ST-3	1 - 12.1 (µg/m³)	3.30 (µg/m³)
1/29/2024	AC-SP-ST-1	0.1 - 16 (µg/m³)	12.25 (µg/m³)
1/29/2024	AC-SP-ST-2	1.16e-016 - 6.2 (µg/m³)	1.40 (µg/m³)
1/29/2024	AC-SP-ST-3	1 - 6 (µg/m³)	3.23 (µg/m³)
1/30/2024	AC-SP-ST-1	11 - 37 (µg/m³)	15.49 (µg/m³)
1/30/2024	AC-SP-ST-2	0.1 - 16.5 (µg/m³)	4.62 (µg/m³)
1/30/2024	AC-SP-ST-3	0.1 - 22.3 (µg/m³)	4.60 (µg/m³)
1/31/2024	AC-SP-ST-1	0.7 - 14.9 (µg/m³)	9.98 (µg/m³)
1/31/2024	AC-SP-ST-2	0.0667 - 4.6 (µg/m³)	0.93 (µg/m³)
1/31/2024	AC-SP-ST-3	0.1 - 5.3 (µg/m³)	2.74 (µg/m³)
2/1/2024	AC-SP-ST-1	1.83 - 11 (µg/m³)	7.73 (µg/m³)
2/1/2024	AC-SP-ST-2	0.1 - 13.4 (µg/m³)	1.61 (µg/m³)
2/1/2024	AC-SP-ST-3	0.1 - 6 (µg/m³)	2.34 (µg/m³)
2/2/2024	AC-SP-ST-1	1.67 - 17 (µg/m³)	8.14 (µg/m³)
2/2/2024	AC-SP-ST-2	0.1 - 8.5 (µg/m³)	2.25 (µg/m³)
2/2/2024	AC-SP-ST-3	0.1 - 4.1 (µg/m³)	2.46 (µg/m³)
2/5/2024	AC-SP-ST-1	4 - 27.3 (µg/m³)	15.33 (µg/m³)
2/5/2024	AC-SP-ST-2	0.5 - 16.2 (µg/m³)	5.24 (µg/m³)
2/5/2024	AC-SP-ST-3	2.9 - 24.5 (µg/m³)	6.39 (µg/m³)
2/6/2024	AC-SP-ST-1	10.1 - 33.1 (µg/m³)	18.73 (µg/m³)
2/6/2024	AC-SP-ST-2	1.4 - 24.9 (µg/m³)	12.61 (µg/m³)
2/6/2024	AC-SP-ST-3	8.7 - 22.1 (µg/m³)	13.74 (µg/m³)
2/7/2024	AC-SP-ST-1	22.6 - 40.5 (µg/m³)	28.64 (µg/m³)
2/7/2024	AC-SP-ST-2	6.1 - 30.6 (µg/m³)	14.13 (µg/m³)
2/7/2024	AC-SP-ST-3	1 - 35.8 (µg/m³)	17.59 (µg/m³)
2/8/2024	AC-SP-ST-1	5.53 - 15 (µg/m³)	10.43 (µg/m³)
2/8/2024	AC-SP-ST-2	0.1 - 15.5 (µg/m³)	3.08 (µg/m³)
2/8/2024	AC-SP-ST-3	0.1 - 17.5 (µg/m³)	1.94 (µg/m³)
2/9/2024	AC-SP-ST-1	8.33 - 24 (µg/m³)	15.59 (µg/m³)
2/9/2024	AC-SP-ST-2	3.6 - 28.6 (µg/m³)	9.91 (µg/m³)
2/9/2024	AC-SP-ST-3	6.9 - 36.1 (µg/m³)	15.38 (µg/m³)
2/12/2024	AC-SP-ST-1	8 - 11 (µg/m³)	9.17 (µg/m³)
2/12/2024	AC-SP-ST-2	0.1 - 5.3 (µg/m³)	1.45 (µg/m³)
2/12/2024	AC-SP-ST-3	1 - 9.9 (µg/m³)	4.00 (µg/m³)
2/13/2024	AC-SP-ST-1	0.0667 - 17.8 (µg/m³)	10.36 (µg/m³)
2/13/2024	AC-SP-ST-2	0.1 - 6.5 (µg/m³)	1.92 (µg/m³)
2/13/2024	AC-SP-ST-3	1 - 12.1 (µg/m³)	4.96 (µg/m³)
2/14/2024	AC-SP-ST-1	1 - 14.6 (µg/m³)	9.94 (µg/m³)
2/14/2024	AC-SP-ST-2	0.1 - 12.1 (µg/m³)	4.25 (µg/m³)
2/14/2024	AC-SP-ST-3	3 - 9.4 (µg/m³)	4.88 (µg/m³)
