SNOHOMISH
HEALTH DISTRICT
WWW.SNOHD.ORG

Environmental Health Division

February 7, 2013

Steven and Janet Klett
14430 44th Street NE
Lake Stevens, WA 98258

Subject: **Site Hazard Assessment** – Sea-Alaska Industrial Electrical
Facility Site ID: 9525627
Site Address: 415 Maple Avenue
Snohomish, WA 98290
Parcel Number: 280618 002 06800
Cleanup Site: #417

Dear Property Owners:

Snohomish Health District is writing to inform you that the above referenced property was subject to a Site Hazard Assessment (SHA) as required under the Model Toxics Control Act, in December 2012. The site was determined to be contaminated with petroleum hydrocarbons (TPH) and 2 heavy metals (cadmium and lead). The site's hazard ranking, an estimation of the potential threat to human health and/or the environment relative to all other Washington state sites assessed at this time, has been determined by the Department of Ecology (Ecology) to be a 3, where a 1 represents the highest relative risk and 5 the lowest.

For your information, Ecology will be publishing the results of this, and other recently assessed sites, in the *February 2013, Special Issue of the Site Register*. The site hazard ranking will be used in conjunction with other considerations in determining Ecology's priority for future action at this site.

For inquiries regarding what may occur with your site now that it is on Ecology's Hazardous Sites List please contact Donna Musa at (425) 649-7136 or donna.musa@ecy.wa.gov.

Sincerely,

Anne Alfred, MPH, RS
Environmental Health Specialist
Snohomish Health District

AA:jg

c: Ted Benson, Department of Ecology Headquarters, TCP
Donna Musa, Site Hazard Assessment Coordinator, Department of Ecology

SITE HAZARD ASSESSMENT

WORKSHEET 1

Summary Score Sheet

SITE INFORMATION:

Site Name: Sea Alaska Industrial Electric
Address: 415 Maple Ave, Snohomish, WA 98290
Section/Township/Range: S18 T28 R06 NW
Latitude: 47.91635 Longitude: -122.08805
Tax Parcel: 28061800206800
Ecology Facility Site ID: 9525627
Ecology Cleanup Site ID: 417
Site scored/ranked for the February 2013 update

SITE DESCRIPTION:
Sea-Alaska Industrial Electric has been located at 415 Maple Ave, Snohomish WA 98290 since 1975. The area is mixed industrial and residential and is adjacent to the Burlington Northern train tracks near downtown Snohomish. The site is in a combined sewer area within the city of Snohomish; that is, site runoff to storm drainage goes to the sewage treatment facility rather than to the nearest body of water.

The site is fairly flat, with soils being a gravelly, sandy, loam. The Pilchuck River is 1200 feet east and the Snohomish River is 2400 feet southwest.

The site is approximately 76 feet above sea level. Groundwater flows are predominately north to south. According to well logs the water table ranges from 9 to 20 feet deep in a two mile radius and underlying soils are sand/silt/clay/gravel mix. A decommissioned well next door at 417 Maple Ave had water at 12 feet. City of Snohomish water is surface water plus well water, but none of the city wells are in the area.

The contamination at this site was discovered by an Ecology employee who was investigating an adjacent property and noticed the wet, oily area by the back east fence of the Sea-Alaska property. The business had dumped waste liquids at this site as well as used the cement pad for pressure washing electrical parts and components. The inspection report states that there was soil contamination observed in a limited area. Samples were collected from the impacted areas and analyzed for Pb, Cr, Cd, VOCs, PCBs, and NWTPH Dx. Exceedances were observed in Cd, Pb, and TPH Heavy oils. There were elevated levels in the other sampled contaminants but they did not exceed MTCA.

No known remediation activities have taken place on this site. This SHA will assess only the groundwater route because the site is in the combined sewer area of the city of Snohomish.

ROUTE SCORES:
Surface Water/Human Health: **Not scored** Surface Water/Environmental.: **Not scored**
Air/Human Health: **Not scored** Air/Environmental: **Not scored**
Groundwater/Human Health: 34.5

OVERALL RANK: 3

WORKSHEET 2
Route Documentation

1. **SURFACE WATER ROUTE**
   a. List those substances to be considered for scoring: **NOT SCORED** Source:

   b. Explain basis for choice of substance(s) to be used in scoring.

   c. List those management units to be considered for scoring: Source:

   d. Explain basis for choice of unit to be used in scoring:

2. **AIR ROUTE**
   a. List those substances to be considered for scoring: **NOT SCORED** Source:

   b. Explain basis for choice of substance(s) to be used in scoring:

   c. List those management units to be considered for scoring: Source:

   d. Explain basis for choice of unit to be used in scoring:

3. **GROUNDWATER ROUTE**
   a. List those substances to be considered for scoring:
   Cd, Pb, TPH-Heavy oil Source: 1
   b. Explain basis for choice of substance(s) to be used in scoring:
   Sampling data that show presence of Cd, Pb, and TPH-Heavy Oil which exceed MTCA cleanup levels
   c. List those management units to be considered for scoring: Source:
   Surface and subsurface soils
   d. Explain basis for choice of unit to be used in scoring:
   Spills and discharges to soil

WORKSHEET 4
Surface Water Route
NOT SCORED

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

	Substance	Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity WOE	Carcinogenicity PF*	Value
1										
2										
3										
4										
5										
6										

** Potency Factor*

Source:

Highest Value:
(Max = 10)

Plus 2 Bonus Points?

Final Toxicity Value:
(Max = 12)

1.2 Environmental Toxicity ( ) Freshwater ( ) Marine

	Substance	Acute Water Quality Criteria (µg/L)	Value	Non-Human Mammalian Acute Toxicity (mg/kg)	Value
1					
2					
3					
4					
5					
6					

Source:

Highest Value:
(Max = 10)

1.3 Substance Quantity

Explain Basis:	Source: **Value:** (Max = 10)

2.0 MIGRATION POTENTIAL

		Source	Value
2.1	**Containment** **Explain basis:**		(Max = 10)
2.2	**Surface Soil Permeability:**		(Max = 7)
2.3	**Total Annual Precipitation:**		(Max = 5)
2.4	**Max 2yr/24hr Precipitation:**		(Max = 5)
2.5	**Flood Plain:**		(Max = 2)
2.6	**Terrain Slope:**		(Max = 5)

3.0 TARGETS

		Source	Value
3.1	**Distance to Surface Water:**		(Max = 10)
3.2	**Population Served within 2 miles (see WARM Scoring Manual Regarding Direction):**		(Max = 75)
3.3	**Area Irrigated by surface water within 2 miles : (0.75)*√ # acres =**		(Max = 30)
3.4	**Distance to Nearest Fishery Resource**		(Max = 12)
3.5	**Distance to, and Name(s) of, Nearest Sensitive Environment(s):**		(Max = 12)

4.0 RELEASE

Explain Basis:	Source: **Value:** (Max = 5)

WORKSHEET 5
Air Route
NOT SCORED

1.0 SUBSTANCE CHARACTERISTICS

1.1. Introduction (WARM Scoring Manual) – Please review before scoring

1.2 Human Toxicity

	Substance	Air Standard ($\mu g/m^3$)	Value	Acute Toxicity (mg/m^3)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity WOE	Carcinogenicity PF*	Value
1										
2										
3										
4										
5										

* *Potency Factor*

Source:
Highest Value:
(Max = 10)
Plus 2 Bonus Points?
Final Toxicity Value:
(Max = 12)

1.3 Mobility (Use numbers to refer to above listed substances)

	1.3.1 Gaseous Mobility	1.3.2 Particulate Mobility		
	Vapor Pressure(s) (mmHg)	Soil Type	Erodibility	Climatic Factor
1				
2				
3				

Source:
Value:
(Max = 4)

Source:
Value:
(Max = 4)

1.4 Highest Human Health Toxicity/ Mobility Matrix Value (from Table A-7)
(Use highest of:)
Final Matrix Value:
(Max = 24)

1.5 Environmental Toxicity/Mobility –						
	Substance	Non-human Mammalian Inhalation Toxicity (mg/m^3)	Acute Value	Mobility (mmHg)	Value	Matrix Value
2						
6						

Highest Environmental Toxicity/Mobility Matrix Value (Table A-7) = **Final Matrix Value:**
(Max = 24)

1.6 Substance Quantity	
Explain Basis:	Source: **Value:** (Max = 10)

2.0 MIGRATION POTENTIAL

		Source	Value
2.1	**Containment:**		(Max = 10)

3.0 TARGETS

		Source	Value
3.1	**Nearest Population:**		(Max = 10)
3.2	**Distance to [and name(s) of] nearest sensitive environment(s):**		(Max = 7)
3.3	**Population within 0.5 miles:**		(Max = 75)

4.0 RELEASE

Explain Basis for scoring a release to air:	Source: **Value:** (Max = 5)

WORKSHEET 6
Groundwater Route

1.0 SUBSTANCE CHARACTERISTICS

1.1 Human Toxicity

	Substance	Drinking Water Standard (µg/L)	Value	Acute Toxicity (mg/ kg-bw)	Value	Chronic Toxicity (mg/kg/day)	Value	Carcinogenicity WOE	Carcinogenicity PF*	Value
1	Cd	5	8	225	5	0.0005	5	-	-	x
2	Pb	5	8	-	-	-	-	B1	-	x
3	TPH-Heavy oil	-	-	-	-	2	1	-	-	x
4										
5										
6										

* *Potency Factor*

Source: 1,2
Highest Value: 8
(Max = 10)
Plus 2 Bonus Points? 2
Final Toxicity Value: 10
(Max = 12)

1.2 Mobility (use numbers to refer to above listed substances)

Cations/Anions [Coefficient of Aqueous Migration (K)] OR	Solubility (mg/L)
1= 3 (from table GW-5)	1=
2= 2 (from table GW-5)	2=
3=	3 = <10=0
4=	4=
5=	5=
6=	6=

Source: 3
Value: 3
(Max = 3)

1.3 Substance Quantity:

Explain basis: quantity unknown, default to 1	Source:1,3 **Value: 1** (Max=10)

2.0 MIGRATION POTENTIAL

		Source	Value
2.1	**Containment (explain basis):** no containment, spill to soil	1,3	10 (Max = 10)
2.2	**Net precipitation:** April – Nov 17.5	12	2 (Max = 5)
2.3	**Subsurface hydraulic conductivity:** sandy,silty, gravelly loam	9,11	3 (Max = 4)
2.4	**Vertical depth to groundwater:** well logs show water level at 9-20 feet	8,11	8 (Max = 8)

2.0 TARGETS

		Source	Value
3.1	**Groundwater usage:** private (public available)	8,10,11	4 (Max = 10)
3.2	**Distance to nearest drinking water well:** 1750 ft	11	3 (Max = 5)
3.3	**Population served within 2 miles: ~100**	11,12	10 (Max = 100)
3.4	**Area irrigated by (groundwater) wells within 2 miles:** well logs show only 3 irrigation wells for parks **(0.75)*√**	5, 11	6 (Max = 50)

3.0 RELEASE

	Source	Value
Explain basis for scoring a release to groundwater: not documented	1,3	1 (Max = 5)

SOURCES USED IN SCORING

1. Washington State Department of Ecology File containing Initial Investigation Report for Sea-Alaska 2006.
2. Washington State Department of Ecology, Toxicology Database for Use in Washington Ranking Method Scoring, January 1992
3. Washington State Department of Ecology, Washington Ranking Method (WARM) Scoring Manual, April 1992
4. Washington State Department of Health, Office of Drinking Water Sentry Database of Public Wells
5. Google Earth © 'fly to' search and historical imagery search
6. Snohomish County Assessors Information http://gis.snoco.org/maps/property/index.htm
7. Snoscape; http://www1.co.snohomish.wa.us/Departments/PDS/Services/Permit_Info.htm
8. Washington State Department of Ecology, Water Rights Application System
9. Soil Conservation Service, Soil Survey of Snohomish County, July 1983
10. http://www.co.snohomish.wa.us/documents/Departments/Emergency_Management/nhmp/v2part2ch11.pdf
11. Washington State Department of Ecology, Online Water Well logs http://apps.ecy.wa.gov/welllog/MapSearch/viewer.htm?left=1203446&right=1215242&top=%20%20926107&bottom=917701&sessionid=889275590
12. http://www.cityofsnohomish.com/pages/CityDemographics.asp

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

January 31, 2007

CERTIFIED MAIL
7005 3110 0000 4535 2363

MR. STEPHEN KLETT
SEA-ALASKA INDUSTRIAL ELECTRIC
14430 44TH ST NE
LAKE STEVENS, WA 98258-8614

Dear Mr. Klett:

Re: **EARLY NOTICE LETTER** Site # 9525627
Sea-Alaska Industrial Services
415 Maple Ave
Snohomish, WA 98290
Tax Parcel #: 28061800206800

This letter is sent to you concerning information that the Department of Ecology (Ecology) has gathered regarding the above referenced property. As part of the process under the Model Toxics Control Act (MTCA), Ecology maintains a list of known or suspected contaminated sites. Based on available information in the department's files, it is Ecology's decision to add this property to the list as a site known to be contaminated by hazardous substances.

Enclosed is a data summary report containing information we believe reflects the current site status. A legend is also enclosed to help interpret codes used in this report. Please note that inclusion on the list **does not** mean that Ecology has determined you to be a potentially liable person responsible for cleanup under the MTCA. However, this letter is a notification that an area(s) of contamination exists on this property. Further investigation or cleanup action will need to be done to comply with Washington State laws and regulations.

Because of considerable potential liability, please be advised to carefully consider any investigation or cleanup actions and to carefully document steps taken independent of Ecology's involvement. Guidance documents to help conduct an independent cleanup are available if you are interested in this option. In proceeding with an independent cleanup, please be aware there are requirements in State law which must be met. Some of these requirements are addressed in WAC 173-340-120(8)(B) and -300(4). Ecology will use

the appropriate requirements contained throughout this chapter in its evaluation of the adequacy of any independent remedial (cleanup) actions performed.

Ecology has a strong commitment to work cooperatively with individuals to accomplish prompt and effective investigations and site cleanups. However, due to limited resources and requirements in State law, we are not able to provide all the assistance requested. Your cooperation in planning or conducting a cleanup action is not an admission of guilt or liability.

If an independent cleanup action is undertaken, and a formal review of the work is desired, a report may be submitted to Ecology through the Voluntary Cleanup Program. This program was established in response to the public's need for Ecology to more rapidly review cleanup actions. A fee has been established to support this review process. Guidance documents to help conduct an independent cleanup are available if you are interested in this option.

If a cleanup action is undertaken and a formal review of the work is not desired at this time, then the information should be submitted to Ecology in order to document any assessment or cleanup activities. If no report is available, but work is in progress or anticipated, a letter describing these plans would be helpful in updating the site record.

If an independent cleanup action does not occur on this property, Ecology will conduct a more detailed inspection at a future time that may include testing for contamination. After that, Ecology will assess what action is needed and establish a priority for that work under the formal MTCA cleanup process. At that time, the potentially liable person(s) would be determined and would be responsible for cleanup costs, including State oversight.

Should you have any questions regarding this letter or if you would like a copy of Chapter 70.105D RCW (The Model Toxics Control Act), the implementing regulations, Chapter 173-340 WAC, that detail these requirements, or a guidance document, please contact me at (425) 649-7136. Thank you in advance for your cooperation.

Sincerely,

Donna Musa
Initial Investigator
Toxics Cleanup Program

DKM:dkm
Enclosures: 2

DEPARTMENT OF ECOLOGY -- TOXICS CLEANUP PROGRAM
INTEGRATED SITE INFORMATION SYSTEM
SITE DATA SUMMARY AS OF 01/31/2007

FACILITY SITE ID: 9525627 **SITE NAME:** SEA-ALASKA INDUSTRIAL ELECTRIC

SITE LOCATION INFORMATION

ADDRESS: 415 MAPLE AVE

CITY: SNOHOMISH

ZIP CODE: 98290

COUNTY: SNOHOMISH

	DEGREES	MINUTES	SECONDS
LATITUDE:	47	52	58.00
LONGITUDE:	121	59	28.00

TAX PARCEL #:

TOWNSHIP RANGE SECTION

LEGISLATIVE DISTRICT #:

CONGRESSIONAL DISTRICT #:

SITE STATUS INFORMATION

ECOLOGY STATUS: 1 Awaiting SHA
INDEPENDENT STATUS:
SITE TYPE:
STATUTE: 2 MTCA only
WARM BIN #: **LUST ID:**
BROWNFIELDS: ☐ **ERTS ID:** 557432

RESPONSIBLE UNIT: NORTHWEST
SITE MANAGER: NORTHWEST REGION

ENTERED DATE: 1/31/2007
LAST UPDATE DATE: 1/31/2007

VCP INFORMATION

SITE COMMENTS

NFA:
NFA DT: **RESTRICT COVNT. REQ:** ☐

ACTIVITIES

ACTIVITY	STATUS	START DT	COMPLETION DT	LEGAL MECHANISM	ACTIVITY LEAD
Site Discovery/Report Received	Completed	8/10/2006	8/10/2006		COLBURN, GAIL
Initial Investigation	Completed	9/6/2006	12/13/2006		LOCAL GOVERNMENT-N
Early Notice Letter(s)	Completed	1/31/2007	1/31/2007		MUSA, DONNA

AFFECTED MEDIA AND CONTAMINANTS INFORMATION

	MEDIA	STATUS	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20	#21	#22	#23	#24	DW TYPE:
4	Soil	C			C		C		C		B																

#1 = Base/Neutral Organics
#2 = Halogenated Organic Compounds
#3 = Metals-Priority Pollutants
#4 = Metals-Other
#6 = Pesticides
#7 = Petroleum Products
#8 = Phenolic Compounds
#9 = Non-Halogenated
#11 = PAH
#12 = Reactive Wastes
#13 = Corrosive Wastes
#14 = Radioactive Wastes
#16 = Conventional Contaminants, Inorganic
#17 = Asbestos
#18 = Arsenic
(21-24 sediments only)
#21 = Tibutyl Tin
#22 = Bioassay/Benthic Failures
#23 = Wood Debris

NUMBERS 1 - 19 CORRESPOND TO THE CONTAMINANT NUMBERS ON THE ATTACHED REPORT

B = Confirmed below MTCA **C = Confirmed above MTCA** **S = Suspected above MTCA**

