



Your Northwest renewables utility

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DEPT OF ECOLOGY
TCP - NWRO

January 27, 2016

Donna Musa
Washington State Department of Ecology
3190 160th Ave SE
Bellevue, WA 98008-5452

Subject: Oil Spill Incident; ERTS # 657576; 28514 3rd Ave NE (Kuhnhauser Rd.); Arlington, WA;
Snohomish County PUD regulator #'s 143, 145 and 155.

Dear Ms. Musa:

This correspondence and the attached documentation represent the final cleanup report for the spill event referenced above. A summary of the incident follows.

On the afternoon of June 19th, 2015, a S.U.V. traveling south on 3rd Ave. N.E., also known as Kuhnhauser Rd., collided with the first pole of a two-pole regulator rack structure. The first pole sheared while the vehicle kept moving, coming to rest at the second pole of the structure. The regulators were hanging, mid-air, for a brief amount of time, during which the driver crawled out of the back window. Sometime thereafter, coinciding with the arrival of some first responders, the regulator rack fell onto the vehicle with the powerlines still energized, and after several minutes (accounts differ), the mineral oil (<1 p.p.m. PCBs) spilled from the regulators caught fire. Firefighters arrived on scene and allowed the scene to continue to burn, wetting down adjacent trees to the west, observing the fire and maintaining a safe perimeter until the scene could be safely approached. The Sheriff's office and Snohomish County Public Works road crews assisted with blocking the roadway to all traffic. The fire burned from approximately 12:50pm until 8:00pm, though the start time for the fire is uncertain.

The regulators contained a combined total of about 270 gallons (90 gallons each) of mineral oil. Much of that burned, but the initial regulator fall and break, and the subsequent wetting of the area for fire safety, including a continuously wetted safety perimeter, allowed approximately 60-70 gallons to move down the west ditch line, contaminating about 300 linear feet of soils & vegetation in the ditch, and about 200 linear feet of roadway surface. The ditch was dry at the time of the incident, and no oil made it to surface waters, however the ditch does connect with a fish bearing stream another 1000 feet to the south of the most distal contamination. No material from the oil spill or firefighting efforts made it to this stream. While lines were still energized and the fire was burning, crews created small dams of granular absorbent in the ditch at safe distances, preventing additional oil from moving too far down the ditch line as the fire scene changed the topography of the accident scene. Soils were very dry, and absorbed oil, water and firefighting foam fairly readily; all of the soils contaminated with those materials were removed from the site as part of the oil contamination clean up.

National Response Corporation, our spill contractor, was called in to assist with the mineral oil spill clean-up at about 1pm on June 19th. From June 19th through 30th, all contaminated soils and vegetation were removed from the site over several working days. The dissolved and burned roadway, caused by heated and burning oil, was patched by Snohomish County Road crews.

On June 22nd, samples were taken to help direct remaining clean-up after the initial high surface concentrations had been removed. Regulators had historic Non-PCB oil results, but on June 23rd, oil samples

were re-taken from the remaining oil in the regulators to re-confirm that no PCBs were present. Finally, on June 29th, one day prior to restoration work and after approximately 30 yards of contaminated soils and vegetation were removed from the site, three confirmation samples were taken from locations expected to remain most contaminated after the clean-up. These samples revealed oil remaining in soil at levels of 3600ppm, 140ppm and Non-detect at 2, 30 and 60 feet from the original scene respectively. Each of these oil concentrations is below MTCA thresholds for mineral oil. The ditch was restored with gravel, soil and grass seed where vegetation was present. The confirmation sample results are documented in ALS Laboratory report # 15060146, and attached to this letter, along with all other test results mentioned above. The site with the highest concentration of oil-in-soils, at 3600 ppm, had more soil taken from that locale just before restoration, to ensure that the entire area met clean-up standards.

We are confident the site complies with Method A Cleanup Levels for Unrestricted Land Use as outlined in the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), Chapter 173-340 WAC.

If you have any questions concerning this matter, please feel free to call me at 425.783.4314.