2/15/2024	AC-SP-ST-1	0.4 - 11 (µg/m³)	7.06 (µg/m³)
2/15/2024	AC-SP-ST-2	0.1 - 6.5 (µg/m³)	2.12 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
2/15/2024	AC-SP-ST-3	1.7 - 6.8 (µg/m³)	3.05 (µg/m³)
2/16/2024	AC-SP-ST-1	2.07 - 50.6 (µg/m³)	12.25 (µg/m³)
2/16/2024	AC-SP-ST-2	0.1 - 22.9 (µg/m³)	3.73 (µg/m³)
2/16/2024	AC-SP-ST-3	2.2 - 14 (µg/m³)	6.00 (µg/m³)
2/19/2024	AC-SP-ST-1	10 - 31.3 (µg/m³)	21.32 (µg/m³)
2/19/2024	AC-SP-ST-2	2.3 - 19.9 (µg/m³)	10.43 (µg/m³)
2/19/2024	AC-SP-ST-3	8.1 - 22.3 (µg/m³)	14.34 (µg/m³)
2/20/2024	AC-SP-ST-1	8.07 - 45.7 (µg/m³)	19.43 (µg/m³)
2/20/2024	AC-SP-ST-2	0.1 - 26.9 (µg/m³)	17.43 (µg/m³)
2/20/2024	AC-SP-ST-3	0.1 - 48.5 (µg/m³)	15.15 (µg/m³)
2/21/2024	AC-SP-ST-1	0.0667 - 11 (µg/m³)	6.30 (µg/m³)
2/21/2024	AC-SP-ST-2	0.1 - 9.5 (µg/m³)	1.59 (µg/m³)
2/21/2024	AC-SP-ST-3	0.1 - 16.5 (µg/m³)	2.51 (µg/m³)
2/22/2024	AC-SP-ST-1	0.0667 - 10.5 (µg/m³)	7.35 (µg/m³)
2/22/2024	AC-SP-ST-2	0.1 - 1.7 (µg/m³)	0.54 (µg/m³)
2/22/2024	AC-SP-ST-3	1 - 7 (µg/m³)	2.84 (µg/m³)
2/23/2024	AC-SP-ST-1	7.13 - 24.3 (µg/m³)	16.86 (µg/m³)
2/23/2024	AC-SP-ST-2	0.1 - 20.5 (µg/m³)	4.93 (µg/m³)
2/23/2024	AC-SP-ST-3	5.4 - 39.5 (µg/m³)	12.05 (µg/m³)
2/26/2024	AC-SP-ST-1	4 - 21.4 (µg/m³)	9.32 (µg/m³)
2/26/2024	AC-SP-ST-2	0.1 - 11.6 (µg/m³)	3.25 (µg/m³)
2/26/2024	AC-SP-ST-3	2.1 - 49.9 (µg/m³)	5.03 (µg/m³)
2/27/2024	AC-SP-ST-1	5 - 13.2 (µg/m³)	10.49 (µg/m³)
2/27/2024	AC-SP-ST-2	0.1 - 9 (µg/m³)	2.78 (µg/m³)
2/27/2024	AC-SP-ST-3	2.5 - 12.2 (µg/m³)	5.92 (µg/m³)
2/28/2024	AC-SP-ST-1	8 - 9.7 (µg/m³)	8.79 (µg/m³)
2/28/2024	AC-SP-ST-2	0.1 - 0.8 (µg/m³)	0.25 (µg/m³)
2/28/2024	AC-SP-ST-3	1.1 - 3.5 (µg/m³)	2.01 (µg/m³)
2/29/2024	AC-SP-ST-1	8.5 - 12.8 (µg/m³)	11.09 (µg/m³)
2/29/2024	AC-SP-ST-2	0.1 - 3.2 (µg/m³)	1.65 (µg/m³)
2/29/2024	AC-SP-ST-3	1.1 - 40.9 (µg/m³)	4.54 (µg/m³)
3/1/2024	AC-SP-ST-1	0.0667 - 5.13 (µg/m³)	1.96 (µg/m³)
3/1/2024	AC-SP-ST-2	0.1 - 1 (µg/m³)	0.39 (µg/m³)
3/1/2024	AC-SP-ST-3	0.1 - 4.2 (µg/m³)	1.88 (µg/m³)
3/4/2024	AC-SP-ST-1	2.13 - 17.2 (µg/m³)	5.89 (µg/m³)
3/4/2024	AC-SP-ST-2	0.1 - 9.29 (µg/m³)	2.54 (µg/m³)
3/4/2024	AC-SP-ST-3	3 - 20 (µg/m³)	6.41 (µg/m³)