1. **Base/Neutral/Acid Organics:** Hazardous substances typically included in the Base/Neutral/Acid fraction of EPA's priority pollutant compound list. Examples are: Acenaphthene; Hexachlorobenzene; Fluoranthene; 2,4-dinitro-toluene; Isophorone.
2. **Halogenated Organic Compounds:** Organic compounds, typically solvents, with one or more of the halogens (e.g., Chlorine, Bromine, Fluorine) incorporated into their structure. Examples are: Carbon Tetrachloride; Chloroform; Vinyl Acetate; 1,1,2,2-tetrachloroethane; freons.
3. **EPA Priority Pollutants – Metals and Cyanide:** Metals included in EPA's priority pollutant compounds list. Examples are: Antimony, Arsenic, Beryllium, Cadmium, Chromium, Copper, Cyanide, Lead, Mercury, Nickel, Selenium, Silver, Thallium, and Zinc.
4. **Metals – Other:** Other non-priority pollutant metals. Examples are: Aluminum, Barium, Cobalt, Iron, Manganese, and Tin.
5. **Polychlorinated biPhenyls (PCBs):** A specific "family" of aromatic chlorinated organic compounds often referred to as "AROCLOR." Common types are: AROCLOR-1016, AROCLOR-1221, AROCLOR-1260.
6. **Pesticides:** Chemical agents used to control pests such as: fungicides, herbicides and insecticides. Examples are: Aldrin, Chlordane, Endrin, Diazinon, Folex, Malathion.
7. **Petroleum Products:** Crude oil and any fraction thereof. Each of these materials may consist of many specific chemical compounds. Examples are: Gasoline, diesel fuel, mineral oil.
8. **Phenolic Compounds:** Hazardous substances typically included in the acid extractable fraction of EPA's priority pollutant compound list. Examples are: 2,4,6-trichloro-phenol; Phenol; Cresols; Pentachlorophenol; Benzoic Acid.
9. **Non-Halogenated Solvents:** Organic solvents, typically volatile or semi-volatile, not containing any halogens. Examples are: Acrolein; Benzene; Toluene, Acetone; 4-Methyl-2-pentanone.
10. **Dioxin:** A family of more than 70 compounds of chlorinated dioxins. Examples: 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD); P-dioxin; Hexachlorodibenzo-p-dioxin; Pholychlorinated dibenzo-para-dioxin (PCDD).
11. **Polynuclear Aromatic Hydrocarbons (PAH):** Hydrocarbons composed of two or more benzene rings. Examples are: Benzo-Fluorathene; Chrysene; Anthracene; Acenapthene.
12. **Reactive Wastes:** Wastes that react violently upon contact with other substances (especially air or water) as defined by the Dangerous Waste Regulation (WAC 173-303-090(7)). They explode easily or are otherwise unstable. Examples: Peroxides; Metallic Sodium.
13. **Corrosive Wastes:** Wastes that are highly corrosive as defined by the Dangerous Waste Regulation (WAC 173-303-090(6)). Substances with very high (base) or very low (acid) pH. Examples: Nitric Acid, Sodium Hydroxide.
14. **Radioactive Wastes:** Wastes that emit more than background levels of radiation. Examples are: High and low level nuclear wastes; mixed nuclear wastes; Uranium mine tailings.
15. **Conventional Contaminants, Organic:** Unspecified organic matter that imposes an oxygen demand during its decomposition. This is reflected by elevated Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and/or Total Organic Carbon (TOC). Typically a component of municipal solid waste leachates, septage, food wastes, wood waste leachate and similar organic wastes.
16. **Conventional Contaminants, Inorganic:** Non-metallic inorganic substances or indicator parameters that may indicate the existence of contamination if present at unusual levels. Examples are: Chloride, Sulfur compounds, Nitrogen compounds, pH, conductivity, hardness, and alkalinity.
17. **Asbestos:** Name given to group of six different fibrous minerals. Used for a wide range of manufactured goods: mostly in building materials (roofing shingles, ceiling and floor tiles, paper products, etc), friction products (automobile clutch, brake, and transmission parts), heat-resistant fabrics, packaging, some vermiculite or talc products, etc.
18. **Arsenic:** Naturally occurring element; inorganic forms are known to be carcinogenic. Inorganic arsenic compounds are mainly used to preserve wood. Organic arsenic compounds are used as pesticides, primarily on cotton plants.
19. **Methyl Tert-Butyl Ether (MTBE):** Flammable liquid used since the 1980s as an additive in unleaded gasoline to achieve more efficient burning.

FACILITY SITE INFORMATION (T( )

Shaded fields are required

Site Name: Sea-Alaska Industrial Electric	FS ID: 9525627
Location Description:	

Geographic Position: 99

01 = Centroid of STR Unit
02 = Centroid of STR Qtr. Section
03 = Centroid of STR QTR QTR Section
04 = Centroid of STR QTR QTR QTR Section
05 = Facility/Site Centroid
06 = NE Corner of Land Parcel
07 = NW Corner of Land Parcel
08 = Plant Entrance
09 = SE Corner of Land Parcel
11 = SW Corner of Land Parcel
99 = Unknown

Site Address: 415 Maple Ave		
City: Snohomish		Zip: 98290
County: Snohomish	WRIA ID:	Indian Land: ☐

Collection Source: 99

01 = Not Applicable
02 = "1:500,000
03 = "1:250,000
04 = "1:125,000
05 = "1:100,000
06 = "1:63,360
07 = "1:62,500
08 = "1:50,000
09 = "1:25,000
10 = "1:24,000
11 = "1:20,000
12 = "1:15,840
13 = "1:10,000
14 = "1:12,000
15 = "1:25,001-1:50,000
16 = "1:50,001-1:100,000
17 = "1:20,001-1:125,000
18 = "1:15,001-1:20,000
19 = "1:10,000-1:15,000
20 = "1:5,001-1:10,000
21 = "1:501-1:5,000
22 = <=1:500
23 = <1:500
99 = Unknown

Collection Method: 99

01 = Address Matching—Block Face
02 = Address Matching—House Number
03 = Address Matching—Street Centerline
04 = Address Matching—Unknown
05 = Aerial Photography—Rectified
06 = Aerial Photography—Unknown
07 = Aerial Photography—Unrectified
08 = Cadastral Survey
09 = Census Block 1990 Centroid
10 = Census Block Group 1990 Centroid
11 = Conversion from STR
12 = Digital or manual raw photo extraction
13 = Digitized of CTR screen/digital data
14 = Digitized—paper map
15 = GPS (Carrier/Geodetic)
16 = GPS (Code/Geodetic)
17 = GPS (Kinematic)
18 = GPS (Unknown)
19 = Hand Measured—paper map
20 = LORAN-C
21 = Orthophotography—digital
22 = Orthophotography—paper
23 = Satellite Imagery—Landsat MSS
24 = Satellite Imagery—Landsat TM
25 = Satellite Imagery—Other
26 = Satellite Imagery—SPOT Panchromatic
27 = Satellite Imagery—SPOT Multi Spectral
28 = Zip Code Centroid
99 = Unknown

Horizontal Datum: 02
2 is usual default

01 = North American Datum 1927-NAD27
02 = North American Datum 1983 ('91 adj.) = NAD83
03 = HARN\
04 = WGS84 (GPS NAVD88)
99 = Unknown

Areal Extent Code: 99

01 = Large Facility/Complex or area > 10 Acre
02 = Small Facility/Complex or area > 1 Acre < 10 Acre
03 = Large Building or area > 5,000 sq. ft.
04 = Small Building or area < 5,000 sq. ft.
05 = Crossing or Intersection of two features; e.g., bridge stream
06 = Small object or area < 10 sq. ft.; e.g., well
99 = Unknown

Accuracy Level: 99

01 = > 1/100 meter
02 = < 1/10 meter and > 1/100 meter
03 = < 1 meter and > 1/10 meter
04 = +/- 10 feet (3 meter)
05 = +/- 20 feet (6 meter)
06 = +/- 40 feet (12 meter)
07 = +/- 100 feet (35 meter)
08 = +/- 180 feet (55 meter)
09 = +/- 250 feet
10 = +/- 500 feet
11 = +/- 1000 feet
12 = +/- 2000 feet
13 = > 2000 feet
99 = Unknown

JC 12/30/06

	Degrees	Minutes	Seconds		Number	Direction	Quarter	Circle one
Latitude:	47	52	582	**Section:**	18		Sec 1	NW NE SW SE
Longitude:	121	59	282	**Township:**	28	N	Sec 2	NW NE SW SE
If you don't have LAT/LONG, please provide map of site!				**Range:**	06	W	Sec 3	NW NE SW SE

Ecology Interaction (check all that apply):		**System** (check all that apply):
☐ FCS	Federal (Superfund Cleanup Site)	☒ ISIS
☐ LUST	LUST Facility	☐ UST/LUST
☐ UST	Underground Storage Tank	
☒ SCS	State Cleanup Site	
☐ VOLCLNST	Voluntary Cleanup	EPA ID:

Active Status: ☒ Date: 12/30/06 Inactive Status: ☐ Date:

Sic/NAIC Code:	Description:
1. 649	Other Repair Services
2.	

If this site is a sub-site or operable unit of a larger site, include the name and FS ID# of the parent site:

FS ID#: _____ Site Name: _____

Company Name: Sea-Alaska Industrial Electric		Title: ☐MR ☐MS ☐DR
Last Name Klett	**First Name:** Stephen	Middle Initial:
Address: 14430 44th St NE		PO Box:
City: Lake Stevens	**State:** WA	**Zip:** 98258-8614 Country: USA
Tax ID#: 28061800206800	UBI#: 600 401 138	**Phone#:** 360-568-7624 Ext:
Fax#:	Alt Phone#:	E-Mail Address:

Affiliation Type: LAO

AC = Application Contact
AP = Affected Party
APPL = Applicant
ATT = Attorney
BC = Billing Contact
BO = Business Owner
CA = Co Applicant
CNTR = Contractor
CRP = Cost Recovery Party
DBA = Doing Business As
FOPER = Former Operator
FOWNR = Former Owner
IC = Inspection Contact
LAO = Land Owner
LEO = Legal Owner
MH = Mortgage Holder
OP = Operator
PE = Project Engineer
PI = Public Involvement Person
PLP = Potentially Liable Person
PM = Project Manager
PRMT = Permittee
PRP = Potentially Responsible Party
SA = Site Attorney
SC = Site Contact
SO = Site Owner
TSC = Toxics Site Contact
UNK = Unknown

Relationship Start Date: 12/18/06 Relationship End Date:

Alternate Site Names

1.
2.
3.

ISIS INFORMATION

Shaded fields are required

Site Name: Sea-Alaska Industrial Services		FS ID: 95 25627	
Warm Bin #:	Tax Parcel #: 28061800206800	UBAT: ☐	TCP ID:

Ecology Status: 1

1 = Awaiting SHA
2 = Ranked, Awaiting RA
3 = RA in progress
4 = Independent RA
5 = Construction Completed, O & M Underway
6 = RA Completed, Confirmational Monitoring Underway
7 = RA Conducted, residual contamination left on site; on-going institutional controls required
8 = RA and other activities completed

(Independent Status field required if Ecology Status is code 4)

Statute: 2

1 = CERCLA
2 = MTCA Only
3 = RCW 70.105B
4 = RCW 90.48
5 = RCRA-C
6 = RCRA-D
7 = MTCA (SED)

Independent Status: _____

1 = Release report received, awaiting assessment by PLP
2 = Independent Site Assessment or Interim RA Report received
3 = Independent Final RA Report received

(This field is only used and required if Ecology Status is 4)

Program Plan: _____

1 = Prepayment
2 = Program Plan
3 = IRAP
4 = VCP

Owner Type: 1

1 = Private
2 = Municipal
3 = County
4 = Federal
5 = State
6 = Tribal
7 = Mixed
8 = Other
9 = Unknown
10 = Publicly-Owned (Bankrupt)
11 = Financial Institution Owned (Bankrupt)

ERTS ID: 557432 UST/LUST SITE ID: _____ AFRS Code: _____

Site Manager: NWRO **Responsible Unit:** NWRO

NFA Code: _____

1 = NFA after assessment, IRAP, or VCP
2 = Removed from Hazardous Sites List (HSL)
3 = Referred (transferred to another Ecology Prog.
4 = Referred to another agency
5 = Referred to local governmental entity
6 = Cleaned up under prior authority
7 = Cleanup completed, not on HSL
8 = Restrictive Covenant, Institutional Controls
9 = Removed from HSL, Restrictive Cov. Inst. Contr.

NFA Date: _____

Site Comments:

Activity Code	Activity Status	Start Date	End Date	Activity Lead	Action By	Neg. Start Date	Legal Mech.
SD	C	8/10/06	8/10/06	GC	1		
II	C	9/6/06	12/13/06	SHD	4		
ENL	C	12/19/06		DKM	1		

Activity Codes

SD = Site Discovery/Report Received
II = Initial Investigation
ENL = Early Notice Letter
SHA = Site Hazard Assessment
HSL = Hazardous Sites Listing
EA = Emergency Action
IA = Interim Action
RC = Routine Cleanup Action
CAP = Cleanup Action Plan
CED = Cleanup Engineering Design
CC = Cleanup Construction
COM = Cleanup Operation & Maintenance
PR = Periodic Review (5 year)
RHSL = Removal from Hazardous Site List
RI/FS = Remedial Investigation/Feasibility Study

Activity Status Codes

C = Completed
I = In Process
P = Planned
X = Canceled

Action By Codes

1 = Ecology
2 = Ecology w/Contractor
3 = EPA
4 = Local Government
5 = Other
6 = PLP
7 = PLP w/Contractor

Legal Mechanism

1 = Enforcement Order
2 = Agreed Order
3 = Consent Decree
4 = Governmental Action
5 = Other
6 = Not Applicable
7 = Independent

Activity Comments:

Media	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1 Groundwater																				
2 Surface Water																				D W
3 Air																				
4 Soil			C		C		C		B											T Y
5 Sediment																				P E
6 Drinking Water																				

Status Codes: B = Below Cleanup Levels; C = Confirmed (above cleanup levels); R = Remediated; S = Suspected

Drinking Water Types: 1 = Single Family; 2 = Community

Contaminant Codes:

1 = Base/Neutral Organics
2 = Halogenated Organic Compounds
3 = Metals – Priority Pollutants
4 = Metals – Other
5 = PCB
6 = Pesticides
7 = Petroleum Products
8 = Phenolic Compounds
9 = Non-Halogenated Solvents
10 = Dioxins
11 = PAH
12 = Reactive Wastes
13 = Corrosive Wastes
14 = Radioactive Wastes
15 = Conventional Contaminants, Organic
16 = Conventional Contaminants, Inorganic
17 = Asbestos
18 = Arsenic
19 = MTBE
(for examples of specifics within contaminant groups please check an ISIS manual)

Check all that apply

- ☐ 1. Drug Lab
- ☒ 2. Drum
- ☐ 3. Impoundment
- ☒ 4. Improper Handling
- ☐ 5. Landfill
- ☐ 6. Land Application
- ☐ 7. Pesticide Application
- ☐ 8. Pesticide Disposal
- ☒ 9. Spill
- ☐ 10. Storm Drain
- ☐ 11. Tank
- ☐ 12. Unknown

ERTS # 557432

Initial Report

External Reference #

Caller Information

	First	Last
Name	GAIL	COLBURN
Busines Name	TCP NWRO	
Street Address	3190 160TH AVE SE	
Other Address		
City	BELLEVUE	State WA Zip 98008-
E-mail		Confidential_FL ☐
Phone	Ext	Type

Where did it happen

Berth		Anchorage	
Location Name	SEA-ALASKA INDUSTRIAL ELECTRIC		
Street Address	415 MAPLE AVE		
Other Address			
City/Place	SNOHOMISH	State WA	Zip 98290-2527
County - Region	**SNOHOMISH**	NWRO	FS ID
WIRA #			
Waterway		Type	
Latitude		Longitude	
Topo Quad 1:24:000	SNOHOMISH		

Direction/Landmark (mile post, cross roads, township/range)

What happened

Spills Program Oil Spill? N

Incident Date		Received Date	8/10/2006 0:00
Medium	SOIL		
Material	UNKNOWN		
	Quantity	Unit	
Source	COMMERCIAL		
Cause	DUMPING		
Activity	DISPOSING		
Impact	SOIL CONTAMINATION		
Vessel Name			
Hull Number			

Primary Potentially Responsible Party Information

	First	Last	
Name			
Business Name	**SEA-ALASKA INDUSTRIAL ELECTRIC, INC.**		
Street Address	415 MAPLE AVE		
Other Address			
City	SNOHOMISH	State WA	Zip 98290-
Phone	(360) 568-7624	Ext	Type Business
E-mail	sklett@msn.com		

Additional Contact Information

Name	Phone	Ext	Type

More Information

ELECTRIC MOTOR SERVICE CENTER DUMPING WASTE LIQUIDS TO THE GROUND OUTSIDE OF THE BACK CONCRETE PAD, ONTO SOIL, BY THE BACK EAST FENCE LINE. PHOTO TAKEN BY D. BRENTLINGER WHILE DOING INITIAL INVESTIGATION AT ADJACENT SITE, CITY OF SNOHOMISH / FORMER BNRR RAILYARD. LIQUID HAD AN OILY SHEEN. IT HAD NOT RAINED FOR 3 WEEKS AND EVERYTHING ELSE WAS DRY. ENCOUNTERED A NEIGHBOR WHO ALLEGED THAT THE FACILITY HAD BURNED BATTERIES OUT BACK IN THE PAST.

Entry Person MUSA ERTS, DONNA Entry Date 9/1/2006

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 557432

Referral

Referral # 93218

Referral Method
- ○ E-mail ERTS number
- ○ E-mail attachment
- ◉ Print
- ○ Telephone

Person Referred to: MUSA TCP, DONNA — Primary ☑
Phone: (425) 649-7136 Fax: (425) 649-7098
E-mail: dmus461@ecy.wa.gov
Program/Organization: TOXICS CLEANUP
Address: 3190 160TH AVE SE
City: BELLEVUE WA 98008-
Region/Location: NWRO
Referral Date: 9/1/2006

Referral # 93219

Referral Method
- ○ E-mail ERTS number
- ◉ E-mail attachment
- ○ Print
- ○ Telephone

Person Referred to: SNOH HEALTH DIST - ALL ERTS EXCEPT DRUG LAB I — Primary ☐
Phone: (425) 339-5250 Fax: (425) 339-5254
E-mail: ghanada@shd.snohomish.wa.gov
Program/Organization: SNOHOMISH COUNTY
Address: 3020 Rucker Avenue
City: Everett WA 98201
Region/Location: ENVIRONMENTAL HEALTH
Referral Date: 9/1/2006

ERTS # 557432

Followup

Inspector Information

Referral # 93218
☐ Lead Inspector MUSA TCP, DONNA
Program/Organization TOXICS CLEANUP
* Region/Location NWRO
# of Ecology Staff 1 Overtime ☐

Action	Start Date	End Date
REFERRAL	9/1/2006	12/14/2006
TCP - SIS	12/19/2006	12/19/2006

Where did it happen

Followup #1

Berth Anchorage
Location Name SEA-ALASKA INDUSTRIAL ELECTRIC
Street Address 415 MAPLE AVE
Other Address
City/Place SNOHOMISH State WA Zip 98290-2527
County SNOHOMIS Region NWRO FS ID
Waterway Type
WRIA #

What happened

Spills Program Oil Spill? N
Incident Date
Medium
SOIL
Material
UNKNOWN
Quantity Unit Est
Source Regulated? ☐
COMMERCIAL
Cause
DUMPING
Activity
DISPOSING
Impact
SOIL CONTAMINATION
Vessel

Latitude Longitude
Topo Quad 1:24,000 SNOHOMISH
Direction/Landmark (mile post, cross roads, township/range)

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐
Primary ☑ First Last Name
Business Name SEA-ALASKA INDUSTRIAL ELECTRIC, INC.
Street Address 415 MAPLE AVE
Other Address
City SNOHOMISH State WA Zip 98290-
Phone (360) 568-7624 Ext Type Business
E-mail sklett@msn.com

Narrative

REFERRING TO SNOHOMISH HEALTH FOR INITIAL INVESTIGATION.

RECEIVED INITIAL INVESTIGATION FIELD REPORT FROM GEOFFREY CROFOOT ON 12/14/06.