Sincerely,



Amberlynn Pauley
Sr. Environmental Specialist
Snohomish PUD #1



SPILL / LEAK REPORT

(Required by Federal Law, 40 CFR 761.125 or State Law, WAC 173-340)

- Report written by: A. Pauley Discovered by: Whitecotton WO #: 399140
- Date: 6/19/15 Time: 12:35pm Weather: ☐rain ☐wind ☒Other: Sunny, minor clouds
- Spill location: 28518 3rd Ave NE (Kuhnhauser Rd) Arlington 276 C7
Street City Map Grid
- Spill Contained: ☐Yes ☒No Comments: Car Pole to 3 unit regulator rack
- Substance spilled: Mineral Oil Gallon(s) Spilled: Estimated: 250 Actual: ~250
Regulator #'s 143-145 Some burned up
- Transformer #: 143/145/155 Serial #: 155 Make: McGraw (x3)
Year Manufactured: NA JACO Lab Report #: EV15060146 PCBs: <1 ppm
ALS
or Vehicle No.: NA Other Equipment: Poles - 4-45/4-46
- Cause of spill: ☐storm ☐elec. failure ☐tree ☐dig in ☒car/pole ☐other: _____
- Describe extent of spill area: ☐unit/pole only ☐ <5' from pole/unit ☒ >5' from pole/unit
Is spill area defined by visible traces? ☒Yes ☐No _____
- Describe contaminated area or materials: Road surface only & ditch, car and regulators and most equipment burned & later disposed of
- Describe solid surfaces cleaned and method used: ~30 bags granular absorbent ~300 spill pads, ~6 gallons water-based biodegradable solvent
- Approximate depth of soil excavation and cubic yds of soil removed: 6" x 8' x 20' + total cubic yards ~ 20 c.y. 14" x 506' x 6'
- Describe other removal or cleanup actions: 10' x 200' + 12' x 75' = Swept w/ granular absorbent
Removed all electrical equip 6/20/15
After fire & after totaled vehicle removal.
- Sketch and brief description of spill site on the back of this report.

- Dates: Cleanup Started 6/19/15 Cleanup Completed 6/30/15 Site Restored 6/30/15
- Spill Reporting:

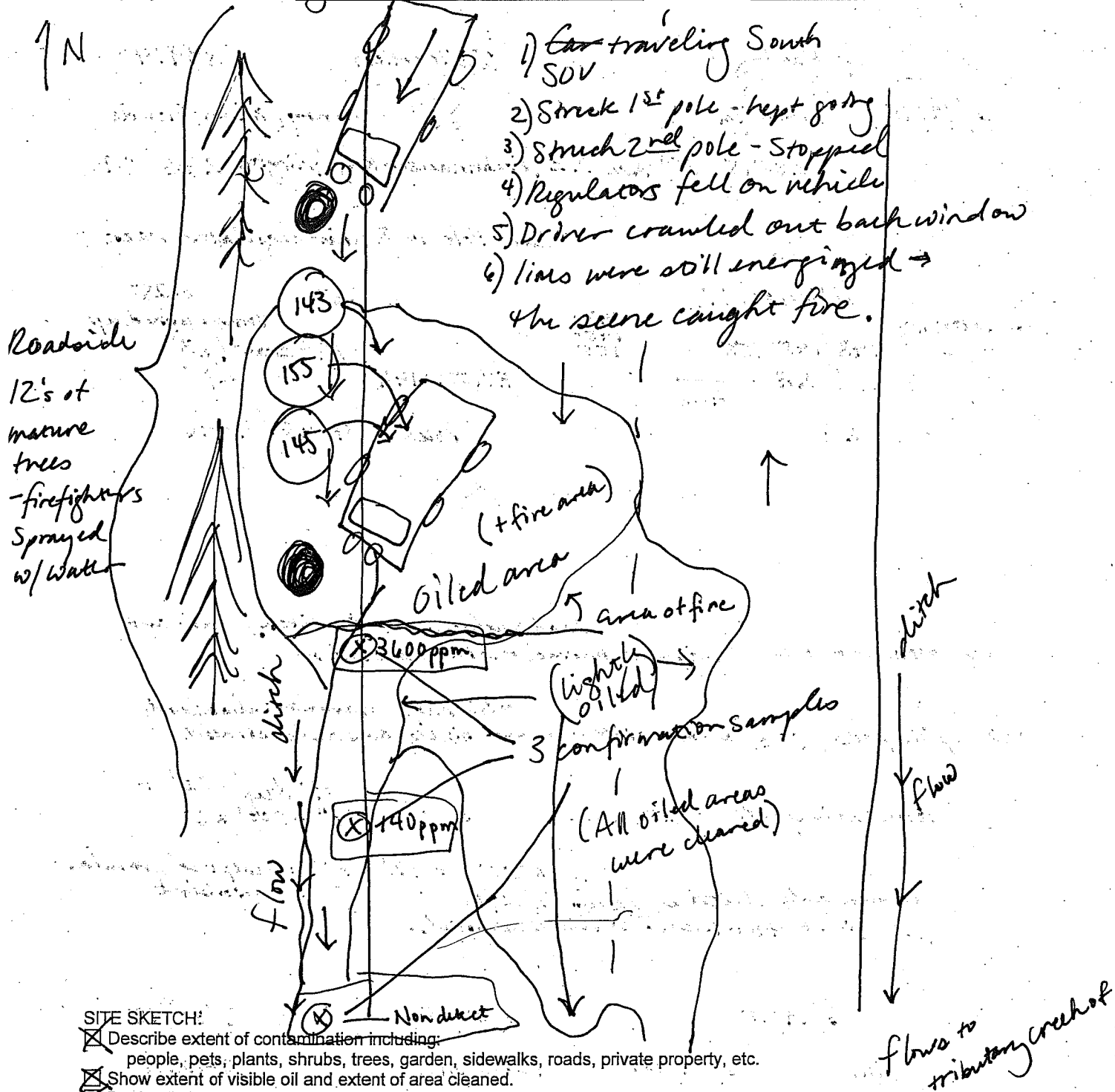
Person	Date	Time	Phone #	Spill Report #
EMD <u>Jim</u>	<u>6/19/2015</u>	<u>12:35pm</u>	<u>800.258.5990</u>	<u>15-2288</u>
WDOE <u>Dick Walther</u>	<u>6/19/2015</u>	<u>12:56pm</u>	<u>425.649.7229</u>	