3/5/2024	AC-SP-ST-1	1 - 6.67 (µg/m³)	4.15 (µg/m³)
3/5/2024	AC-SP-ST-2	0.1 - 5.4 (µg/m³)	1.76 (µg/m³)
3/5/2024	AC-SP-ST-3	0.1 - 9.4 (µg/m³)	5.21 (µg/m³)
3/6/2024	AC-SP-ST-1	4.13 - 12.4 (µg/m³)	7.59 (µg/m³)
3/6/2024	AC-SP-ST-2	1.4 - 10.1 (µg/m³)	4.97 (µg/m³)
3/6/2024	AC-SP-ST-3	5.9 - 13.5 (µg/m³)	9.03 (µg/m³)

Appendix L

Anacortes Former Water Treatment Plant Site Perimeter Air Monitoring Data

Date	Station	Site Perimeter PM_{10} Range	Site Perimeter PM_{10} Daily Avg
3/7/2024	AC-SP-ST-1	8.2 - 17 (µg/m³)	10.74 (µg/m³)
3/7/2024	AC-SP-ST-2	1.5 - 18.2 (µg/m³)	6.09 (µg/m³)
3/7/2024	AC-SP-ST-3	7.6 - 23.9 (µg/m³)	11.95 (µg/m³)
3/8/2024	AC-SP-ST-1	2 - 8.53 (µg/m³)	3.83 (µg/m³)
3/8/2024	AC-SP-ST-2	0.1 - 3.29 (µg/m³)	0.99 (µg/m³)
3/8/2024	AC-SP-ST-3	2.8 - 13.6 (µg/m³)	6.09 (µg/m³)
3/11/2024	AC-SP-ST-1	0.3 - 15.5 (µg/m³)	3.93 (µg/m³)
3/11/2024	AC-SP-ST-2	0.1 - 4 (µg/m³)	1.03 (µg/m³)
3/11/2024	AC-SP-ST-3	2 - 8.8 (µg/m³)	5.06 (µg/m³)
3/12/2024	AC-SP-ST-1	1 - 7 (µg/m³)	3.87 (µg/m³)
3/13/2024	AC-SP-ST-1	7 - 11 (µg/m³)	8.64 (µg/m³)
3/13/2024	AC-SP-ST-2	0.1 - 11.9 (µg/m³)	2.58 (µg/m³)
3/13/2024	AC-SP-ST-3	5.9 - 23.7 (µg/m³)	10.40 (µg/m³)
3/14/2024	AC-SP-ST-1	3 - 16.9 (µg/m³)	8.94 (µg/m³)
3/14/2024	AC-SP-ST-2	0.1 - 16.4 (µg/m³)	2.69 (µg/m³)
3/14/2024	AC-SP-ST-3	3.6 - 13.2 (µg/m³)	8.44 (µg/m³)
3/15/2024	AC-SP-ST-1	9.7 - 23.9 (µg/m³)	14.31 (µg/m³)
3/15/2024	AC-SP-ST-2	0.8 - 16.7 (µg/m³)	6.02 (µg/m³)
3/15/2024	AC-SP-ST-3	9.5 - 24.9 (µg/m³)	13.67 (µg/m³)
3/18/2024	AC-SP-ST-1	13.7 - 46.1 (µg/m³)	25.79 (µg/m³)
3/18/2024	AC-SP-ST-2	1.5 - 47.9 (µg/m³)	15.51 (µg/m³)
3/18/2024	AC-SP-ST-3	11.7 - 43.2 (µg/m³)	25.54 (µg/m³)
3/19/2024	AC-SP-ST-1	22.8 - 45.4 (µg/m³)	29.43 (µg/m³)
3/19/2024	AC-SP-ST-2	8.5 - 37.7 (µg/m³)	17.83 (µg/m³)
3/19/2024	AC-SP-ST-3	21.1 - 56.7 (µg/m³)	30.52 (µg/m³)
3/20/2024	AC-SP-ST-1	13.1 - 32.7 (µg/m³)	18.72 (µg/m³)
3/20/2024	AC-SP-ST-2	1.1 - 14.3 (µg/m³)	6.57 (µg/m³)
3/20/2024	AC-SP-ST-3	9.9 - 20.8 (µg/m³)	14.89 (µg/m³)
3/21/2024	AC-SP-ST-1	9.9 - 18 (µg/m³)	13.49 (µg/m³)
3/21/2024	AC-SP-ST-2	0.1 - 8.8 (µg/m³)	2.04 (µg/m³)
3/21/2024	AC-SP-ST-3	7 - 17.4 (µg/m³)	10.13 (µg/m³)