REVIEWED GEOFFREY'S REPORT. I CONCUR WITH HIS RECOMMENDATION FOR SHA. WILL LIST SITE ON CSCS CONFIRMED FOR PRIORITY POLLUTANT METALS, PCBs AND PETROLEUM IN SOIL.

Vessel Emergency ☐

Entry Person: MUSA ERTS, DONNA Entry Date 9/1/2006

Inspector Information

Referral # 93219
☐ Lead Inspector CROFOOT, GEOFF
Program/Organization SNOHOMISH HEALTH DISTRICT
* Region/Location SNOHOMISH HEALTH DISTRICT
# of Ecology Staff Overtime ☐

Action	Start Date	End Date
FIELD RESPONSE - INVESTIGATION	9/6/2006	9/6/2006

Where did it happen

Followup #2

Berth Anchorage
Location Name SEA-ALASKA INDUSTRIAL ELECTRIC
Street Address 415 MAPLE AVE
Other Address
City/Place SNOHOMISH State WA Zip 98290-2527
County SNOHOMIS Region NWRO FS ID
Waterway Type
WRIA #

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 557432

What happened

Spills Program Oil Spill? N

Latitude Longitude

Incident Date

Topo Quad 1:24,000 SNOHOMISH

Medium
SOIL

Direction/Landmark (mile post, cross roads, township/range)

Material
UNKNOWN

Quantity Unit Est

Source Regulated? ☐
COMMERCIAL

Cause
DUMPING

Activity
DISPOSING

Impact
SOIL CONTAMINATION

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Last
Name

Business Name SEA-ALASKA INDUSTRIAL ELECTRIC, INC.

Street Address 415 MAPLE AVE

Other Address

City SNOHOMISH State WA Zip 98290-

Phone (360) 568-7624 Ext Type Business

E-mail sklett@msn.com

Narrative

Observed contaminated soils on the east and west sides of a concrete pad used for pressure washing electrical parts and components. Observed oil like contamination. Observed impacted plants. Collected samples from the impacted areas. Analyzed for Pb, Cr, Cd, VOCs PCBs and NWTPH Dx. Observed MTCA exceedances on most parameters with very significant Cr exceedances. See attached [included in file] sampling data.

It is unclear what the extent of contamination at this is. Observable soil contamination appears to be limited. The SHD has advised the property owners to enter the VCP and retain professional environmental assistance in this matter. The SHD recommends listing list site on the confirmed suspected contaminated sites list for a future potential SHA due to the observed MTCA exceedances.

Vessel Emergency ☐

Entry Person: MUSA ERTS, DONNA Entry Date 12/18/2006

COPY

WASHINGTON STATE DEPARTMENT OF ECOLOGY

RECEIVED
DEC 27 2006
DEPT OF ECOLOGY

INITIAL INVESTIGATION FIELD REPORT

ERTS Number
557432

SITE NAME
Sea-Alaska Industrial Electrical

SITE LOCATION INFORMATION

Contact Person Name Mike Palmer and Steve Klett		Title Owners	Phone No. 360 568 7624
Mailing Address 415 Maple Ave		City Snohomish	Zip + 4 98290
Site Location 415 Maple Ave		Closest City Snohomish	County Snohomish
Quarter-Quarter	Section 18	Township 28	Range 06
Longitude:	Degree 47	Minute 52	Second 582
Latitude:	Degree 121	Minute 59	Second 282

INSPECTION INFORMATION

Inspection Date 9/06/2006	Inspection Time na	Type of Entry Notice none
Photographs	Yes ☐ No ☒	Weather: Clear ☒ Partly Cloudy ☐ Overcast ☐
Videotape	Yes ☐ No ☒	Precipitation na Temperature 65
Samples	Yes ☒ No ☐	Wind Direction na Wind Speed na

RECOMMENDATION

No Further Action:			
Release or threatened release does not pose a threat	☐	Site Hazard Assessment	☒
No release or threatened release	☐	Interim Action	☐
Educational Mailing	☐	Emergency Action Plan	☐
Refer to another program/agency	☐	Independent Cleanup Action	☐
		In Progress	☐
		Completed	☐

Name: Geoffrey Crofoot

Comments:
Observed contaminated soils on the east and west sides of a concrete pad used for pressure washing electrical parts and components. Observed oil like contamination. Observed impacted plants.

DEPARTMENT REVIEW

Investigator: _____ Date: _____

Approved by:

Unit Supervisor: _____ Date: _____

Section Manager: _____ Date: _____

OBSERVATIONS

Description of observations: Observed contaminated soils on the east and west sides of a concrete pad used for pressure washing electrical parts and components. Observed oil like contamination. Observed impacted plants. Collected samples from the impacted areas. Analyzed for Pb, Cr, Cd, VOCs PCBs and NWTPH Dx. Observed MTCA exceedances on most parameters with very significant Cr exceedances. See attached sampling data.

Description of past practices likely to be responsible for contamination: The observed contaminated area has been used to wash off parts. While the site has prior history of automotive used it is likely that parts washing in the area has at the very least, contributed to the observed contamination.

Activities or practices responsible for contamination:

Spill	☐	LUST	☐
Pesticide disposal	☐	Tank	☐
Landfill	☐	Improper handling	☐
Drums	☐	Improper disposal	☒

Other – Describe:

Are discharges permitted: No ☒ Yes ☐

If yes, describe:

Standard Industrial Code(s)

CONTAMINANT(S)

AFFECTED MEDIA	**CONTAMINANTS** (#1-19: See contaminants key) Enter letter designating status of contaminant: AFF **C** = Confirmed, **S** = Suspected, **P** = Potential, **U** = Unknown																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Ground Water																			
Surface Water																			
Drinking Water																			
Soil			C		C		C												
Sediment																			
Air																			

1	Base/neutral organics	8	Phenolic compounds	15	Conventional contaminants, organic
2	Halogenated organic compounds	9	Non-halogenated solvents	16	Conventional contaminants, inorganic
3	Metals – Priority pollutants	10	Dioxin	17	Asbestos
4	Metals – Other	11	Polynuclear aromatic hydrocarbons	18	Arsenic
5	Polychlorinated biPhenyls (PCBs)	12	Reactive wastes	19	MTBE
6	Pesticides	13	Corrosive wastes		
7	Petroleum products	14	Radioactive wastes		

SITE INFORMATION

Soil Type	Slope
Tokul gravelly loam	0-2%

Site vegetation/cover present:

Forest	☐	Pasture/open field	☐
Bare soil	☒	Wetlands	☐
Brush	☐	Pavement	☒
Landscaped	☐	Surface Water	☐

Other – Describe

Are there any drinking water systems affected? YES: ☐ Municipal ☐ Private ☐ Both ☒ NO

How many people are estimated to be affected? na

Is there a potential for a release or threatened release to affect a drinking water source? ☐ Yes ☒ No

Are there monitoring wells in the vicinity? ☐ Yes ☒ No

Are there dry wells in the vicinity? ☐ Yes ☒ No

CONTAMINANT PATHWAYS AND TARGETS

	Ingestion	Inhalation	Contact
Ground Water			
Surface Water			
Drinking Water			
Soil	x		x
Sediment			
Air			

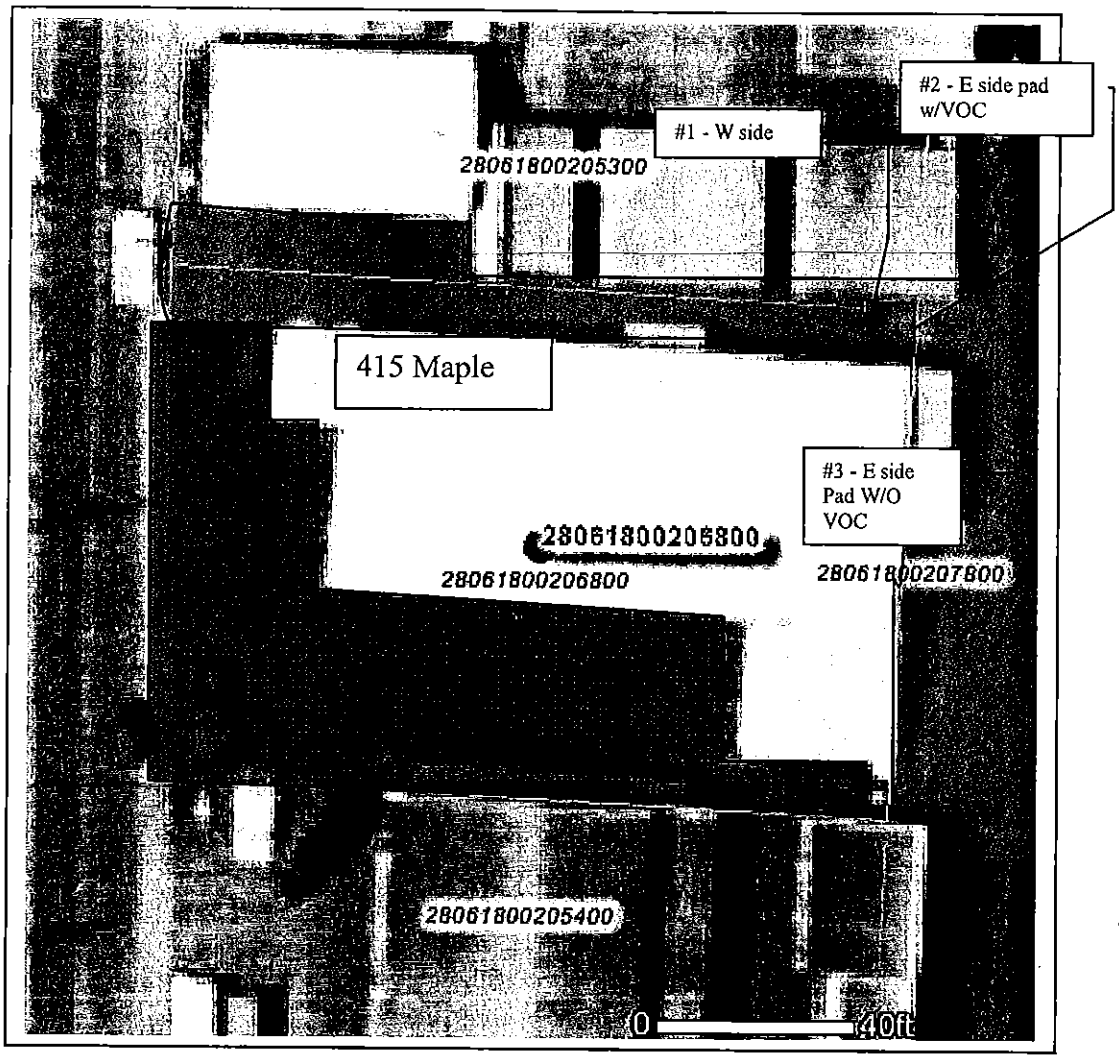
Targets Possible:		Residential	☐
Human, adult	☒	Industrial	☒
Human, children	☐	Commercial	☐

Sensitive environments (See WARM Scoring Manual for definition): ☒ Yes ☐ No

If yes, describe: Pilchuck River at 1140 feet to the east. Snohomish River at 2375 feet to the southwest.

General Comments: It is unclear what the extent of contamination at this is. Observable soil contamination appears to be limited. The SHD has advised the property owners to enter the VCP and retain professional environmental assistance in this matter. The SHD recommends listing list site on the confirmed suspected contaminated sites list for a future potential SHA due to the observed MTCA exceedances.

ERTS - 557432



Legend

- Building
- Pad
- Paved Area
- Un-paved Area
- Sampling Area

Sampling conducted on September 26, 2006, as a part of an II. The sample area is on the NE side of the building. This is an partially covered area with exposed soil. Waste water runs off of the small pad on which pressure washing of electrical equipment takes place. Samples were collected on the West and East side of the pad. Analysis include, Pb, Cr, Cd, NWTPH Dx, and PCB 8082 and VOCs 8260.

SNOHOMISH HEALTH DISTRICT
3020 Rucker, Suite 104
Everett, WA 98201
425.339.5250
FIELD INVESTIGATION REPORT

Date Rec'd	9/5/2006	CB1	
Rec'd By	DOE/sei	CB2	
Complaint #	060820	CB3	
Area	GWC		

5-day check

Address_of_Complaint	City of Complaint	ZIP
415 Maple Ave	Snohomish	98290

Person_Causing_Complaint	Cause_Phone
Sea-Alaska Industrial Electrical	360-568-7624

Nature_of_Complaint

Solid_Waste ☐ ChemPhys_Haz 1 Prom_Dump ☐ PD/TypWst ☐

Vector ☐ HHW ☐ IIs ☐ SQG ☐ Drug Lab ☐ PD/Qty ☐ G BG DD E-W IW T TW R LC YW

Misc ☐

Cleaned up by: Dumper ☐ Owner ☐ Agency ☐

ERTS # 557432 See attached re electric motor service center dumping water liquids on the ground outside of the back concrete pad. Burning batteries?

owners + Mike Palmer N 47°52.582'
Steve Klett W 122.59.282'
99HH

Complainant	Complainant_Phone	Refer to #
Gail Colburn		

Complainant_Address

TCP NW RO DOE, 3190 160th Ave SE, Bellevue

Property Owner not on metro scan Phone

Mailing Address Tax Acct. #

City, State Zip

Retained yes

Thomas Guide Latitude Longitude Sign-off Retained Location SHK/II

Status

- 9/6/06. site visit noted soil contamination in an area used for steam/pressure washing electrical parts + engines. Area located on the NE side of building outside. Noted stained soil. Black w/ sheen. Noted paint chips in the area. Noted no odor. Noted impacted plant growth off of the pad. Noted drainage appears to flow S.
- spoke w/ owner. Steve Klett who explained the washing process. Told Klett that the SHD would be back to collect soil samples. he noted that would be OK. Told Klett to not proceed w/ clean up until after sampling. [illegible]

Abated/Completed [signature] 12/13/06

Name Date

3 photos taken @ the time of the site visit ... [illegible] Confirmed.

Department of Ecology - Environmental Report Tracking System

Initial Report

ERTS # 557432

External Reference #

Caller Information

	First	Middle	Last
* Name	GAIL		COLBURN
Business Name	TCP NWRO		
Address	3190 160TH AVE SE		
Other Address			
City, State, Zip	BELLEVUE	WA	98008-
E-mail			

Confidential ☐

External Ref. #

Phone Ext Type

Where did it happen

Report #: 77525

Business or Location: SEA-ALASKA INDUSTRIAL ELECTRIC

Address 415 MAPLE AVE

Other Address

City, State, Zip SNOHOMISH WA 98290-2527

County, Region SNOHOMISH NWRO FS ID

WRIA #

Waterway Type

Latitude Longitude

Topo Quad 1:24,000 SNOHOMISH

Directions/Landmarks

(mile post, cross roads, township/range)

What Happened

Incident Date

* Received Date 8/10/2006 Time

Medium SOIL

Material UNKNOWN

Quantity Unit

Source COMMERCIAL

Cause DUMPING

Activity DISPOSING

Impact SOIL CONTAMINATION

Vessel Name Type

Primary Potentially Responsible Party

	First	Middle	Last
Name			
Business Name	SEA-ALASKA INDUSTRIAL ELECTRIC, INC.		
Address	415 MAPLE AVE		
Other Address			
City	SNOHOMISH		Zip 98290-
Phone	(360) 568-7624		
Ext		Type	
E-mail	sklett@msn.com		

Additional Contact Information

Name Phone Ext Type

More Info

ELECTRIC MOTOR SERVICE CENTER DUMPINT WASTE LIQUIDS TO THE GROUND OUTSIDE OF THE BACK CONCRETE PAD, ONTO SOIL, BY THE BACK EAST FENCE LINE. PHOTO TAKEN BY D. BRENTLINGER WHILE DOING INITIAL INVESTIGATION AT ADJACENT SITE, CIT OF SNOHOMISH / FORMER BNRR RAILYARD. LIQUID HAD AN OILY SHEEN. IT HAD NOT RAINED FOR 3 WEEKS AND EVERYTHING ELSE WAS DRY. ENCOUNTERED A NEIGHBOR WHO ALLEGED THAT THE FACILITY HAD BURNED BATTERIES OUT BACK IN THE PAST.

Entry Person: MUSA ERTS, DONNA Entry Date: 9/1/2006

Initial Report

ERTS # 557432

External Reference #

Referred to:

Referral # 93218

Referral Method
- ( ) E-mail ERTS number
- ( ) E-mail attachment
- (•) Print
- ( ) Telephone

Person Referred to: MUSA TCP, DONNA — Primary [x]
Phone: (425) 649-7136 Fax: (425) 649-7098
E-mail: dmus461@ecy.wa.gov
Program/Organization: TOXICS CLEANUP
Address: 3190 160TH AVE SE
City: BELLEVUE WA 98008-
Region/Location: NWRO
Referral Date: 9/1/2006

Referral # 93219

Referral Method
- ( ) E-mail ERTS number
- (•) E-mail attachment
- ( ) Print
- ( ) Telephone

Person Referred to: SNOH HEALTH DIST - ALL ERTS EXCEPT DRUG LAB IS — Primary [ ]
Phone: (425) 339-5250 Fax: (425) 339-5254
E-mail: ghanada@shd.snohomish.wa.gov
Program/Organization: SNOHOMISH COUNTY
Address: 3020 Rucker Avenue
City: Everett WA 98201
Region/Location: ENVIRONMENTAL HEALTH
Referral Date: 9/1/2006

SNOHOMISH HEALTH DISTRICT
3020 Rucker, Suite 104
Everett, WA 98201
425.339.5250
FIELD INVESTIGATION REPORT

Date Rec'd	10/14/1999	CB1	
Rec'd By	DLC/sei	CB2	
Complaint #	991111	CB3	
Area	MLA		

5-day check ☐

Address_of_Complaint	City of Complaint	ZIP
415 Maple Ave, Snohomish		98290

Person_Causing_Complaint	Cause_Phone
Sea-Alaska Industrial Electrical	360-568-7624

Nature_of_Complaint

Solid_Waste ☐ Vector ☐ Misc ☐

ChemPhys_Haz [1] HHW ☐ IIs ☐ SQG ☐ Drug Lab ☐

Prom_Dump ☐ PD/Qty

PD/TypWst G T BG TW DD R E-W LC IW YW

Cleaned up by: Dumper ☐ Owner ☐ Agency ☐

Car repair/junk yard burns car parts, oil, etc (terrible odor). Please check on their handling practices. Also referred to Puget Sound Clean Air Agency.

Complainant	Complainant_Phone	Refer to #
Rebecca	360-563-0248	

COPY

Complainant_Address

Property Owner: not on metro scan Phone:

Mailing Address: Tax Acct. #:

City, State Zip:

Retained ☐

Thomas Guide ☐ Latitude: Longitude: Sign-off Retained Location ☐

Status

10/15/99 415 Maple Ave not on metro scan, however 3 entries for 417 Maple Ave for SMOOTS, INC; 1828 062 053 00. sei
11/15/99 Talked w/ Steve Klett @ site. SO DO NOT SAVE MLA:sei

COPY

Abated/Completed 11/15/1999

Name Date

EDGE ANALYTICAL
"The lab you can trust!"