Attach Spill Notification List if other agencies are notified NRC Offer Dedaux 800.424.8802 112 0319 12:55pm
- Clean-up confirmation sampling data: ALS Report # EV15060197, June 29th
☒Unrestricted land use ☐Industrial land use
Comments: _____
- Terrestrial Ecological Evaluation: ☐Excluded ☐Simplified ☐Site Specific
Comments: _____
- Certification EPA and/or WDOE spill clean-up requirements have been met and the above information is correct to the best of my knowledge.

NRC Engaged @ 12:47 Jason Potts 206-423-1857

Names of cleanup crew: NRC Environmental 206-423-1857

Property Owner's Name: Snohomish Co Public Wks Phone No.: _____



SITE SKETCH:

- ☒ Describe extent of contamination including: people, pets, plants, shrubs, trees, garden, sidewalks, roads, private property, etc.
- ☒ Show extent of visible oil and extent of area cleaned.
- ☒ Depict ditches, storm drains, streams, ponds, etc.
- ☐ Identify landmarks near spill area, parks, residence, commercial building, etc.
- ☒ Identify the location(s) of cleanup verification sample(s).

CLEANUP ACTIVITIES:

- ☒ Contained spill on ground surface.
- ☒ Cleaned up spilled oil or other substance.
- ☒ Removed contaminated soil and debris.
- ☒ Removed contaminated vegetation.
- ☐ Wiped down surfaces. **NA**
- ☐ Cleaned vault. **NA**



June 24, 2015

Ms. Amberlynn Pauley
Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

Dear Ms. Pauley,

On June 22nd, 4 samples were received by our laboratory and assigned our laboratory project number EV15060146. The project was identified as your 28518 Kuhnhausen. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

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ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

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Environmental

www.alsglobal.com

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**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen
CLIENT SAMPLE ID: GS-1' Burn Scar

DATE: 6/24/2015
ALS JOB#: EV15060146
ALS SAMPLE#: EV15060146-01
DATE RECEIVED: 06/22/2015
COLLECTION DATE: 6/19/2015 10:00:00 AM
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Transformer Oil	NWTPH-DX	99000	5000	100	MG/KG	06/22/2015	EBS
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25 100X Dilution	NWTPH-DX	105 DS2	06/22/2015	EBS
TCMX	EPA-8082	129	06/24/2015	GAP
DCB	EPA-8082	97.0	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
DS2 - Due to high dilution factor surrogate results should be considered uncontrolled.
Chromatogram indicates that it is likely that sample contains transformer oil.