3/22/2024	AC-SP-ST-1	9.4 - 22.8 (µg/m³)	13.25 (µg/m³)
3/22/2024	AC-SP-ST-2	0.1 - 14.3 (µg/m³)	3.80 (µg/m³)
3/22/2024	AC-SP-ST-3	4 - 22.5 (µg/m³)	11.50 (µg/m³)

Appendix M
Air Monitoring Exceedances and Actions Taken

Anacortes FWTP PM10 Exceedance Log and Corrective Actions			
Date	*Time*	*Station*	*Source and Corrective Action*
8/16/2023	0915	1	Dust from demolition activities and tracking equipment around the work area Anchor recommends water cannon be used to wet the area.
8/16/2023	1000	1	Dust from tracking equipment in the work area and the dirt road. Anchor recommends water cannon be used to wet the area.
8/17/2023	0905	1	Dust from loading scrap metal and tracking equipment around the work area. Anchor requests they wet the roads.
8/17/2023	Morning	1	Spikes throughout the morning from driving by the dirt road. Anchor relocated the station further up the hill for next week to move away from the dirt road.
8/21/2023	0930	1	Truck traffic and machines moving on the dirt roads. Anchor recommends water cannon be used to wet the area.
8/28/2023	730	1	Station 1 starts off above 100 ug/m3 due to haze and truck exhaust. All meters elevated.
8/29/2023	1355	2	Spike in afternoon - wind blowing towards demo (not from it) so assumed to be related to cars on road/not related to demolition activities.
8/31/2023	1615	3	Spike in afternoon - wind blowing towards demo (not from it) so assumed to be related to cars on road/not related to demolition activities.
9/6/2023	1330	3	Unit out of calibration and returned to normal levels after calibration.
11/21/2023	1245	2 & 3	Crew was at lunch from 12-1. There was noticeable haze in the area. No work was being performed.
12/15/2023	1510	2	Dust from clean demolition of the Chemical Storage Room slab. Anchor requests 3 Kings adjust their dust control.
12/15/2023	1545	2	Dust from clean demolition of the Chemical Storage Room slab. Anchor requests 3 Kings pause until levels return below action levels and further adjust their dust control.
1/4/2024	1640	3	Smoke from brush/trash fire across the river. All meters elevated.