Burlington WA | 1620 S Walnut St - 98233
Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 - 98225
Microbiology | 360.671.0688 • 360.671.1577fax

November 22, 2006

Geoffrey Crofoot
Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

RE: 06-12634 - SHD-SW&T - ERTS 557432

Dear Geoffrey Crofoot,

Your project: SHD-SW&T - ERTS 557432, was received on Wednesday September 27, 2006.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone me at 800 755-9295.

Respectfully Submitted,

for LJH

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

EDGE ANALYTICAL
"The lab you can trust"

11525 Knudson Rd.
Burlington, WA 98233
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Data Report

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Report Date: 10/11/2006
Reference Number: 06-12634
Project: SHD-SW&T - ERTS 557432

Collected By: SHD/GC

Date Received: 9/27/2006
Supervisor:

Lab Number: 26655 Sample Description: 1040028388-2 - E Side Pad Sample Date: 9/26/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
7440-43-9	CADMIUM	48.7	1.37		mg/Kg	1.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7440-47-3	CHROMIUM	310	13.7		mg/Kg	10.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7439-92-1	LEAD	363	13.7		mg/Kg	10.0	6010B/3051	10/3/2006	BJ	6010B-061003A	

Lab Number: 26656 Sample Description: 1040028388-3 - W Side Pad Sample Date: 9/26/2006

CAS ID#	Analyte	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comments
7440-43-9	CADMIUM	35.5	1.28		mg/Kg	1.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7440-47-3	CHROMIUM	174	1.28		mg/Kg	1.0	6010B/3051	10/3/2006	BJ	6010B-061003A	
7439-92-1	LEAD	295	12.8		mg/Kg	10.0	6010B/3051	10/3/2006	BJ	6010B-061003A	

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
ND = Not detected above the listed practical quantitation limit (PQL)
D.F. - Dilution Factor

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WSDOE Lab C057

DATA REPORT

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Reference Number: 06-12634
Rep 10/5/2006
Project: SHD-SW&T - ERTS 557432

Method: NWTPH-Dx
SEMI-VOLATILE PETROLEUM PRODUCTS
Matrix: Soil

Analyst: HY/MA
Collect Date: 9/26/2006
Supervisor:

LAB NUMBER	FIELD ID	COMPOUNDS	RESULT	DF	Cleanup Level	PQL	MDL	UNITS	DATE ANALYZED	COMMENT
26655	1040028388-2 - E Side Pad	DIESEL (C12 - C24)	**ND**	1	2000	50	25	mg/Kg	9/28/2006	
		HEAVIER OILS (>C24)	**31400**	1	2000	50	40	mg/Kg		
		OTHER PETROLEUM RANGE	**ND**	1				mg/Kg		
26656	1040028388-3 - W Side Pad	DIESEL (C12 - C24)	**ND**	1	2000	50	25	mg/Kg	9/28/2006	
		HEAVIER OILS (>C24)	**25600**	1	2000	50	40	mg/Kg		
		OTHER PETROLEUM RANGE	**ND**	1				mg/Kg		

Notation:

ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
PQL = Practical Quantitation Limit is the lowest level that can be achelved within specified limits of precision and accuracy during routine laboratory operating conditions.
DF - Dilution Factor.

*** The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.**

FORM: HCID

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Microbiology | 360.671.0688 • 360.671.1577fax

WSDOE Lab C057

DATA REPORT

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Reference Number: 06-12634
Project: SHD-SW&T - ERTS 557432

Lab Number: 26654
Field ID: 1040028388-1
Sample Description: E Side Pad VOC
Matrix: Soil
Collect Date: 9/26/2006
Extraction Date: 10/2/2006
Extraction Method: 5030B

Report Date: 10/25/2006
Date Analyzed: 10/25/2006
Analyst: JH
Review:
Analytical Method: 8260B

Volatile Organic Compounds GC/MS

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND	mg/Kg	0.10	-	1.0	8260s_061002	
75-35-4	1,1 - DICHLOROETHYLENE	ND	mg/Kg	0.10	-	1.0		
563-58-6	1,1 - DICHLOROPROPENE	ND	mg/Kg	0.10	-	1.0		
71-55-6	1,1,1 - TRICHLOROETHANE	ND	mg/Kg	0.025	-	1.0		
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
79-00-5	1,1,2 - TRICHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
106-93-4	1,2 - DIBROMOETHANE	ND	mg/Kg	0.10	-	1.0		
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND	mg/Kg	0.10	-	1.0		
107-06-2	1,2 - DICHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
78-87-5	1,2 - DICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
87-61-6	1,2,3 - TRICHLOROBENZENE	ND	mg/Kg	0.10	-	1.0		
96-18-4	1,2,3 - TRICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
120-82-1	1,2,4 - TRICHLOROBENZENE	ND	mg/Kg	0.10	-	1.0		
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND	mg/Kg	0.10	-	1.0		
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND	mg/Kg	0.10	-	1.0		
142-28-9	1,3 - DICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND	mg/Kg	0.10	-	1.0		
110-57-6	1,4 - DICHLORO-2-BUTENE	ND	mg/Kg	0.25	-	1.0		
106-46-7	1,4 - DICHLOROBENZENE (para)	ND	mg/Kg	0.10	-	1.0		
109-69-3	1-CHLOROBUTANE	ND	mg/Kg	0.10	-	1.0		
594-20-7	2,2 - DICHLOROPROPANE	ND	mg/Kg	0.10	-	1.0		
78-93-3	2-BUTANONE (MEK)	ND	mg/Kg	6.0	-	1.0		
591-78-6	2-HEXANONE	ND	mg/Kg	0.5	-	1.0		
79-46-9	2-NITROPROPANE	ND	mg/Kg	0.5	-	1.0		
108-10-1	4-METHYL-2-PENTANONE	ND	mg/Kg	0.125	-	1.0		
67-64-1	ACETONE	ND	mg/Kg	1.3	-	1.0		
107-13-1	ACRYLONITRILE	ND	mg/Kg	0.10	-	1.0		
107-05-1	ALLYL CHLORIDE	ND	mg/Kg	0.10	-	1.0		
71-43-2	BENZENE	ND	mg/Kg	0.025	-	1.0		

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

Volatile Organic Compounds GC/MS

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
108-86-1	BROMOBENZENE	ND	mg/Kg	0.10	-	1.0	8260s_061002	
74-97-5	BROMOCHLOROMETHANE	ND	mg/Kg	0.10	-	1.0		
75-27-4	BROMODICHLOROMETHANE	ND	mg/Kg	0.10	-	1.0		
75-25-2	BROMOFORM	ND	mg/Kg	0.10	-	1.0		
74-83-9	BROMOMETHANE	ND	mg/Kg	0.50	-	1.0		
75-15-0	CARBON DISULFIDE	ND	mg/Kg	0.10	-	1.0		
56-23-5	CARBON TETRACHLORIDE	ND	mg/Kg	0.10	-	1.0		
108-90-7	CHLOROBENZENE	ND	mg/Kg	0.10	-	1.0		
124-48-1	CHLORODIBROMOMETHANE	ND	mg/Kg	0.10	-	1.0		
75-00-3	CHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
67-66-3	CHLOROFORM	0.2	mg/Kg	0.10	-	1.0		
74-87-3	CHLOROMETHANE	ND	mg/Kg	0.125	-	1.0		
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.10	-	1.0		
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.10	-	1.0		
74-95-3	DIBROMOMETHANE	ND	mg/Kg	0.10	-	1.0		
75-71-8	DICHLORODIFLUOROMETHANE	ND	mg/Kg	0.10	-	1.0		
60-29-7	DIETHYL ETHER	ND	mg/Kg	0.125	-	1.0		
141-78-6	ETHYL ACETATE	ND	mg/Kg	0.10	-	1.0		
97-63-2	ETHYL METHACRYLATE	ND	mg/Kg	0.10	-	1.0		
100-41-4	ETHYLBENZENE	0.4	mg/Kg	0.10	-	1.0		
106-93-4	ETHYLENE DIBROMIDE (EDB)	ND	mg/Kg	0.10	-	1.0		
87-68-3	HEXACHLOROBUTADIENE	ND	mg/Kg	0.10	-	1.0		
67-72-1	HEXACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
98-82-8	ISOPROPYLBENZENE	ND	mg/Kg	0.10	-	1.0		
126-98-7	METHACRYLONITRILE	ND	mg/Kg	0.10	-	1.0		
96-33-3	METHYL ACRYLATE	ND	mg/Kg	0.10	-	1.0		
74-88-4	METHYL IODIDE	ND	mg/Kg	0.10	-	1.0		
80-62-6	METHYL METHACRYLATE	ND	mg/Kg	0.25	-	1.0		
1634-04-4	METHYL TERT-BUTYL ETHER	ND	mg/Kg	1.25	-	1.0		
75-09-2	METHYLENE CHLORIDE	ND	mg/Kg	1.25	-	1.0		
104-51-8	N - BUTYLBENZENE	ND	mg/Kg	0.10	-	1.0		
103-65-1	N - PROPYLBENZENE	ND	mg/Kg	0.10	-	1.0		
91-20-3	NAPHTHALENE	ND	mg/Kg	0.10	-	1.0		
99-87-6	P - ISOPROPYLTOLUENE	ND	mg/Kg	0.10	-	1.0		
76-01-7	PENTACHLOROETHANE	ND	mg/Kg	0.10	-	1.0		
135-98-8	SEC - BUTYLBENZENE	ND	mg/Kg	0.10	-	1.0		
100-42-5	STYRENE	ND	mg/Kg	0.10	-	1.0		
156-60-5	T - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.10	-	1.0		
98-06-6	TERT - BUTYLBENZENE	ND	mg/Kg	0.10	-	1.0		
127-18-4	TETRACHLOROETHYLENE	ND	mg/Kg	0.025	-	1.0		
109-99-9	TETRAHYDROFURAN	ND	mg/Kg	0.5	-	1.0		
108-88-3	TOLUENE	ND	mg/Kg	0.10	-	1.0		
10061-02-6	TRANS- 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.10	-	1.0		
79-01-6	TRICHLOROETHYLENE	ND	mg/Kg	0.025	-	1.0		
75-69-4	TRICHLOROFLUOROMETHANE	ND	mg/Kg	0.10	-	1.0		
75-01-4	VINYL CHLORIDE	ND	mg/Kg	0.10	-	1.0		

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - Indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

Volatile Organic Compounds GC/MS

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
1330-20-7	XYLENES	4.3	mg/Kg	0.10	-	1.0	8260s_061002	

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - Indicates the compound was not detected above the PQL or MDL

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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WSDOE Lab C057

DATA REPORT

Client Name: Snohomish Health District - Toxics
3020 Rucker Ave Ste 104
Everett, WA 98201

Reference Number: 06-12634
Project: SHD-SW&T - ERTS 557432

Lab Number: 26655
Field ID: 1040028388-2
Sample Description: E Side Pad
Matrix: Soil
Collect Date: 9/26/2006
Extraction Date: 10/2/2006
Extraction Method: 3540B

Report Date: 11/22/2006
Date Analyzed: 10/30/2006
Analyst: MM
Review:
Analytical Method: 8082

PCB in Soil/Water

CAS ID#	COMPOUNDS	RESULT*	Units	PQL	MDL	D.F.	Batch	COMMENT
12674-11-2	AROCLOR 1016	ND	mg/Kg	0.1	-	1.0	8082_061002	
11104-28-2	AROCLOR 1221	ND	mg/Kg	1	-	1.0		
11141-16-5	AROCLOR 1232	ND	mg/Kg	0.1	-	1.0		
53469-21-9	AROCLOR 1242	ND	mg/Kg	0.1	-	1.0		
12672-29-6	AROCLOR 1248	ND	mg/Kg	0.1	-	1.0		
11097-69-1	AROCLOR 1254	0.84	mg/Kg	0.1	-	1.0		
11096-82-5	AROCLOR 1260	0.71	mg/Kg	0.1	-	1.0		

*Result of: NA - indicates the compound was not analyzed.
Alpha characters following a numeric value are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.

PQL = Practical Quantitation Limit is the lowest level that can be acheived within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
6010B-061003A	CADMIUM	ND	mg/L	0.00		6010B	LRB	
	CHROMIUM	ND	mg/L	0.01		6010B	LRB	
	LEAD	ND	mg/L	0.00		6010B	LRB	
6010B-061003A	CADMIUM	ND	mg/L	0.00		6010B	MB	
	CHROMIUM	ND	mg/L	0.01		6010B	MB	
	LEAD	ND	mg/L	2.50		6010B	MB	
8082_061002	AROCLOR 1016	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1221	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1232	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1242	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1248	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1254	ND	mg/Kg	0.02		8082	MB	
	AROCLOR 1260	ND	mg/Kg	0.02		8082	MB	
	DECACHLOROBIPHENYL (Surr)	79	%			8082	MB	
	TETRACHLORO-M-XYLENE (Surr)	140	%			8082	MB	
8260S_061002	1,1 - DICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1 - DICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1 - DICHLOROPROPENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,1 - TRICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,1,2 - TETRACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,2 - TRICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,1,2,2 - TETRACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROBENZENE (ortho)	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,3 - TRICHLOROBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,3 - TRICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,4 - TRICHLOROBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2,4 - TRIMETHYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2-DIBROMO-3-CHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,3 - DICHLOROBENZENE (meta)	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,3 - DICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,3,5 - TRIMETHYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,4 - DICHLORO-2-BUTENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,4 - DICHLOROBENZENE (para)	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1-CHLOROBUTANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
8260S_061002	2,2 - DICHLOROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	2-BUTANONE (MEK)	4.8	mg/Kg	0.30		8260B	MB	PQL raised to 6.0 mg/Kg
	2-HEXANONE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	2-NITROPROPANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	4-METHYL-2-PENTANONE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ACETONE	0.9	mg/Kg	0.60		8260B	MB	PQL raised to 1.3 mg/Kg
	ACRYLONITRILE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ALLYL CHLORIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOCHLOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMODICHLOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOFORM	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	BROMOMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CARBON DISULFIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CARBON TETRACHLORIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLORODIBROMOMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROFORM	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CHLOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CIS - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	CIS - 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	DIBROMOMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	DICHLORODIFLUOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	DIETHYL ETHER	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ETHYL METHACRYLATE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ETHYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	HEXACHLOROBUTADIENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	HEXACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	ISOPROPYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHACRYLONITRILE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL ACRYLATE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL IODIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL METHACRYLATE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYL TERT-BUTYL ETHER	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	METHYLENE CHLORIDE	ND	mg/Kg	0.30		8260B	MB	MB 06-12634
	N - BUTYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	N - PROPYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water.

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QUALITY CONTROL REPORT
BLANK REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	Units	Limit	QC Qualifier	Method	Type*	Comments
8260S_061002	NAPHTHALENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	P - ISOPROPYLTOLUENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	PENTACHLOROETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	SEC - BUTYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	STYRENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	T - 1,2 - DICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TERT - BUTYLBENZENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TETRACHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TETRAHYDROFURAN	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TOLUENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TRANS- 1,3 - DICHLOROPROPENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TRICHLOROETHYLENE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	TRICHLOROFLUOROMETHANE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	VINYL CHLORIDE	ND	mg/Kg	0.02		8260B	MB	MB 06-12634
	1,2 - DICHLOROETHANE-d4 (SURR)	90	mg/Kg			8260B	MB	MB 06-12634
	4-BROMOFLUOROBENZENE (Surr)	98	mg/Kg			8260B	MB	MB 06-12634
	d8-TOLUENE (Surr)	99	mg/Kg			8260B	MB	MB 06-12634
DXS_060927	DIESEL (C12 - C24)	ND	mg/Kg	6.25		NWTPH-Dx	MB	
	HEAVIER OILS (>C24)	ND	mg/Kg	10.00		NWTPH-Dx	MB	
	O-TERPHENYL	91	%	0.00		NWTPH-Dx	MB	

*Notation:

LRB: Laboratory Reagent Blanks are used to determine the background level of the analytes in a laboratory batch. Therefore, this report may include analytes not requested for your submitted samples.

MB: Method Blanks are used to determine background levels of analytes in digested and extracted laboratory reagent water.

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QUALITY CONTROL REPORT

QCS/LFB REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-061003A	CADMIUM	1	1	mg/L	6010B	100	70-130		LFB	
	CHROMIUM	1.07	1	mg/L	6010B	107	70-130		LFB	
	LEAD	1.03	1	mg/L	6010B	103	70-130		LFB	
8082_061002	AROCLOR 1260	0.19	0.2	mg/Kg	8082	95	49-153		LFB	
	DECACHLOROBIPHENYL (Surr)	107		%	8082	NA	22-161		LFB	
	TETRACHLORO-M-XYLENE (Surr)	89		%	8082	NA	58-111		LFB	
8260S_061002	1,1 - DICHLOROETHANE	0.90	1	mg/Kg	8260B	90	60-140		LFB	
	1,1 - DICHLOROETHYLENE	0.94	1	mg/Kg	8260B	94	60-140		LFB	
	1,1 - DICHLOROPROPENE	0.88	1	mg/Kg	8260B	88	60-140		LFB	
	1,1,1 - TRICHLOROETHANE	0.87	1	mg/Kg	8260B	87	60-140		LFB	
	1,1,1,2 - TETRACHLOROETHANE	1.18	1	mg/Kg	8260B	118	60-140		LFB	
	1,1,2 - TRICHLOROETHANE	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	1,1,2,2 - TETRACHLOROETHANE	1.21	1	mg/Kg	8260B	121	60-140		LFB	
	1,2 - DICHLOROBENZENE (ortho)	1.12	1	mg/Kg	8260B	112	60-140		LFB	
	1,2 - DICHLOROETHANE	0.87	1	mg/Kg	8260B	87	60-140		LFB	
	1,2 - DICHLOROPROPANE	0.82	1	mg/Kg	8260B	82	60-140		LFB	
	1,2,3 - TRICHLOROBENZENE	1.32	1	mg/Kg	8260B	132	60-140	AH	LFB	
	1,2,3 - TRICHLOROPROPANE	1.15	1	mg/Kg	8260B	115	60-140		LFB	
	1,2,4 - TRICHLOROBENZENE	1.00	1	mg/Kg	8260B	100	60-140		LFB	
	1,2,4 - TRIMETHYLBENZENE	1.23	1	mg/Kg	8260B	123	60-140		LFB	
	1,2-DIBROMO-3-CHLOROPROPANE	1.18	1	mg/Kg	8260B	118	60-140		LFB	
	1,3 - DICHLOROBENZENE (meta)	1.19	1	mg/Kg	8260B	119	60-140		LFB	
	1,3 - DICHLOROPROPANE	0.81	1	mg/Kg	8260B	81	60-140		LFB	
	1,3,5 - TRIMETHYLBENZENE	1.25	1	mg/Kg	8260B	125	60-140		LFB	
	1,4 - DICHLOROBENZENE (para)	1.25	1	mg/Kg	8260B	125	60-140		LFB	
	2,2 - DICHLOROPROPANE	0.91	1	mg/Kg	8260B	91	60-140		LFB	
	BENZENE	0.91	1	mg/Kg	8260B	91	60-140		LFB	
	BROMOBENZENE	1.24	1	mg/Kg	8260B	124	60-140		LFB	
	BROMOCHLOROMETHANE	0.94	1	mg/Kg	8260B	94	60-140		LFB	
	BROMODICHLOROMETHANE	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	BROMOFORM	1.21	1	mg/Kg	8260B	121	60-140		LFB	
	BROMOMETHANE	0.91	1	mg/Kg	8260B	91	60-140		LFB	
	CARBON TETRACHLORIDE	0.95	1	mg/Kg	8260B	95	60-140		LFB	
	CHLOROBENZENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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QUALITY CONTROL REPORT