**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen
CLIENT SAMPLE ID: GS-4" E Ditch 15' S. Burn Scar

DATE: 6/24/2015
ALS JOB#: EV15060146
ALS SAMPLE#: EV15060146-02
DATE RECEIVED: 06/22/2015
COLLECTION DATE: 6/19/2015 10:15:00 AM
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Transformer Oil	NWTPH-DX	130	50	1	MG/KG	06/22/2015	EBS
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	105	06/22/2015	EBS
TCMX	EPA-8082	62.0	06/24/2015	GAP
DCB	EPA-8082	129	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
Chromatogram indicates that it is likely that sample contains transformer oil.

**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107
CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen
CLIENT SAMPLE ID: GS-6" W Ditch 50' S. Burn Scar

DATE: 6/24/2015
ALS JOB#: EV15060146
ALS SAMPLE#: EV15060146-03
DATE RECEIVED: 06/22/2015
COLLECTION DATE: 6/19/2015 10:05:00 AM
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Transformer Oil	NWTPH-DX	24000	1200	25	MG/KG	06/22/2015	EBS
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25 25X Dilution	NWTPH-DX	118 DS2	06/22/2015	EBS
TCMX	EPA-8082	65.0	06/24/2015	GAP
DCB	EPA-8082	107	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.
DS2 - Due to high dilution factor surrogate results should be considered uncontrolled.
Chromatogram indicates that it is likely that sample contains transformer oil.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107
DATE: 6/24/2015
ALS JOB#: EV15060146
ALS SAMPLE#: EV15060146-04
CLIENT CONTACT: Amberlynn Pauley
DATE RECEIVED: 06/22/2015
CLIENT PROJECT: 28518 Kuhnhausen
COLLECTION DATE: 6/19/2015 10:10:00 AM
CLIENT SAMPLE ID: GS-3" W Ditch, 1st Outfall
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Oil Range	NWTPH-DX	190	50	1	MG/KG	06/22/2015	EBS
TPH-Transformer Oil	NWTPH-DX	90	50	1	MG/KG	06/22/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	106	06/22/2015	EBS

Chromatogram indicates that it is likely that sample contains transformer oil.
Chromatogram indicates that it is likely that sample contains lube oil.

**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

DATE: 6/24/2015
ALS SDG#: EV15060146
WDOE ACCREDITATION: C601

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen

LABORATORY BLANK RESULTS**MB-061815S - Batch 94426 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/18/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/18/2015	EBS
TPH-Transformer Oil	NWTPH-DX	U	50	1	MG/KG	06/18/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

MBLK-6242015 - Batch R256786 - Soil by EPA-8082

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107
CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen

DATE: 6/24/2015
ALS SDG#: EV15060146
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 94426 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	108			06/18/2015	EBS
TPH-Diesel Range - BSD	NWTPH-DX	101	6		06/18/2015	EBS

ALS Test Batch ID: R256786 - Soil by EPA-8082

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
PCB-1016 - BS	EPA-8082	85.0			06/24/2015	GAP
PCB-1016 - BSD	EPA-8082	79.0	7		06/24/2015	GAP
PCB-1260 - BS	EPA-8082	89.0			06/24/2015	GAP
PCB-1260 - BSD	EPA-8082	84.0	6		06/24/2015	GAP

APPROVED BY

Laboratory Director

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI5060146

Date 6/22 Page 1 Of 1

[illegible]

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: _____
Received By: _____ ALB 6/22/15 12:25

2. Relinquished By: _____
Received By: _____

TURNAROUND REQUESTED in Business Days*
Organic, Metals & Inorganic Analysis OTHER:

Fuels & Hydrocarbon Analysis

Specify: _____

*Turnaround request less than standard may incur Rush Charges



RECEIVED

JUN 29 2015

GENERAL ACCTG

TO: _____

June 24, 2015

Ms. Amberlynn Pauley
Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

Dear Ms. Pauley,

On June 23rd, 3 samples were received by our laboratory and assigned our laboratory project number EV15060150. The project was identified as your Spill - 3rd Ave NE. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: Spill - 3rd Ave NE
CLIENT SAMPLE ID: REG 300236

DATE: 6/24/2015
ALS JOB#: EV15060150
ALS SAMPLE#: EV15060150-01
DATE RECEIVED: 06/23/2015
COLLECTION DATE: 6/23/2015 9:00:00 AM
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-600/4-81-045	90.0	06/24/2015	GAP
DCB	EPA-600/4-81-045	125	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: Spill - 3rd Ave NE
CLIENT SAMPLE ID: REG 300237