QCS/LFB REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
8260S_061002	CHLORODIBROMOMETHANE	0.82	1	mg/Kg	8260B	82	60-140		LFB	
	CHLOROETHANE	0.81	1	mg/Kg	8260B	81	60-140		LFB	
	CHLOROFORM	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	CHLOROMETHANE	0.93	1	mg/Kg	8260B	93	60-140		LFB	
	CIS - 1,2 - DICHLOROETHYLENE	0.92	1	mg/Kg	8260B	92	60-140		LFB	
	CIS - 1,3 - DICHLOROPROPENE	0.87	1	mg/Kg	8260B	87	60-140		LFB	
	DIBROMOMETHANE	0.82	1	mg/Kg	8260B	82	60-140		LFB	
	DICHLORODIFLUOROMETHANE	0.79	1	mg/Kg	8260B	79	60-140		LFB	
	ETHYLBENZENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	
	ETHYLENE DIBROMIDE (EDB)	0.78	1	mg/Kg	8260B	78	60-140		LFB	
	HEXACHLOROBUTADIENE	1.03	1	mg/Kg	8260B	103	60-140		LFB	
	ISOPROPYLBENZENE	1.33	1	mg/Kg	8260B	133	60-140		LFB	
	METHYL TERT-BUTYL ETHER	1.53	1	mg/Kg	8260B	153	60-140	AH	LFB	
	METHYLENE CHLORIDE	0.83	1	mg/Kg	8260B	83	60-140		LFB	
	N - BUTYLBENZENE	1.04	1	mg/Kg	8260B	104	60-140		LFB	
	N - PROPYLBENZENE	1.23	1	mg/Kg	8260B	123	60-140		LFB	
	NAPHTHALENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	
	P - ISOPROPYLTOLUENE	1.22	1	mg/Kg	8260B	122	60-140		LFB	
	SEC - BUTYLBENZENE	1.23	1	mg/Kg	8260B	123	60-140		LFB	
	STYRENE	1.20	1	mg/Kg	8260B	120	60-140		LFB	
	T - 1,2 - DICHLOROETHYLENE	1.00	1	mg/Kg	8260B	100	60-140		LFB	
	TERT - BUTYLBENZENE	1.33	1	mg/Kg	8260B	133	60-140	AH	LFB	
	TETRACHLOROETHYLENE	0.79	1	mg/Kg	8260B	79	60-140		LFB	
	TOLUENE	0.80	1	mg/Kg	8260B	80	60-140		LFB	
	TRANS- 1,3 - DICHLOROPROPENE	0.89	1	mg/Kg	8260B	89	60-140		LFB	
	TRICHLOROETHYLENE	0.85	1	mg/Kg	8260B	85	60-140		LFB	
	TRICHLOROFLUOROMETHANE	0.77	1	mg/Kg	8260B	77	60-140		LFB	
	VINYL CHLORIDE	1.04	1	mg/Kg	8260B	104	60-140		LFB	
	1,2 - DICHLOROETHANE-d4 (SURR)	100		mg/Kg	8260B	NA	70-130		LFB	
	4-BROMOFLUOROBENZENE (Surr)	91		mg/Kg	8260B	NA	80-120		LFB	
	d8-TOLUENE (Surr)	86		mg/Kg	8260B	NA	NA		LFB	
DXS_060927	DIESEL (C12 - C24)	88	125	mg/Kg	NWTPH-Dx	70	80-120		LFB	
	O-TERPHENYL	12		%	NWTPH-Dx		70-130		LFB	
6010B-061003A	CADMIUM	1.98	2	mg/L	6010B	99	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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QUALITY CONTROL REPORT
QCS/LFB REPORT

Reference Number: 06-12634
Report Date: 11/22/06

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-061003A	CHROMIUM	1.99	2	mg/L	6010B	100	70-130		QCS	
	LEAD	2.06	2	mg/L	6010B	103	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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QUALITY CONTROL REPORT

Duplicate and Matrix Spike/Matrix Spike Duplicate Report

Reference Number: 06-12634
Report Date: 11/22/2006

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier		Comments
6010B-061003A										
	26656	CADMIUM	35.5	52.5	mg/Kg	**38.6**	0-50	NH	DUP	
	26656	CHROMIUM	174	257	mg/Kg	**38.5**	0-50	NH	DUP	
	26656	LEAD	295	388	mg/Kg	**27.2**	0-50	NH	DUP	
8082_061002										
	26813	DECACHLOROBIPHENYL (Surr)	109	120	%	**9.6**	0-30		DUP	
	26813	TETRACHLORO-M-XYLENE (Surr)	87	93	%	**6.7**	0-30		DUP	
8260s_061002										
	26654	CHLOROFORM	0.2	0.2	mg/Kg	**0.0**	0-50		DUP	
	26654	ETHYLBENZENE	0.4	0.3	mg/Kg	**28.6**	0-50		DUP	
	26654	XYLENES	4.3	3.0	mg/Kg	**35.6**	0-50		DUP	
	26654	1,2 - DICHLOROETHANE-d4 (SURR)	93	89	%	**4.4**	0-50		DUP	
	26654	4-BROMOFLUOROBENZENE (Surr)	99	99	%	**0.0**	0-30		DUP	
	26654	d8-TOLUENE (Surr)	102	100	%	**2.0**			DUP	
DXS_060927										
	26153	HEAVIER OILS (>C24)	5080	4750	mg/Kg	**6.7**	0-50		DUP	
	26153	O-TERPHENYL	81	95	%	**15.9**	0-50		DUP	
TS_060928										
	26391	TOTAL SOLIDS FOR CALCULATION	59.4	57.4	%	**3.4**	0-45		DUP	
	26792	TOTAL SOLIDS FOR CALCULATION	79.2	80.4	%	**1.5**	0-45		DUP	
TS_061012										
	28008	TOTAL SOLIDS FOR CALCULATION	95.6	95.8	%	**0.2**	0-45		DUP	
	28019	TOTAL SOLIDS FOR CALCULATION	85.6	85.2	%	**0.5**	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 06-12634
Report Date: 11/22/2006

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Comments
6010B-061003A														
	26153	CADMIUM	16.4	134		119	mg/Kg	**99**		70-130	**NA**	0-50		LFM
	26153	LEAD	178	301		119	mg/Kg	**103**		80-120	**NA**	0-60		LFM
	26656	CADMIUM	35.5	160	154	128	mg/Kg	**97**	**93**	70-130	**4.9**	0-50		LFM
	26656	CHROMIUM	174	300	321	128	mg/Kg	**98**	**115**	70-130	**15.4**	0-50		LFM
	26656	LEAD	295	441	439	128	mg/Kg	**114**	**113**	80-120	**1.4**	0-60		LFM
8082_061002														
	26655	AROCLOR 1260	0.71	1.22		0.3	mg/Kg	**170**	**NA**	49-153	**NA**	0-60	S	LFM
	26655	DECACHLOROBIPHENYL (Surr)	36	36			%		**NA**		**NA**			LFM
	26655	TETRACHLORO-M-XYLENE (Surr)	76	70			%		**NA**		**NA**			LFM

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Qualifier Definitions

Reference Number: 06-12634
Report Date: 11/22/06

Qualifier	Definition
AH	Result was high for this analyte only in the standard. No detection of this analyte was found in samples, therefore no further action taken.
LS	Data suspect due to low surrogate recovery.
NH	The sample was non-homogeneous.
S	Spiking amount was lower than the 5:1 spike to background (sample amount) basis for performance criteria. The reported criteria does not apply due to increased errors in measurement of both sample and spike concentration.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

CHAIN OF CUSTODY RECORD

06-12634
JCN 26654 - 26656

PAGE 1 OF 1

DATE 9/26/06

EDGE ANALYTICAL
11525 KNUDSON ROAD
BURLINGTON, WA 98233
PHONE 360 757-1400
800 755-9295
FAX 360 757-1402

SUBMIT REPORT TO:

NAME Geoffrey Coolcot
ADDRESS 3020 Rucker
Everett WA 98201
PROJECT NAME ERTS 55 7432
PHONE/FAX 425 339 5250
JOB/P.O. NO. _____ CONTACT _____
SAMPLER (SIGNATURE)

BILLING INFO:

NAME SHD
ADDRESS 3020 Rucker
Everett WA 98201
ATTN: Gary Honda
VISA ☐ MC ☐ CARDHOLDER _____
CARD # _____ EXP ___/___

Edge Analytical
1040028388
UHS04 06/21/2006

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE
2. BE SPECIFIC IN TEST REQUESTS
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE

TURN AROUND REQUEST

☒ STANDARD
☐ 5 DAYS (50% SURCHARGE)
☐ 1 - 2 DAYS (100% SURCHARGE)
☐ OTHER

TEST

NO.	SAMPLE ID	DESCRIPTION	GRAB/ COMP.	MATRIX	DATE	TIME	Pb, Cd, Cr	NWTPH-Dx	PCB	8260	8270	NO. OF CONTAINERS	PRESERVATIVE	OBSERVATIONS COMMENTS, SPECIAL INSTRUCTIONS
1	#1	E. Side Pad VOC.	grab	soil	9/26	12:55			X					
2	#2	E. Side Pad	comp	Soil	9/26	1:00	X	X	X					
3	#3	W Side Pad	comp	Soil	9/26	1:05	X	X						
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														

TOTAL NO. OF CONTAINERS

RECEIVED
NOV 28 2006
Snohomish Health District
Environmental Health

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Geoffrey W. Coolcot Engr. Cl	9/26/06 5:00		9/26 5:00
Dan Peterson	9:50 AM 9/27		9-27-06 9:45 AM

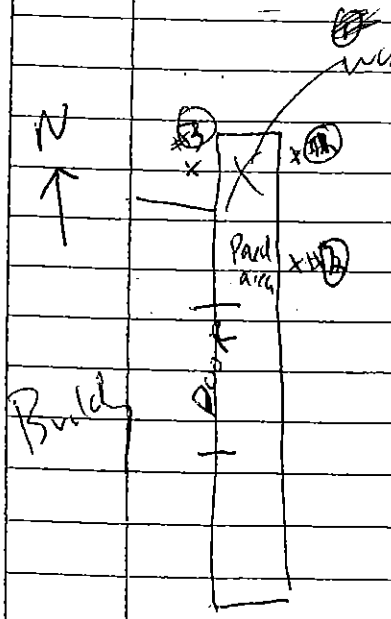
CHAIN OF CUSTODY SEALS ☐ YES ☐ NO ☐ NA
SHIPPED VIA ☐ UPS ☐ FED EX ☒ OTHER _____
17°C

SERVICE RECORD

SNOHOMISH HEALTH DISTRICT
ENVIRONMENTAL HEALTH

SITE ADDRESS

COMPLAINT NO. PTA NO.

Date	Notes	Recorded by	Title
9/26/06.	Site visit again to conduct soil sample collection. Spoke w/ site owner / who showed us to TC wash area. areas had not been disturbed since last visit.		
	 Areas sampled appeared stained by also appeared as Rusty water collected in these areas from washing or Rain.		
	- collected samples for Pb. Co, Cd @ all sites - collected samples for NWTPH @ all sites. collected VOC @ #1 PCB @ #2		
	- chilled in cooler for transport - Edge analytical conducted analyses.		

Rev0B1403AE:jsl

SERVICE RECORD

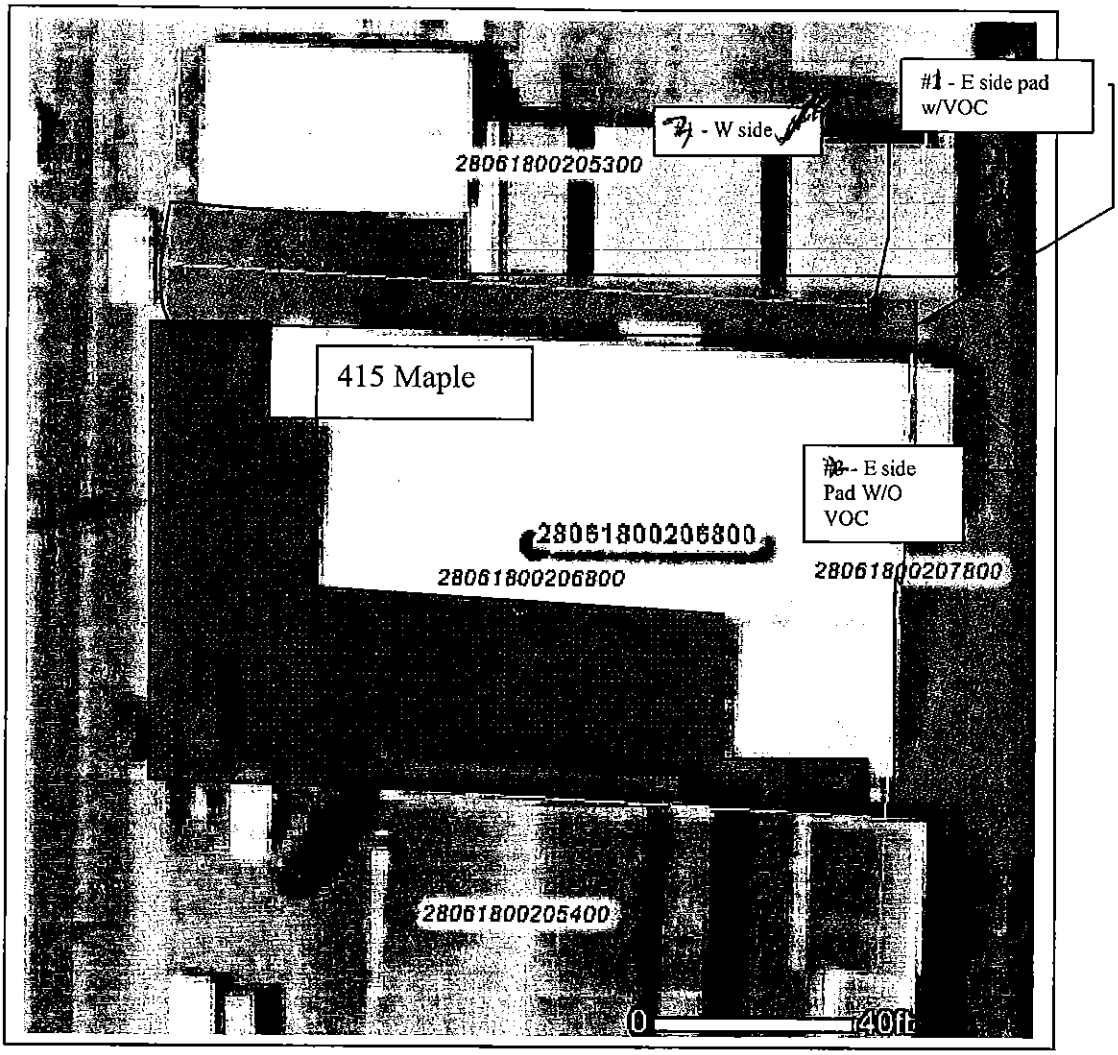
SNOHOMISH HEALTH DISTRICT
ENVIRONMENTAL HEALTH

SITE ADDRESS

COMPLAINT NO. PTA NO.

Date	Notes	Recorded by	Title
11/28/06			
	[illegible] Results indicate hy [illegible]		
	of Pb. Cd. + TPH.		
	Some PCB + VOC contamination		
	@ The site.		
11/29/06	conducted site visit to inform owner of		
	test Results. also, Encouraged to enter VCP.		
12/12/06	will Recommend listing site on		
	[illegible] CSCS list.		

ERTS - 557432



Legend

- Building
- Pad
- Paved Area
- Un-paved Area
- Sampling Area

Sampling conducted on September 26, 2006, as a part of an II. The sample area is on the NE side of the building. This is an partially covered area with exposed soil. Waste water runs off of the small pad on which pressure washing of electrical equipment takes place. Samples were collected on the West and East side of the pad. Analysis include, Pb, Cr, Cd, NWTPH Dx, and PCB 8082 and VOCs 8260.

Snohomish County Washington — Online Government Information & Services

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Please view Disclaimer **If you have questions, comments or suggestions, please Contact Us.**

Date/Time:12/28/2006 9:20:50 AM Answers to Frequently Asked Questions about Parcel Data (opens as new window)

Return to Property Information Entry page

Parcel Number **28061800206800** Prev Parcel Reference **18280620680007**

View Map of this parcel (opens as new window)

General Information

Taxpayer Name || Address (contact the Treasurer if you have questions)

KLETT STEPHEN & JANET || 14430 44TH ST NE - - - LAKE STEVENS, WA 98258-8614

If the above mailing address is incorrect and you want to make a change, see the information on Name and Address Changes

Owner Name || Address (contact the Assessor if you have questions)

KLETT STEPHEN & JANET || PALMER MICHAEL S - 14430 44TH ST NE - - LAKE STEVENS, WA 98258

If the above name and address is incorrect due to a recent sale, please see the information on Name and Address Changes After a Sale

Street (Situs) Address (contact the Assessor if you have questions)

413 MAPLE AVE - - - SNOHOMISH, WA 98290-2527

Parcel Legal Description

SEC 18 TWP 28 RGE 06 THE N 100FT OF FDT BEG INT N LN FOURTH ST AND WLY R/W LN BNRR (AKA NPRR) TH W 148FT TH N 240FT TH E 148FT TH S 240FT TO POB LESS PTN TO CITYSNO PER DEED & DEDICATION 1660/1864 AUD'S FILE NO. 800280227 DAF BEG NW COR ABV DESC PROP TPB TH S 240FT TH E 10FT TH NWLY TO TPB

Go to top of page

Treasurer's Tax Information

Taxes For answers to questions about Taxes, please contact the Treasurer's office (opens as new window)

2006 Taxes for this parcel $3,926.34

(Taxes may include Surface Water Management and/or State Forest Fire Patrol fees. LID charges, if any, are not included.)

To obtain a duplicate tax statement, either download our Tax Statement Request form or call 425-388-3366 to request it by phone.

Go to top of page

Assessor's Property Data

Characteristics and Value Data below are for 2006 tax year.

Please contact the Treasurer's office **for answers to questions about Taxes** (opens as new window)

For questions ONLY about property characteristics or property values (NOT taxes), please contact the Assessor's Office (opens as new window)

Property Values

Values do not reflect adjustments made due to an exemption, such as a senior or disabled persons exemption.
Reductions for exemptions are made on the property tax bill.

Tax Year	2006	Market Land	$179,700	Market Improvement	$158,300	Market Total	$338,000
Tax Year	2007	Market Land	$237,600	Market Improvement	$193,300	Market Total	$430,900

Go to top of page

Property Characteristics

Tax Code Area (TCA) **00735** View Taxing Districts for this Parcel (opens as new window)

Use Code **649 Other Repair Services NEC**

Size Basis **ACRE** Size **0.34** (Size may include undivided interest in common tracts and road parcels)

Go to top of page

Property Structures

Type	Yr.Built	Structure Description
Commercial	**1975**	**SEA-ALASKA INDUST ELECTRIC** View Structure Data (opens as new window)

Go to top of page

Property Sales since 7/31/1999

Explanation of Sales Information (opens as new window)

Sales data is based solely upon excise affidavits processed by the Assessor.

No sales for this parcel have been recorded since 7/31/1999

Go to top of page

Property Maps Township/Range/Section/Quarter, links to maps

Neighborhood **5106000** Explanation of Neighborhood Code (opens as new window)

Township **28** Range **06** Section **18** Quarter **NW** Find parcel maps for this Township/Range/Section

View Map of this parcel (opens as new window)

NEW ENVIRONMENTAL REPORTS TRACKING SYSTEM (NERTS) INPUT FORM

Caller Name:	G. Collum			Business:	YCP-NWRO		
Address:	3190 160th Ave. SE						
City:	Bellevue	State:	Wa.	Zip:	98008	Email	
Phone:		Ext:		Type:		Confidential Caller:	Yes ☐ No ☐
Phone:		Ext:		Type:		External Ref #:	
Additional Contact Name:				Business:			
Phone:		Ext:		Type:			
Incident Date:		Received Date:	8/10/06			Time: (24 hour)	
Medium:	soil	Material:	unk liq.	Quantity:	unk.	Unit Measure:	
Source:	commercial	Cause:	dumping			Activity:	disposing
Impact:	soil contam.	Vessel Name:				Vessel Type:	
Location/Business Name:	Sea-Hawk Industrial Electric						
Street Address:	415 Maple Ave.			City/State:	Snohomish	Zip:	98290-2527
County:	Snohomish	FS ID		WRIA#		Lat:	
Waterway:		Type:				Long:	
Directions/Landmarks (mile post, etc.):	N. of intersection of 4th St. & Maple Ave.						
Potentially Responsible Party Name:						Business:	
RP Address:							
City:		State:		ZIP:		Email:	
Phone:		Ext.				Type:	

Additional Info on Incident:

Electric Motor Service Center dumping waste liquids to the ground outside of the back concrete pad, onto soil, by the back east fence line. Photo taken by D. Brentlinger while doing IT @ adjacent site, City of Snohomish / Former BNRR Railyard. Liquid had oily sheen. It had not rained for 3 weeks and everything else was dry. Encountered a neighbor who alleged that the facility had burned batteries out back, in the past.

ENVIRONMENTAL REPORTS TRACKING SYSTEM INPUT FORM

REFERRAL INFORMATION

Primary Referral Name:		Agency/Organization:	
Phone:	Ext:	Type:	Fax #:
Referral Date:	Email/Other Info:		
Secondary Referral Name:		Agency/Organization:	
Phone:	Ext.	Type:	Fax #:
Referral Date:	Email/Other Info:		

Additional Information:

INVESTIGATION INFORMATION

Investigator(s):	Program/Agency:	
# of DOE Staff:	OT used by DOE Staff? Yes ☐ NO ☐	
Action:	Start Date:	End Date:

☐Field Response – Investigation ☐No Action – Resource Limitation ☐TCP – Voluntary Compliance
☐Field Response – Tech Assistance ☐No Action – Voluntary Compliance ☐TCP – Determination
☐Referral ☐No Action Needed ☐Written – Enforcement
☐Telephone ☐Telephone – Technical Assistance ☐Written – Technical Assistance

Incident Date:	Hazardous? Yes ☐ NO ☐

Narrative Text:

If the following information has changed from the original report, please indicate below:

Medium:	Material:	Quantity:	Unit Measure:
Source:	Cause:	Activity:	
Impact:	Vessel Name:	Vessel Type:	

2006 7 28

2006 7 28

2006 7 28

2006 7 28

ERTS # 556281

Initial Report

External Reference #

Caller Information

First	Last
Name BRAD	NELSON
Busines Name CITY OF SNOHOMISH	
Street Address	
Other Address	
City	State WA Zip
E-mail	Confidential_FL ☐

Phone	Ext	Type
(360) 568-3115		Business

Where did it happen

Berth		Anchorage	
Location Name			
Street Address	506 4TH ST		
Other Address			
City/Place	SNOHOMISH	State WA	Zip
County - Region	SNOHOMISH	NWRO	FS ID 8033548
WIRA #			
Waterway		Type	
Latitude		Longitude	
Topo Quad 1:24:000	SNOHOMISH		

Direction/Landmark (mile post, cross roads, township/range)
PARCEL # 28061800207800

What happened

Spills Program Oil Spill? N

Incident Date	6/28/2006	Received Date	6/28/2006 0:00
Medium	SOIL		
Material	OTHER HAZARDOUS		
Quantity	Unit		
Source	OTHER		
Cause	OTHER		
Activity	OTHER		
Impact	SOIL CONTAMINATION		
Vessel Name			
Hull Number			

Primary Potentially Responsible Party Information

First	Last		
Name			
Business Name	CITY OF SNOHOMISH		
Street Address			
Other Address			
City		State WA	Zip
Phone	Ext	Type	
E-mail			

Additional Contact Information

Name	Phone	Ext	Type

More Information

REPORT OF UNCONTROLLED RELEASE OF HAZARDOUS WASTE AT THE CITY PROPERTY. PHASE II ENVIRONMENTAL REPORT INCLUDED WITH LETTER.

Entry Person Musa, Donna Entry Date 7/7/2006

*** The Initial report contains only information provided to Ecology from the complainant.

ERTS # 556281

Referral

Referral # 91566

Primary ☑

Referral Method

- ○ E-mail ERTS number
- ○ E-mail attachment
- ◉ Print
- ○ Telephone

Person Referred to	EDENS, MARK		
Phone	(425) 649-7070	Fax	(425) 649-7098
E-mail	mede461@ecy.wa.gov		
Program/Organization	TOXICS CLEANUP		
Address	3190 160TH AVE SE		
City	BELLEVUE	WA	98008-5452
Region/Location	NWRO		
Referral Date	7/7/2006		

ERTS # 556281

Followup

Inspector Information

Referral # 91566
☐ Lead Inspector EDENS, MARK
Program/Organization TOXICS CLEANUP
* Region/Location NWRO
# of Ecology Staff 1 Overtime ☐

Where did it happen

Followup #1

Berth Anchorage
Location Name
Street Address 506 4TH ST
Other Address
City/Place SNOHOMISH State WA Zip
County SNOHOMIS Region NWRO FS ID
Waterway Type
WRIA #
Latitude Longitude
Topo Quad 1:24,000 SNOHOMISH
Direction/Landmark (mile post, cross roads, township/range)

Action

Action	Start Date	End Date
REFERRAL	6/28/2006	7/12/2006

What happened

Spills Program Oil Spill? N

Incident Date 6/28/2006
Medium
SOIL
Material
OTHER HAZARDOUS
Quantity Unit Est
Source Regulated? ☐
OTHER
Cause
OTHER
Activity
OTHER
Impact
SOIL CONTAMINATION
Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Last
Name
Business Name CITY OF SNOHOMISH
Street Address
Other Address
City State WA Zip
Phone Ext Type
E-mail

Narrative

Contacted Mr. Brad Nelson of the City of Snohomish on 7/12/06. He indicated that they wanted to remove the USTS and piles of contaminated soil on site and cap lead contaminated soil in place to accomplish cleanup. I indicated that there might be some risk of them not getting an NFA if they do not do more testing to define the limits of the lead-contaminated soil. I said that if the quantities are reasonably small and accessible that Ecology would most likely require it to be cleaned up, however if the quantities are very large and it is not practicable to clean up the contaminated soil that they might be able to obtain an NFA with a restrictive covenant. It was generally agreed that going through the VCP is the most reasonable method to obtain grant funding. Mr. Nelson indicated that they will be preparing a cleanup plan for the site for us to review. I referred him to Joe Hickey for technical assistance on the plan. I also indicated that this site would be referred to the II team for investigation and listing.

[M. Edens, 7/12/06]

Vessel Emergency ☐ Entry Person: EDENS, MARK Entry Date 7/12/2006

Inspector Information

Referral # 91566
☐ Lead Inspector COLBURN, GAIL
Program/Organization TOXICS CLEANUP
* Region/Location NWRO
# of Ecology Staff 3 Overtime ☐

Where did it happen

Followup #2

Berth Anchorage
Location Name
Street Address 506 4TH ST
Other Address
City/Place SNOHOMISH State WA Zip
County SNOHOMIS Region NWRO FS ID 8033548
Waterway Type
WRIA #

Action

Action	Start Date	End Date
FIELD RESPONSE - INVESTIGATION	7/28/2006	8/10/2006
TCP - DETERMINATION	8/10/2006	8/10/2006

ERTS # 556281

What happened

Spills Program Oil Spill? N

Latitude

Longitude

Incident Date 6/28/2006

Topo Quad 1:24,000 SNOHOMISH

Medium
SOIL

Direction/Landmark (mile post, cross roads, township/range)

Material
OTHER HAZARDOUS

Quantity Unit Est

Source
OTHER

Regulated? ☐

Cause
OTHER

Activity
OTHER

Impact
SOIL CONTAMINATION

Vessel

Potentially Responsible Party Information

Check if the primary PRP provided notice to Ecology ☐

Primary ☑ First Last

Name

Business Name CITY OF SNOHOMISH

Street Address

Other Address

City State WA Zip

Phone Ext Type

E-mail

Narrative

INITIAL INVESTIGATION COMPLETED BY COLBURN, BRENTLINGER & WITTMANN. SITE BEING LISTED CONFIRMED IN SOILS FOR TPH-G AND LEAD, SUSPECTED IN SOILS FOR PAHs(SUBSURFACE FILL BURN LAYER - NOT TESTED). USTs STILL ON SURFACE, ABANDONED WITH RESIDUALS, BY WEST FENCE, PILES OF PCS FROM A REMOVAL ELSEWHERE AND DUMPED ON THIS SITE STILL PRESENT, INADEQUATE FENCING OF AREA TO PREVENT ACCESS.

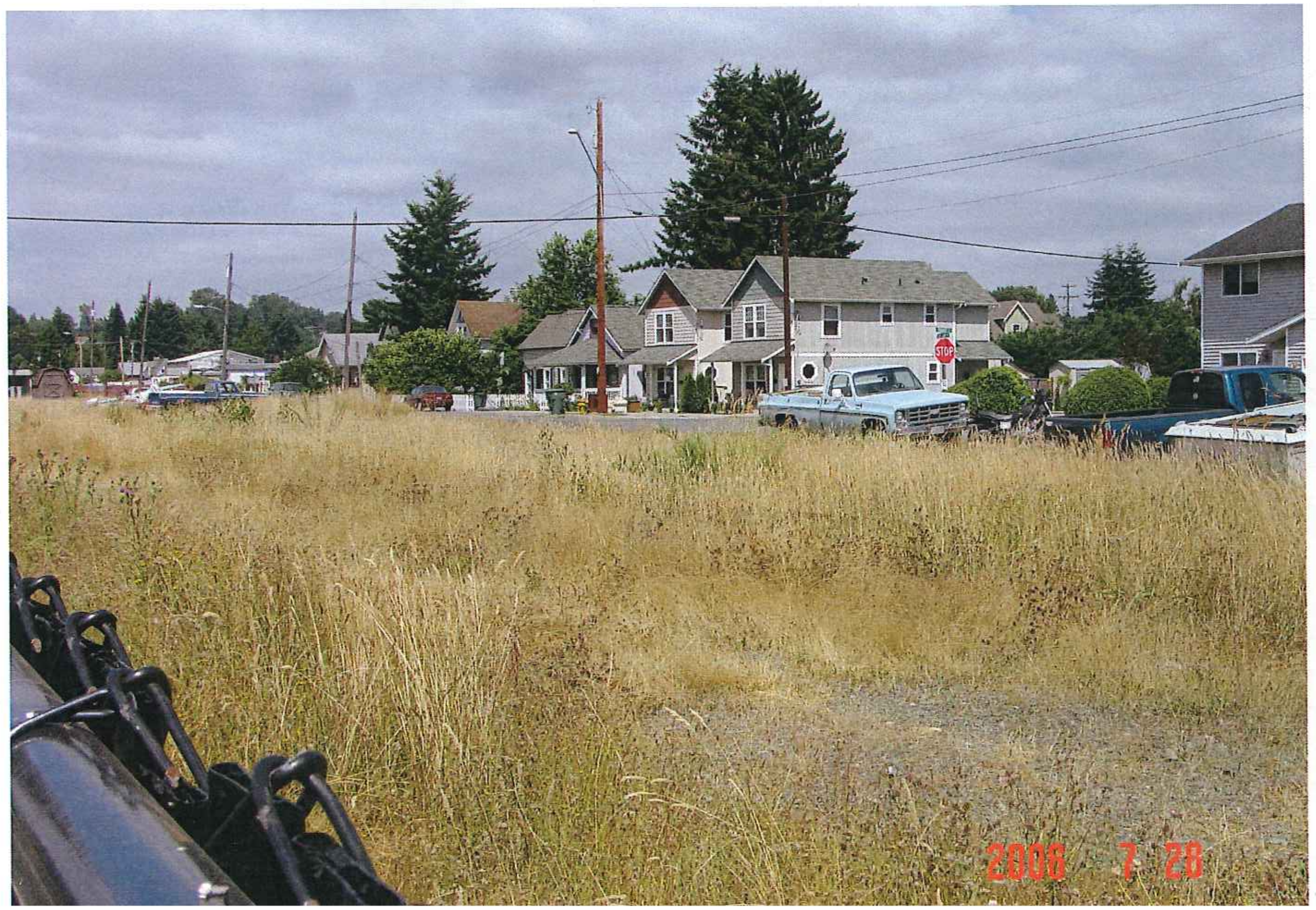
MUSA WENT TO LIST (ENTER IN FS AND ISIS), AND SITE HAD ALREADY APPLIED FOR VCP.

Vessel Emergency ☐

Entry Person: MUSA ERTS, DONNA

Entry Date 9/1/2006

Former RR Prop. - upper st. photo (taken from New Library parking lot (ve. ref 5/16/06)




2006 7 28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KEEP OUT
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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

February 23, 2010

Larry Bauman
City of Snohomish
116 Union Ave
Snohomish, WA 98290

Re: Request for Information on Status of VCP Project for the following Site:

- **Site Name:** 506 4th St. Parcel 28061800207800
- **Site Address:** 506 4th St, Snohomish, WA
- **Facility/Site No.:** 8033548
- **VCP Project No.:** NW1672

Dear Mr. Bauman:

The Department of Ecology (Ecology) is terminating the VCP Agreement governing Project No. NW1672. The project involved the cleanup of the 506 4th St. Parcel 28061800207800 facility (Site). The effective date of termination is the date of this letter. We are providing this notice in accordance with the terms of the Agreement.

Reason

Ecology is terminating the Agreement because we understand that you are not actively cleaning up the Site. On January 20th, 2010 we sent you a letter requesting an update on the status of your cleanup and your plan for completing the cleanup. You did not respond to that request. Since we have not heard from you, we have decided to terminate the Agreement.

Next Steps

Based on this decision, Ecology may take one or more of the following steps:

1. Send you an invoice for any costs remaining on your account. In accordance with the terms of the Agreement, you remain responsible for any costs incurred by us before the effective date of termination.

2. Conduct a site hazard assessment (SHA) and rank the Site for further action.

3. Identify those persons we find potentially liable for cleanup of the Site.

4. Initiate discussions for an agreed order or consent decree that will govern further action at the Site.

You may apply to reenter the VCP if you decide to conduct further action at the Site.

Contact Information

Ecology is committed to working with you to accomplish the prompt and effective cleanup of the Site. If you have any questions about this notice, please contact me at 425-649-7038.

Sincerely,

Russ Olsen
VCP Unit Manager
Toxics Cleanup Program, NWRO

ro/sn/kp

By certified mail 7009 2820 0001 7154 8677

cc: Sara Nied, NWRO Data Coordinator
Dolores Mitchell, VCP Fiscal Manager
Joe Hickey, ECY Site Manager

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

January 20, 2010

Larry Bauman
City of Snohomish
116 Union Ave
Snohomish, WA 98290

Re: Request for Information on Status of VCP Project for the following Site:

- **Site Name:** 506 4th St. Parcel 28061800207800
- **Site Address:** 506 4th St, Snohomish, WA
- **Facility/Site No.:** 8033548
- **VCP Project No.:** NW1672

Dear Mr. Bauman:

The Department of Ecology (Ecology) appreciates your decision to clean up the 506 4th St. Parcel 28061800207800 facility (Site) independently. However, our records indicate that you have not conducted any remedial actions during the past year at the Site. This letter requests information on the status of your cleanup and your continued interest in the Voluntary Cleanup Program (VCP).

Request for Information

Please submit the following information to Ecology within 30 days of the date of this letter:

1. Cleanup status report.

2. Any reports documenting the cleanup.

3. Plan and schedule for completing the cleanup.

Next Steps

Based on your response, Ecology will decide whether to continue providing you services under the VCP. We will notify you of our decision in writing. Please note that we will terminate the Agreement governing this Project if you do not respond to this request.

Contact Information

We are committed to working with you to accomplish the prompt and effective cleanup of the Site. If you have any questions about this request, please contact me at 425-649-7038.

Sincerely,

Russ Olsen
VCP Unit Manager
Toxics Cleanup Program, NWRO

ro/sn/kp

By certified mail 7009 2820 0001 7154 8943

cc: Sara Nied, ECY Site Files
Joe Hickey, Project Manager

Hickey, Joe (ECY)

From: Hickey, Joe (ECY)
Sent: Thursday, October 19, 2006 8:16 AM
To: 'Brad Nelson'
Subject: RE: Pending Environmental Issues

Good morning, Brad. It doesn't seem necessary given the way your message is worded for me to respond. Would you like me to 'reply all' with an acknowledgment from Ecology?

Joe Hickey
Brownfields and Voluntary Cleanup Program Coordinator, Washington State Department of Ecology, Northwest Regional Office 425-649-7202, fax -7098 -----Original Message-----
From: Brad Nelson [mailto:nelson@ci.snohomish.wa.us]
Sent: Wednesday, October 18, 2006 2:28 PM
To: Brad Nelson; May, Debra
Cc: White, Dee; Hickey, Joe (ECY); Larry Bauman; Kandace Harvey; Corbitt Loch
Subject: Pending Environmental Issues

Good Afternoon Dee:

1.) Department of Ecology VCP - I called Joe Hickey after we talked to determine how Department of Ecology will communicate their decision about our voluntary cleanup program application based on the supplemental report data dealing with PaCH's. Joe communicated that their letter of September 26, 2006 that communicates the City's plan meets the requirements for VCP is their decision. DOE would prefer not to issue a secondary letter until the cleanup activities outlined in the plan and the deed restrictions are completed. I have included Joe Hickey with this email so if you have any questions you have his contact information. Joe telephone number is 425.649.7202.

2.) SEPA Determination - The City Director of Planning and Community Development has issued a SEPA determination.

I will bring you a copy of the SEPA, DOE letter, HWA Voluntary Cleanup Plan, and the Supplemental Report on PaCH's today for your review.
Thank you in advance for your assistance. If you have any questions, please give me a call.

-Brad-

CITY OF SNOHOMISH
PLANNING AND DEVELOPMENT SERVICES

DETERMINATION OF NON-SIGNIFICANCE (DNS)

DESCRIPTION OF PROPOSAL: Approval of an Administrative Development Plan for the construction of a 5,980 square-foot Senior Center building with 31 off-street parking spaces.