DATE: 6/24/2015
ALS JOB#: EV15060150
ALS SAMPLE#: EV15060150-02
DATE RECEIVED: 06/23/2015
COLLECTION DATE: 6/23/2015 9:15:00 AM
WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-600/4-81-045	111	06/24/2015	GAP
DCB	EPA-600/4-81-045	126	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

DATE: 6/24/2015
ALS JOB#: EV15060150
ALS SAMPLE#: EV15060150-03
DATE RECEIVED: 06/23/2015
COLLECTION DATE: 6/23/2015 9:30:00 AM
WDOE ACCREDITATION: C601

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: Spill - 3rd Ave NE
CLIENT SAMPLE ID: REG 300243

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TCMX	EPA-600/4-81-045	111	06/24/2015	GAP
DCB	EPA-600/4-81-045	127	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

DATE: 6/24/2015
ALS SDG#: EV15060150
WDOE ACCREDITATION: C601

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: Spill - 3rd Ave NE

LABORATORY BLANK RESULTS

MBLK-6242015 - Batch R256764 - Other by EPA-600/4-81-045

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1221	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1232	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1242	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1248	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1254	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1260	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP
PCB-1268	EPA-600/4-81-045	U	1.0	1	MG/KG	06/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107
CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: Spill - 3rd Ave NE

DATE: 6/24/2015
ALS SDG#: EV15060150
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R256764 - Other by EPA-600/4-81-045

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
PCB-1016 - BS	EPA-600/4-81-045	109			06/24/2015	GAP
PCB-1016 - BSD	EPA-600/4-81-045	99.0	10		06/24/2015	GAP
PCB-1260 - BS	EPA-600/4-81-045	97.0			06/24/2015	GAP
PCB-1260 - BSD	EPA-600/4-81-045	89.0	9		06/24/2015	GAP

APPROVED BY

Laboratory Director



ALS Environmental
8620 Holly Drive, Suite 100
Everett, WA 98208
Phone (425) 356-2600
Fax (425) 356-2626
http://www.alsglobal.com

Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV15060150

Date 6/23/15 Page 1 Of 1

PROJECT ID: SPILL - 5RD AVE NE					ANALYSIS REQUESTED															OTHER (Specify)				
REPORT TO COMPANY: SNOHOMISH CO PUD					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA-8021 MTBE by EPA-8021 ☐ EPA-8260 ☐ Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM ☐ PCB ☒ Pesticides ☐ by EPA 8081/8082 Metals-MTCA-5 ☐ RCRA-8 ☐ Pri Pol ☐ TAL ☐ Metals Other (Specify) TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐																			
PROJECT MANAGER: AMBER PAULEY																								
ADDRESS: PO BOX 1107																								
EVERETT, WA 98206																								
PHONE: 425 783 5504 FAX: INV FILE																								
PO. #: E-MAIL: INV FILE																								
INVOICE TO COMPANY: VERBAL																								
ATTENTION:																								
ADDRESS:																								
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																				
1. REG 300236	6/23/15	9:00	OIL	1																				
2. REG 300237	6/23/15	9:15	OIL	2																				
3. REG 300243	6/23/15	9:30	OIL	3																				
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: J. [Signature], SNO PUD, 6/23/15, 10:15

Received By: [Signature], ALS, 6/23/15, 10:15 am

2. Relinquished By: _____

Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

10 5 3 2 ☒ ☒

Fuels & Hydrocarbon Analysis

5 3 1 SAME DAY

OTHER:

Specify: _____

*Turnaround request less than standard may incur Rush Charges



RECEIVED

JUL 09 2015

GENERAL ACCTG

TO: _____

July 6, 2015

Ms. Amberlynn Pauley
Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

Dear Ms. Pauley,

On June 29th, 3 samples were received by our laboratory and assigned our laboratory project number EV15060197. The project was identified as your 28518 Kuhnhausen. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director