NAME AND LOCATION OF PROPOSAL: 500 Fourth Street, Snohomish, Washington

LEAD AGENCY: City of Snohomish

FILE NUMBER: 06-08-DNS

PROPONENTS:		CONTACT:
Snohomish Seniors 171 Cypress Snohomish, WA 98290		Robert Hart/Kandace Harvey 2380 Squak Mountain Loop SW Issaquah, WA 98027 206-300-3100

THRESHOLD DETERMINATION: The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of a completed environmental checklist and other information on file with the City of Snohomish. This information is available for review at the Snohomish City Hall, 116 Union Avenue, Snohomish, WA 98290 between the hours of 9:00 a.m. and 5:00 p.m. Monday through Friday, excluding holidays.

( ) There is no comment period for the DNS.

( ) This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on this DNS.

(X) This DNS is issued under 197-11-340(2); the lead agency will not act on this proposal for 15 days from the date of issuance specified below.

Date of Issuance: October 17, 2006

RECEIVED
OCT 18 2006
DEPT OF ECOLOGY

Comments and/or appeals must be submitted by: 5:00 p.m., November 1, 2006

Responsible Official: Corbitt Loch
Position/Title: Planning Director **Phone:** (360) 568-3115
Address: City of Snohomish, 116 Union Avenue, Snohomish, WA 98290

Signature: Corbitt Loch

APPEALS:
Appeals of this SEPA threshold determination must be filed in writing with the City Clerk for the City of Snohomish by 5:00 p.m. on November 1, 2006. Appeals must be made in accordance with the provisions of chapter 14.10 SMC and SMC 14.45.200. A $500 appeal fee must be filed with the appeal. Appeals must be in writing and received as original documents by the close of the appeal period. Fax, e-mail and similar forms of document transmission shall not be accepted and shall not be considered as meeting the filing requirements. Appeals must state the section of the SMC being appealed, the specific determination or mitigation being appealed and the form of relief requested.

NOTICE OF DEVELOPMENT APPLICATION and SEPA DETERMINATION

Name of Applicant: Snohomish Seniors

Date of Application: October 12, 2006

Project Location: 500 Fourth Street

Environmental Documents: SEPA Checklist
Geotechnical Report and Wetland Report

Project Description: Approval of an Administrative Development Plan for the construction of a 5,980 square-foot Senior Center building with 31 off-street parking spaces.

Date of Notice: October 17, 2006

Proponent: Snohomish Seniors

Lead Agency: The City of Snohomish Planning and Development Services

Written comments may be submitted by **5 P.M. November 1, 2006**, to the Planning and Development Services Department at 116 Union Avenue, Snohomish, Washington 98290

Public Hearing Date: No public hearing will be held.
The public comment period for this application is fifteen days from the date of this notice.

For Information Contact:
Corbitt Loch, Planning Director
(360) 568-3115

THRESHOLD DETERMINATION

The lead agency of this proposal has determined that it does NOT have a probable significant adverse impact on the environment. An Environmental Impact Statement is NOT REQUIRED under RCW 43.21C.030(2)(c). This decision was made after review of a completed Environmental Checklist and other information on file with the lead agency. This information is available to the public upon request.

Conditions being considered that require mitigation: Information available by contacting the Planning and Development Services Department.

The DNS may be appealed pursuant to the requirements of Section 14.10 SMC and SMC 14.45.200. Any appeal must be addressed to the City of Snohomish Hearing Examiner and must be filed in writing with the Snohomish City Clerk accompanied with a filing fee of $500 by:

5 P.M. on November 1, 2006

HWA GEOSCIENCES INC.
Geotechnical & Pavement Engineering · Hydrogeology · Geoenvironmental · Inspection & Testing

October 2, 2006
HWA Project No. 2006-032-22

City of Snohomish
116 Union Avenue
Snohomish, WA 98290

Attention: Brad Nelson

Subject: **SUPPLEMENTAL SOIL SAMPLING**
VOLUNTARY CLEANUP PROGRAM SITE #NW1672
4th Street and Maple Avenue, Parcel No. 28061800207800
Snohomish, Washington

Dear Mr. Nelson,

Per your request, and based on conversations with Joe Hickey of the Washington Department of Ecology (Ecology) HWA GeoSciences, Inc. (HWA) completed limited supplemental soil sampling at the above parcel in Snohomish, Washington. This work was prepared to supplement HWA's Phase II Environmental Site Assessment and Geotechnical Engineering Evaluation (HWA, 2006) in support of the City of Snohomish Voluntary Cleanup Program Site #NW1672.

SUBSURFACE CONDITIONS SUMMARY

Based on the test pits completed at the site (HWA, 2006), surficial soils consisted of fill material. This material was primarily dark gray to black silty sand; however, the fill contained a significant amount of apparent cinder or burned material and some construction debris (brick), possibly associated with railroad activities at the site. This fill ranged in thickness from 1¼ feet at the southwestern corner of the site, to a maximum observed thickness of four feet in the northeastern portion of the site. The burned material appeared to be limited to the northern and eastern portion of the site, and was not observed in test pits TP-1, TP-2, and TP-7.

Underlying the fill material is a yellowish gravelly silt layer. The silt may be fill, or may be associated with the underlying alluvial materials, such as a terrace deposit. The silt ranged from approximately one foot to three feet in thickness. The silt did not appear to be present, or was very thin, along the west-central portion of the site.

Alluvial sands and gravels were observed at depths of 2.5 to four feet in seven of eight test pits. Alluvial sands consisted of coarse poorly-graded sand with gravel. Oxidation

19730 - 64th Avenue W.
Suite 200
Lynnwood, WA 98036.5957

Tel: 425.774.0106
Fax: 425.774.2714
www.hwageosciences.com

on soil particles was observed. The sidewalls of the test pits often exhibited sloughing or caving at depths of six feet below ground surface (bgs). Test pit TP-5, in the northern portion of the site, did not encounter any sand to a depth of seven feet. Test pits were typically bottomed at six to eight feet bgs. Ground water was not encountered in any of the test pits.

SUPPLEMENTAL SAMPLING

On September 26, 2006, HWA collected three shallow soil samples at previous test pit locations (Figure 1) to assess the presence or absence of carcinogenic Polycyclic Aromatic Hydrocarbons (cPAHs). The depth of sampling was based upon subsurface observations during the previous investigation at the site (HWA, 2006). The sample locations were based upon previous site observations, thickness of fill, and proposed site development activities. Location TP-4 was located in the central portion of the site, where a residence building and paved parking is proposed. Location TP-5 was located at the north end of the property where the observed fill thickness was greatest. Location TP-8 was located at the south end of the property where an activity center building is proposed.

Soil samples were collected with a hand auger at each location. Fill soil samples were transferred to laboratory-provided glassware, placed in a cooler with "blue ice" and transferred under chain-of-custody protocol to the analytical laboratory. The hand auger was decontaminated between sampling locations by washing in a dilute Alconox solution and rinsing with de-ionized water.

The samples were submitted to CCI Analytical of Everett, Washington, an Ecology-accredited analytical laboratory for analysis of cPAHs by EPA Method 8270-SIM.

Table 1 presents the results of the shallow soil sampling at the site. The laboratory report is attached as Attachment A.

TABLE 1
SOIL ANALYTICAL RESULTS
(All values in milligrams per kilogram)

Sample	TP-4-2	TP-5-3	TP-8-1.5
Depth (feet)	1'-2'	2'-3'	1'-1.5'
Sample Description	Dark brown to dark gray silty sand and gravel fill with debris and burned material	Dark gray silty gravel fill with debris and burned material	Dark gray to black silty gravel with debris and burned material
Benzo(a) anthracene	**0.52**	**0.18**	0.02
Chrysene	**0.80**	**0.28**	0.03
Benzo(b) fluoranthene	**0.71**	**0.25**	<0.02
Benzo(k) fluoranthene	**0.50**	**0.18**	<0.02
Benzo(a) pyrene	**0.49**	**0.22**	<0.02
Ideno(1,2,3-cd) pyrene	**0.34**	**0.16**	<0.02
Dibenz(a,h) anthracene	**0.15**	0.07	<0.02
Total cPAHs	**3.51**	**1.34**	0.05
MTCA-A	0.1 (Total cPAHs as Benzo(a)pyrene)		

MTCA – Model Toxics Cleanup Act (WAC 173-360)
< - not detected at reporting limits
Bold – Exceeds MTCA-A cleanup level

CONCLUSIONS

Polycyclic aromatic hydrocarbons were detected at all three sampled locations. The total cPAH concentrations at locations TP-4 and TP-5 exceeded MTCA Method A cleanup limits. The total cPAH concentrations at location TP-8 were low, and did not exceed the cleanup limits. The occurrence of cPAHs at the subject property is likely due to the presence of burned material or treated wood within fill used at the subject property. Based on HWA's previous investigation (HWA, 2006), petroleum hydrocarbons were not detected in fill soil samples collected at the site.

Based on the existing development plan at the site, we understand The City of Snohomish plans to remove fill soils in selected areas for geotechnical reasons (i.e., where not structurally suitable) such as building footprints, underground utilities, and infiltration facilities. Remaining areas containing fill soils will be capped with asphalt pavement or buildings. The City of Snohomish will also implement a restrictive covenant on the property to ensure the capping is maintained and contaminated soils are not disturbed without notification of Ecology. These actions will remove and/or prevent contact with the fill materials at the site and are protective of human health and the environment.

We appreciate the opportunity to provide professional services on this project. Please feel free to call us if you have any questions or need more information.

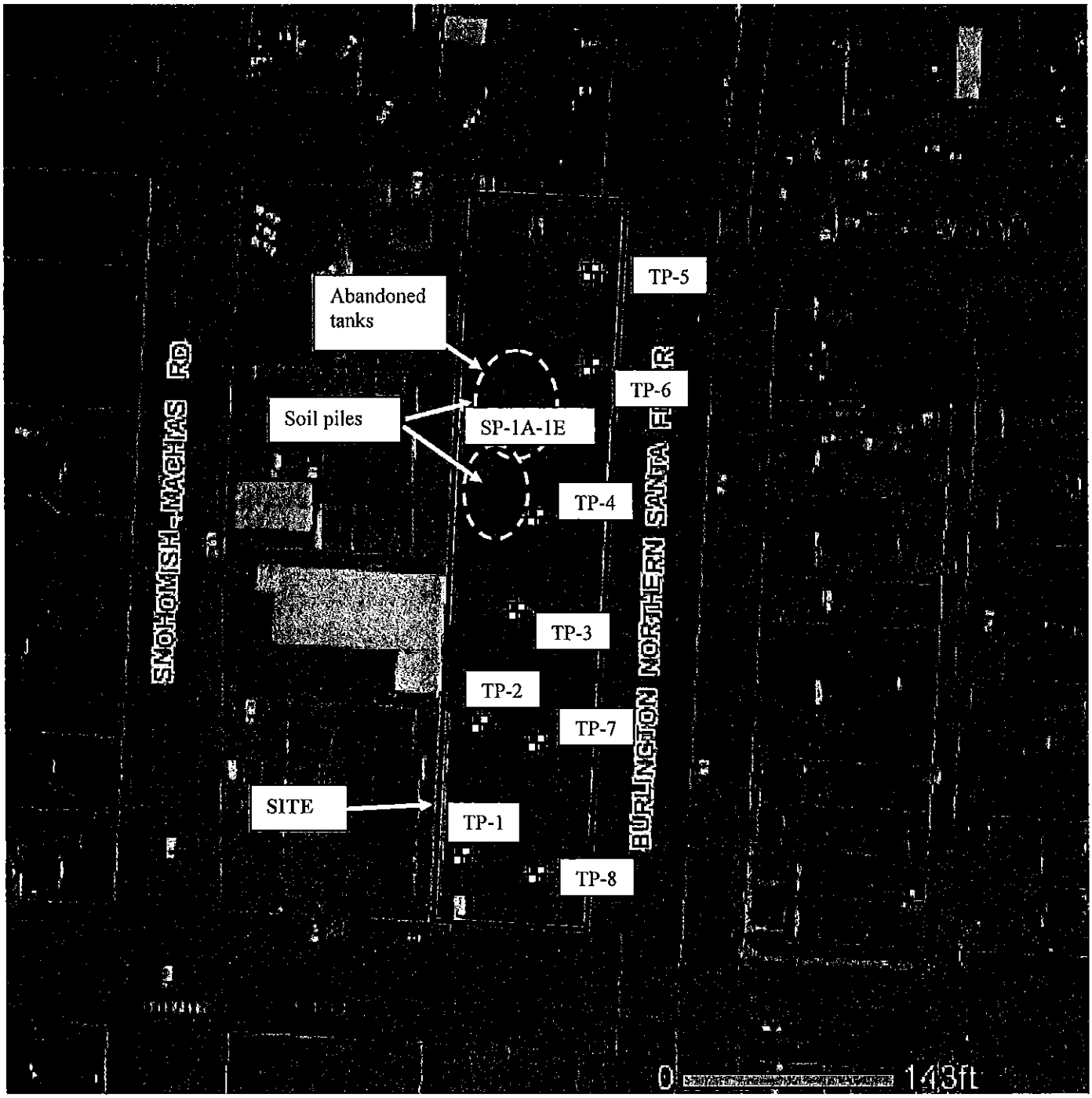
Sincerely,

HWA GeoSciences Inc.

Vance Atkins, LG, LHG
Senior Hydrogeologist

Arnie Sugar, LG, LHG
Vice President

Attachment A: Laboratory Analytical Report



NORTH

Image from Snohomish County Online Property Information

Test pit locations (cPAH sample locations highlighted)

HWA GeoSciences Inc.

SITE EXPLORATION MAP

4TH STREET & MAPLE AVENUE
SNOHOMISH, WASHINGTON

FIGURE NO.
1

PROJECT NO.
2006-32-22

CCI
ANALYTICAL
LABORATORIES, INC

CERTIFICATE OF ANALYSIS

CLIENT: HWA GEOSCIENCES
19730 64TH AVE. W. SUITE 200
LYNNWOOD, WA 98036

DATE: 9/29/2006
CCIL JOB #: 0609139
DATE RECEIVED: 9/26/2006
WDOE ACCREDITATION #: C142

CLIENT CONTACT: VANCE ATKINS
CLIENT PROJECT ID: SNOHOMISH 2006-032
CLIENT SAMPLE ID: 9/26/2006 12:00 TP-8-1.5
CCIL SAMPLE # -01

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Benzo(a)anthracene	EPA-8270 SIM	0.02	MG/KG	9/28/2006	RAL
Chrysene	EPA-8270 SIM	0.03	MG/KG	9/28/2006	RAL
Benzo(b)fluoranthene	EPA-8270 SIM	ND(<0.02)	MG/KG	9/28/2006	RAL
Benzo(k)fluoranthene	EPA-8270 SIM	ND(<0.02)	MG/KG	9/28/2006	RAL
Benzo(a)pyrene	EPA-8270 SIM	ND(<0.02)	MG/KG	9/28/2006	RAL
Indeno(1,2,3-cd)pyrene	EPA-8270 SIM	ND(<0.02)	MG/KG	9/28/2006	RAL
Dibenz(a,h)anthracene	EPA-8270 SIM	ND(<0.02)	MG/KG	9/28/2006	RAL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC

CERTIFICATE OF ANALYSIS

CLIENT: HWA GEOSCIENCES
19730 64TH AVE. W. SUITE 200
LYNNWOOD, WA 98036

DATE: 9/29/2006
CCIL JOB #: 0609139
DATE RECEIVED: 9/26/2006
WDOE ACCREDITATION #: C142

CLIENT CONTACT: VANCE ATKINS
CLIENT PROJECT ID: SNOHOMISH 2006-032
CLIENT SAMPLE ID: 9/26/2006 12:30 TP-4-2
CCIL SAMPLE # -02

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Benzo(a)anthracene	EPA-8270 SIM	0.52	MG/KG	9/28/2006	RAL
Chrysene	EPA-8270 SIM	0.80	MG/KG	9/28/2006	RAL
Benzo(b)fluoranthene	EPA-8270 SIM	0.71	MG/KG	9/28/2006	RAL
Benzo(k)fluoranthene	EPA-8270 SIM	0.50	MG/KG	9/28/2006	RAL
Benzo(a)pyrene	EPA-8270 SIM	0.49	MG/KG	9/28/2006	RAL
Indeno(1,2,3-cd)pyrene	EPA-8270 SIM	0.34	MG/KG	9/28/2006	RAL
Dibenz(a,h)anthracene	EPA-8270 SIM	0.15	MG/KG	9/28/2006	RAL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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LYNNWOOD, WA 98036

DATE: 9/29/2006
CCIL JOB #: 0609139
DATE RECEIVED: 9/26/2006
WDOE ACCREDITATION #: C142

CLIENT CONTACT: VANCE ATKINS
CLIENT PROJECT ID: SNOHOMISH 2006-032
CLIENT SAMPLE ID: 9/26/2006 12:50 TP-5-3
CCIL SAMPLE # -03

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ANALYSIS DATE	ANALYSIS BY
Benzo(a)anthracene	EPA-8270 SIM	0.18	MG/KG	9/28/2006	RAL
Chrysene	EPA-8270 SIM	0.28	MG/KG	9/28/2006	RAL
Benzo(b)fluoranthene	EPA-8270 SIM	0.25	MG/KG	9/28/2006	RAL
Benzo(k)fluoranthene	EPA-8270 SIM	0.18	MG/KG	9/28/2006	RAL
Benzo(a)pyrene	EPA-8270 SIM	0.22	MG/KG	9/28/2006	RAL
Indeno(1,2,3-cd)pyrene	EPA-8270 SIM	0.16	MG/KG	9/28/2006	RAL
Dibenz(a,h)anthracene	EPA-8270 SIM	0.07	MG/KG	9/28/2006	RAL

* "ND" INDICATES ANALYTE ANALYZED FOR BUT NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES.