**CERTIFICATE OF ANALYSIS**

CLIENT:	Snohomish County PUD PO Box 1107 Everett, WA 98206-1107	DATE:	7/6/2015
CLIENT CONTACT:	Amberlynn Pauley	ALS JOB#:	EV15060197
CLIENT PROJECT:	28518 Kuhnhausen	ALS SAMPLE#:	EV15060197-01
CLIENT SAMPLE ID	GS-3' S. end Burn Scar	DATE RECEIVED:	06/29/2015
		COLLECTION DATE:	6/29/2015 10:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Transformer Oil	NWTPH-DX	3600	250	5	MG/KG	06/30/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25 5X Dilution	NWTPH-DX	89.8	06/30/2015	EBS

Chromatogram indicates that it is likely that sample contains transformer oil.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

DATE: 7/6/2015

ALS JOB#: EV15060197

ALS SAMPLE#: EV15060197-02

CLIENT CONTACT: Amberlynn Pauley

DATE RECEIVED: 06/29/2015

CLIENT PROJECT: 28518 Kuhnhausen

COLLECTION DATE: 6/29/2015 1:00:00 PM

CLIENT SAMPLE ID GS-2'/30' S. of B.S.

WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Transformer Oil	NWTPH-DX	140	50	1	MG/KG	06/30/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	79.9	06/30/2015	EBS

Chromatogram indicates that it is likely that sample contains transformer oil.

**CERTIFICATE OF ANALYSIS**

CLIENT:	Snohomish County PUD PO Box 1107 Everett, WA 98206-1107	DATE:	7/6/2015
CLIENT CONTACT:	Amberlynn Pauley	ALS JOB#:	EV15060197
CLIENT PROJECT:	28518 Kuhnhausen	ALS SAMPLE#:	EV15060197-03
CLIENT SAMPLE ID	GS-2'/60' S. of B.S.	DATE RECEIVED:	06/29/2015
		COLLECTION DATE:	6/29/2015 3:45:00 PM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Transformer Oil	NWTPH-DX	U	50	1	MG/KG	06/30/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	84.5	06/30/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107

DATE: 7/6/2015
ALS SDG#: EV15060197
WDOE ACCREDITATION: C601

CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen

LABORATORY BLANK RESULTS

MB-062715S - Batch 94750 - Soil by NWTPH-DX

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/28/2015	EBS
TPH-Transformer Oil	NWTPH-DX	U	50	1	MG/KG	06/28/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Snohomish County PUD
PO Box 1107
Everett, WA 98206-1107
CLIENT CONTACT: Amberlynn Pauley
CLIENT PROJECT: 28518 Kuhnhausen

DATE: 7/6/2015
ALS SDG#: EV15060197
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 94750 - Soil by NWTPH-DX

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	102			06/28/2015	EBS
TPH-Diesel Range - BSD	NWTPH-DX	97.6	4		06/28/2015	EBS

APPROVED BY

Laboratory Director



ALS Job# (Laboratory Use Only)

EV15060197

Date 6/29 Page 1 Of 1

PROJECT ID: 28518 Kuhnhausen					
REPORT TO COMPANY: Snohomish PUD					
PROJECT MANAGER: Amberlynn Pauley					
ADDRESS: PO Box 4107 Everett WA 98206					
PHONE: 425-210-7415 FAX: —					
P.O. #: — E-MAIL: apauley@sno.pud.com					
INVOICE TO COMPANY: See Contract					
ATTENTION:					
ADDRESS:					
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	
1. GS-3'S end Burn Scar	6/29	10:45am	GS	1	X
2. GS-2'/30'S. of B.S.	6/29	1:00pm	GS	2	X
3. GS-2'/60'S. of B.S.	6/29	3:45pm	GS	3	X
4.					
5.					
6.					
7.					
8.					
9.					
10.					

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By:

Received By: _____

2. Relinquished By:

Received By:

TURNAROUND REQUESTED in Business Days*

OTHER:

Specify: _____

Organic, Metals & Inorganic Analysis

Grade	Number of Students
10	10
5	5
3	3
2	2
1	1
SAM DAY	1

Fuels & Hydrocarbon Analysis

~~5~~ 3 1 SAM
DAY

*Turnaround request less than standard may incur Rush Charges

PCB (Method 8082A) TEST REPORT

09/23/2009

135
SNOHOMISH COUNTY PUD
2320 CALIFORNIA ST
EVERETT WA 98206
Attn: BOB EDEN

JACO ANALYTICAL, Inc.
103 12th Ave SW
EPHRATA WA 98823
WA LAB ID#: C256

Report #: 24E03465

Date received: 09/21/2009 Date analyzed: 09/23/2009
Refer to Customer Chain of Custody for date and time of sample collection.
Please contact the laboratory at 509-754-5725 if you have any questions.

UTILITY SERIAL NO.	COMPANY #	MISC.	AROCLOR	PPM	JAL #
79ZF14B001	300233	MCG 250	REG 140	ND	E24E8828
79ZF15B002	300236	MCG 167	REG 143	ND	E24E8829
79ZF15B009	300237	MCG 167	RE 145	ND	E24E8830
79ZF14B010	306876	MCG 250	REG 161	ND	E24E8831
79ZF14B015	306874	MCG 250	REG 163	ND	E24E8832
85ZA574-001	306861	MCG 250	REG 167	ND	E24E8833
3-3735-04934-55	300256	AC 250	REG 173	ND	E24E8834
78ZG44E006	306858	MCG 250	1016	5 REG 139	E24E8835
79ZF14B011	300245	MCG 250	REG 157	ND	E24E8836
79ZF14B012	300246	MCG 250	REG 159	ND	E24E8837
79ZF14B013	300247	MCG 250	REG 160	ND	E24E8838
79ZF14B007	300242	MCG 250	REG 153	ND	E24E8839

Report #: 24E03465

Page 1 of 1

Number of samples: 12

Glenda Nelson, Director



SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4630 PACIFIC HIGHWAY EAST, SUITE B-14 • TACOMA, WASHINGTON 98424 • TELEPHONE (206) 922-2310

Report To: Snohomish County P.U.D. No. 1 Date: April 20, 1987

Report On: PCB in Oil Lab No: A 1671

IDENTIFICATION:

Samples submitted on 4-17-87
Contract No. 1051

ANALYSIS:

<u>Laboratory Sample No.</u>	<u>Client Identification</u>	<u>PCB Type</u>	<u>PCB, mg/kg</u>
1	N-9179-X	1260	3.4
2	L-4615-X	----	< 1
3	R-2490-X	1254	6.4
4	H-561-X	----	< 1
5	T-579-X	1260	1389 *
6	S-3007-X	----	< 1
7	# 155	----	< 1
8	# 154	----	< 1
9	# 144	----	< 1
10	L-9145-X	----	< 1
11	L-5088-X	1254	< 1
12	L-12159-T	----	< 1
13	N-5018-X	1254	< 1
14	S-842-X	----	< 1
15	L-720-X	----	< 1
16	N-14486-T	NOTED 1260	< 1

APR 22 1987

R. H. Ritter

Continued



North County Fire/EMS

Serving the Communities of
Bryant, Freeborn,
Warm Beach,
City of Stanwood

Joseph E. Simmons

Captain

206-909-6899

Phone: (360) 629-2184

Fax: (360) 652-3166

jsimmons@northcountyfireems.com

NORTH COUNTY REGIONAL FIRE AUTHORITY

8117 267th St. NW

Stanwood, WA 98292

www.NorthCountyFireEms.com



*Working with
you for a better
Washington*

Richard Walker

Assistant On-Scene Coordinator

Spill Prevention, Preparedness & Response Program

Department of Ecology
Northwest Regional Office
3190 160th Ave SE
Bellevue, WA 98008-5452

425-649-7116
Cell 425-941-7691
Rager 206-986-9202
24 Hr. 425-649-7000
FAX 425-649-7098

dick.walker@ecy.wa.gov



JASON POTTS

Regional Emergency Response Manager

jpotts@nrcc.com

9520 10th Avenue S. Suite 150
Seattle, WA 98108

Direct: (206) 607.3054

Cell: (206) 423.1857

Phone: (206) 607.3000

Fax: (206) 607.3001

**EMERGENCY RESPONSE
1-800-33 SPILL**

www.nrcc.com



Snohomish County

Public Works

Road Maintenance

Rick Lind

Sign & Traffic Control Technician

Journey Level

(425) 388-7500
Cell (425) 359-2122
1-800-562-4367
FAX (425) 388-7575

8915 Cathcart Way
Snohomish, WA 98296
www.snoco.org

*Persons + Agencies
who assisted w/ the
6/19/2015 Regulator Rush
Car-pole incident on
Kuhnhauser Rd (3rd Ave NE)
Arlington WA.*

*R. Lind
Sno PWD Enviro Affairs*