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

APPROVED BY:

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CLIENT CONTACT: VANCE ATKINS
CLIENT PROJECT ID: SNOHOMISH 2006-032

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	METHOD	SUR ID	% RECV
0609139-01	EPA-8270 SIM	Terphenyl-d14	101
0609139-02	EPA-8270 SIM	Terphenyl-d14	85
0609139-03	EPA-8270 SIM	Terphenyl-d14	95

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

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DATE: 9/29/2006
CCIL JOB #: 0609139
DATE RECEIVED: 9/26/2006
WDOE ACCREDITATION #: C142

CLIENT CONTACT: VANCE ATKINS
CLIENT PROJECT ID: SNOHOMISH 2006-032

QUALITY CONTROL RESULTS

BLANK RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	RESULT	UNITS
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Benzo(a)anthracene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Chrysene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Benzo(b)fluoranthene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Benzo(k)fluoranthene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Benzo(a)pyrene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Indeno(1,2,3-cd)pyrene	ND(<0.02)	MG/KG
EPA-8270 SIM	Soil	PAH092506	0609139 -01 to 03	Dibenz(a,h)anthracene	ND(<0.02)	MG/KG

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

CCI
ANALYTICAL
LABORATORIES, INC

CERTIFICATE OF ANALYSIS

CLIENT: HWA GEOSCIENCES
19730 64TH AVE. W. SUITE 200
LYNNWOOD, WA 98036

DATE: 9/29/2006
CCIL JOB #: 0609139
DATE RECEIVED: 9/26/2006
WDOE ACCREDITATION #: C142

CLIENT CONTACT: VANCE ATKINS
CLIENT PROJECT ID: SNOHOMISH 2006-032

QUALITY CONTROL RESULTS

SPIKE/SPIKE DUPLICATE RESULTS

METHOD	MATRIX	QC BATCH ID	ASSOCIATED SAMPLES	ANALYTE	SPIKE RECOVERY	SPIKE DUP RECOVERY	RPD
EPA-8270 SIM	Soil	PAH092506	0609139-01 to 03	Naphthalene	87 %	98 %	12
EPA-8270 SIM	Soil	PAH092506	0609139-01 to 03	Acenaphthene	85 %	97 %	13
EPA-8270 SIM	Soil	PAH092506	0609139-01 to 03	Pyrene	100 %	123 %	21
EPA-8270 SIM	Soil	PAH092506	0609139-01 to 03	Benzo(ghi)perylene	98 %	114 %	15

APPROVED BY:

8620 Holly Drive Suite 100 Everett, WA 98208 425 356-2600 FAX 425 356-2626 Seattle 206 292-9059

HWA GEOSCIENCES INC.
19730 64th Ave. W., Suite 200, Lynnwood, WA 98036 (425)774-0106
~~4500 Kruse Way, Suite 300, Lake Oswego, OR 97035 (503)675-2424~~

Chain of Custody and Laboratory Analysis Request

DATE: 9/22/06
PAGE: 1 of 1

PROJECT NAME: Snohomish #: 2006-032
SITE CODE:
SAMPLERS NAME: Wade Atkins PHONE:
SAMPLERS SIGNATURE:
HWA CONTACT: Sam E. PHONE:

HWA SAMPLE ID	DATE	TIME	MATRIX	LAB ID	# OF BOTTLE	c PAHs	REMARKS
TP-8-1.5	9/22/06	1200	Soil		1	X	3-Day TAT
TP 4-2	9-22-06	1230	"			X	
TP-3	9/22/06	1130	"			X	

PRINT NAME	SIGNATURE	COMPANY	DATE	TIME	REMARKS
Relinquished by: Wade Atkins		HWA	9/22/06	1130	
Received by:		CCTA	9/22/06	1145	
Relinquished by:					
Received by:					

HWA GEOSCIENCES INC.
Geotechnical & Pavement Engineering • Hydrogeology • Geoenvironmental • Inspection & Testing

September 26, 2006

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

Attn: Joe Hickey

Subject: **DEPTH TO GROUNDWATER CLARIFICATION**
VOLUNTARY CLEANUP PROGRAM SITE # NW1672
4th Avenue and Maple Streets, Parcel No. 28061800207800
Snohomish, Washington

Dear Mr. Hickey,

Per your request for additional information regarding the above site, HWA has prepared this brief memo clarifying our understanding of the approximate depth to ground water at the above site (Figure 1).

During HWA's recent Geotechnical and Limited Phase II investigation at the site (HWA, 2006), test pits were completed to depths of up to eight feet below ground surface (bgs). Ground water was not encountered during this investigation. Ground water at the Snohomish Library site (adjacent and south of the subject site, and at a similar topographic elevation) was not encountered during construction and remediation to a depth of approximately ten feet bgs. HWA also reviewed well logs available on the Department of Ecology's database for local well records. Specific records were not cited in the report, but a *minimum* depth to ground water of 20 feet was estimated for geotechnical purposes.

HWA assisted the City of Snohomish in preparation of the VCP application. As part of a cover letter provided with the application, an approximate depth to ground water at the site was estimated to be approximately 50 feet. This value is based upon a well log (Northern Pacific Railway Co., 1960) on file with Ecology. The well log indicates dry gravel to a depth of 55 feet, with depth to ground water of over 51 feet below grade. This well is approximately 700 feet south of and at a similar topographic elevation to the project site, as it is along the same railway. A copy of the well log is attached for your reference, and the approximate location of the well with respect to the subject property is depicted on Figure 1.

19730 - 64th Avenue W.
Suite 200
Lynnwood, WA 98036.5957

Tel: 425.774.0106
Fax: 425.774.2714
www.hwageosciences.com

September 26, 2006
HWA Project No. 2006-032-22

Please feel free to contact us with any questions, or if you require any further information regarding this application and project at (425) 774-0106.

Sincerely,

HWA GEOSCIENCES INC.

Vance Atkins, LG, LHG
Senior Hydrogeologist

Arnie Sugar, LG, LHG
Vice President

Attachments:
Figure 1 – Site Location Map
Northern Pacific Railway Co. well log, 1960

Cc: Brad Nelson, City of Snohomish

Image from Snohomish County Online Property Information

NORTH

HWA GEOSCIENCES INC.

SITE LOCATION MAP

4TH STREET & MAPLE AVENUE
SNOHOMISH, WASHINGTON

FIGURE NO.
1

PROJECT NO.
2006-032

STATE OF WASHINGTOI
DEPARTMENT OF CONSERVATION AND DEVELOPMENT

WELL LOG No A.5555:C.4150-

Date 3-19 , 19 62

Record by well driller

Source driller's record

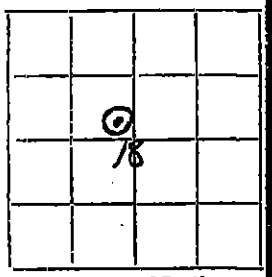

Diagram of Section

Location State of WASHINGTON

County Snohomish

Area

Map

¼ ¼ sec 18 T 28 N, R 6 E W

Drilling Co. A. G. Kounkel

Address Stanwood, Wash.

Method of Drilling Date May 10 , 19 60

Owner Northern Pacific Ry. Co.

Address St. Paul, Minn.

Land surface, datum ft above below

CORRELATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)
	(Transcribe driller's terminology literally but paraphrase as necessary in parentheses If material water bearing so state and record static level if reported Give depths in feet below land surface datum unless otherwise indicated Correlate with stratigraphic column, if feasible Following log of materials list all casings perforations screens etc)		
	Clay	10	10
	Dry gravel	45	55
	Coarse gravel- little sand	45	100
	PUMP TEST:		
	Dim. 8"x100'		
	SWL: 51 ft. (5-10-60)		
	DD: 10 ft.		
	Yield: 450 g.p.m.		
	~~Type & size of pump: Turbine~~		
	~~Type & size of motor or engine: 40 h~~		
	Water Temp. 50°		
	Full recovery in 2 min.		
	CASING:		
	8" diam. from 0 to 80 ft.		
	PERFORATIONS:		
	~~#40 well screen from 80 to 90 ft.~~		
	~~#60 90 to 100 ft.~~		

Turn up Sheet of sheets

HWA GEOSCIENCES INC.

19730 - 64th Ave. West, Suite 200
Lynnwood, WA 98036-5957
Tel 425-774-0106
Fax 425-774-2714
www.hwageo.com

TRANSMITTAL

TO: Washington Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, Washington 98008-5452

DATE: September 26, 2006

HWA PROJECT NO: 2006-032-22

ATTN: Mr. Joe Hickey

RE: 4th Avenue & Maple Streets - Parcel No. 28061800207800 - Snohomish, Washington

WE ARE SENDING YOU THE FOLLOWING ITEMS:

DATE	COPIES	DESCRIPTION
9/26/06	1	Depth to Groundwater Clarification Voluntary Cleanup Program Site #NW1672

THESE ARE TRANSMITTED: ☐ *FOR YOUR INFO INFORMATION* ☐ *FOR YOUR ACTION SPECIFIED BELOW* ☐ *FOR REVIEW AND COMMENT* ☒ *AS REQUESTED*

REMARKS

BY: Chrissi Fisk for
Vance Atkins, L.G., L.H.G.

TITLE: Senior Hydrogeologist

COPIES TO: City of Snohomish - Brad Nelson

Cleanup/Decision Summary

Site Name:

FS ID #: 6033548 **VCP #:** 1672

Site Decision (attach letters): plan is likely to meet subst. req.

1. **Site Description (include site address with street, city, and county; physical description; current and historical uses of site; etc.):**
   506 4th St. Snoho. Co. currently vacant
   Snohomish former rail siding & switch yard
   WA
2. **Describe affected media (soil, groundwater, surface water, sediment, air):**
   petroleum cont. soil in piles
   lead in soil (fill)
3. **Cleanup method used:** to be

   ☐ **Method A**
   ☐ **Method B (Attempted to utilize Method B Worksheet)**
   ☒ **Method C** restrictive covenant

4. **Describe cleanup activities (for each media) and if contamination remains on-site (including conformational sampling/analysis, points of compliance, etc...):**
   the plan is to remove the stockpiled PCS and CAP the lead contaminated fill, then file a restrictive covenant
5. **Describe restrictive covenant (e.g., contamination remains under structure, groundwater restrictions, 5-year review):**
   there will be a cap - parking lot and structure
6. **Indicate if site to be delisted and EEOS contact (only for HSL sites):**
   not ranked

Signature, Title, and Date — Reviewer 9-26-06

Signature, Title, and Date — VCP Unit Supervisor 9/27/06

Signature, Title, and Date

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

September 26, 2006

Brad Nelson, Director
Support Services, City of Snohomish
116 Union Avenue
Snohomish, WA 98290

Re: Opinion under WAC 173-340-515(5) on Proposed Cleanup Action for the following Hazardous Waste Site:

- Name: 506 4th Street (Senior Center)
- Address: 506 4th Street, Snohomish, Washington
- Facility/Site No.: 8033548
- VCP No.: NW1672

Dear Mr. Nelson:

Thank you for submitting documents regarding your proposed cleanup action for the 506 4th Street (Senior Center) facility (Site) for review by the Washington State Department of Ecology (Ecology) under the Voluntary Cleanup Program (VCP). Ecology appreciates your initiative in pursuing this administrative option for cleaning up hazardous waste sites under the Model Toxics Control Act (MTCA), Chapter 70.105D RCW.

This letter constitutes an advisory opinion regarding whether your proposed cleanup action is likely to be sufficient to meet the substantive requirements of MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC. Ecology is providing this advisory opinion under the specific authority of RCW 70.105D.030(1)(i) and WAC 173-340-515(5).

This opinion does not resolve a person's liability to the state under MTCA or protect a person from contribution claims by third parties for matters addressed by the opinion. The state does not have the authority to settle with any person potentially liable under MTCA except in accordance with RCW 70.105D.040(4). The opinion is advisory only and not binding on Ecology.

Ecology's Toxics Cleanup Program has reviewed the following information regarding your proposed cleanup action and, as applicable, any remedial actions previously conducted at the Site:

1. *Voluntary Cleanup Program Application* letter and cleanup proposal dated August 25, 2006, by HWA Geosciences, Inc.

2. *Phase II Environmental Site Assessment and Geotechnical Engineering Report*, dated May 17, 2006, by HWA Geosciences, Inc.

The reports listed above will be kept in the Central Files of the Northwest Regional Office of Ecology (NWRO) for review by appointment only. Appointments can be made by calling the NWRO resource contact at 425-649-7190.

The Site is defined by the extent of contamination caused by the following release(s):

- petroleum in soil (stockpiled);
- lead in soil (fill).

The Site is more particularly described in Enclosure A to this letter, which includes a detailed Site diagram. The description of the Site is based solely on the information contained in the documents listed above.

Based on a review of your proposed cleanup action and supporting documentation listed above, **Ecology has determined that the proposed cleanup action is likely to be sufficient to meet the substantive requirements contained in MTCA and its implementing regulations, Chapter 70.105D RCW and Chapter 173-340 WAC, for characterizing and addressing the contamination at the Site.** Additional characterization at the site has been requested by Ecology regarding sampling and testing for polyaromatic hydrocarbons in the soil, and the depth from the ground surface to groundwater.

However, please note that this opinion does not represent a determination by Ecology that no further remedial action will be required at the Site. To obtain such a determination, you must submit an independent remedial action report to Ecology upon completion of the cleanup action and request such an opinion under the VCP.

Please also note that this opinion is based solely on the information contained in the documents listed above. Therefore, if any of the information contained in those documents is materially false or misleading, then this opinion will automatically be rendered null and void.

The state, Ecology, and its officers and employees make no guarantees or assurances by providing this opinion, and no cause of action against the state, Ecology, its officers or employees may arise from any act or omission in providing this opinion.

Again, Ecology appreciates your initiative in conducting independent remedial action and requesting technical consultation under the VCP. As the cleanup of the Site progresses, you may request additional consultative services under the VCP, including assistance in identifying applicable regulatory requirements and opinions regarding whether remedial actions proposed for or conducted at the Site meet those requirements. Please contact me at 425-649-7202 if you have any questions regarding this opinion.

Sincerely,

Joseph M. Hickey
NWRO Toxics Cleanup Program

JH: jh

Enclosures: 1

Hickey, Joe (ECY)

From: Hickey, Joe (ECY)
Sent: Thursday, September 21, 2006 1:13 PM
To: 'Brad Nelson'; Arnie Sugar; Larry Bauman
Cc: Vance Atkins; Robert Hart; Kandace Harvey; Karen Charnell
Subject: RE: 4th & Maple DOE Request

Thanks Brad. I would just clarify that the proposed remedy of capping with restrictive covenant is likely (perhaps even extremely likely) to address any PAHs discovered; but there are no guarantees here. The additional information is needed to be able to make a decision based on actual knowledge, and have the justification available in the file for the future.

Also, Brad, I neglected to discuss this with you but did with Bob, if it makes more sense to do this additional work at a later time, for instance when out at the site to remove the soil piles, I can write an opinion letter now that approves the current plan but mentioning the additional information that is still needed. Or, you can get the information before I write the opinion letter agreeing with the plan.

Joe Hickey
Brownfields and Voluntary Cleanup Program Coordinator,
Washington State Department of Ecology,
Northwest Regional Office
425-649-7202, fax -7098

From: Brad Nelson [mailto:nelson@ci.snohomish.wa.us]
Sent: Thursday, September 21, 2006 10:42 AM
To: Brad Nelson; Arnie Sugar; Larry Bauman; Hickey, Joe (ECY)
Cc: Vance Atkins; Robert Hart; Kandace Harvey; Karen Charnell
Subject: RE: 4th & Maple DOE Request

Good Morning Arnie:

I hope you are well. I returned a call from Joe Hickey this morning regarding the status of his review of our application into the VCP program. Joe has been very kind to adjust his schedule to review our application. Based on his review, he has two outstanding issues or questions. I am cc'ing Joe and Bob Hart on this email, so they can add any professional clarifications to my communication.

1.) Poly Aromatic Hydrocarbons (PAH) - Joe has asked is we have any data on the presence of PAH's at the site given the layer of burned material layer. If we do not have this data, can you let me know how much money it would cost and how quick you can gather the samples at the to address Joe's concerns. As I understand it from Joe, the plan to cap the area with a deed covenant would be an acceptable plan to address any PAH's at the site.

2.) Depth of Ground Water – Joe is unclear from the report about the differing depths of ground water reported – one cite has ground water at 50' and at another cite its is deeper or around than 20'. If my memory serves me correctly these figures are based on two historical documents about the depth of ground water in the vicinity of the property. Rather than trust my memory, would you be so kind as to drop Joe a note clarifying these references.

Thank you everyone for all your help and prompt assistance with this project. We really appreciate your

endeavors.

-Brad-

-----Original Message-----
From: Brad Nelson
Sent: Wednesday, July 19, 2006 3:08 PM
To: 'Arnie Sugar'
Cc: Vance Atkins
Subject: RE: 4th & Maple Proposal Project

Arnie:

I received CC authorization to proceed with this next phase to develop a VCP plan and remediation monitoring for $8,426. Can you please send me a scope of work so I can attach it to a purchase order and we can get started. Also, I would like to talk in some depth about our assurance level about toxicity issues at the building site and below ground storm water retention area.

Thanks
-Brad-

-----Original Message-----
From: Arnie Sugar [mailto:ASugar@hwageo.com]
Sent: Friday, July 07, 2006 3:23 PM
To: Brad Nelson
Cc: Vance Atkins
Subject: RE: 4th & Maple Proposal Project

Brad:

HWA can provide assistance with cleanup plans and Voluntary Cleanup Program (VCP) application support, with the goal of obtaining No Further Action (NFA) status and a Remedial Action Grant.

As we discussed, there is no identified source of contamination other than the contaminated soil stockpile. The fill soils likely have elevated metals concentrations throughout the site, but we would need further testing on much closer spacing to confirm this and develop an estimate of the volume of soil exceeding cleanup levels. We therefore recommend an initial meeting with Ecology to propose a conceptual approach including:

- Removing the petroleum contaminated soils stockpile and tanks, followed by confirmation sampling
- Capping fill soils with elevated lead concentrations under pavement or buildings
- Implementing a deed restriction on the property (example attached)

If Ecology approves the approach, we can proceed with VCP application materials and remediation planning. The attached spreadsheet summarizes estimated costs through remediation, not including the remediation itself. HWA can also assist with contractor

selection, or preparation of remediation bid specifications (not included in the attached cost estimate), if a public bid is required.

We can prepare a formal proposal upon request, perhaps after the meeting with Ecology. Please feel free to call us if you have any questions or need more information.

Arnie Sugar, LG, LHG
Vice President
HWA GeoSciences Inc
19730 64th Avenue West, Suite 200
Lynnwood, Washington 98036-5957
Office: 425.774.0106 (extension 227)
Fax: 425.774.2714
www.hwageo.com

From: Brad Nelson [mailto:nelson@ci.snohomish.wa.us]
Sent: Monday, July 03, 2006 4:12 PM
To: Brad Nelson; Arnie Sugar
Cc: Larry Bauman; Karen Charnell
Subject: RE: 4th & Maple Proposal Project

Good Afternoon Arnie:

I spoke with the State of Washington Department of Ecology on Friday regarding the notice we mailed them for the property at 506 Fourth Street. In our discussions, we talked about the ability for the City to apply for clean-up funds to assist. DOE staff communicated that these grants were part of the voluntary cleanup program and required clean-up to the extent that DOE would issue a letter of no further action. When we discussed the lead issues, DOE would not provide a recommendation of a course of actions or confirm the level of clean-up required to receive a letter of no further action, but said they would review the recommendations of the City's plan.

DOE said typically private sector firms hire consultants to prepare the clean-up plan. Is this a type of work HWA can perform? And if so, what would be required for us to develop a scope of work, what would be your estimated costs to develop the scope, and the timelines for completing to work. If HWA does not perform the plan development, do you know what firms might?

Thanks for your consideration Arnie, we appreciate your help.
-Brad-

Snohomish Seniors
PO Box 1426
Snohomish WA 98291
360-568-0934

August 31, 2006

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DEPT. OF ECOLOGY

Mr. Dale Myers
Washington Department of Ecology
3190 160th Ave SE
Bellevue WA 98008-5452

Dear Mr. Myers,

You recently received an application for the Voluntary Cleanup Program from the City of Snohomish for the City owned property at 506 Fourth Street. Snohomish Seniors is working in partnership with the City of Snohomish to develop a new Senior Center on this parcel and we are writing to urge early assignment of a reviewer for this application.

Snohomish Seniors has been working with the City on the Senior Center project for two years. Fundraising for the new Center has been underway since 2004 and we have received cash and in-kind donations, grants, pledges and a bridge loan commitment and are ready to build.

Because of various delays over these last two years, costs of the project have escalated, grant deadlines are approaching, and our operating budget has been heavily taxed due to monthly rental costs we have had to assume for a temporary location for Senior Center activities. Our senior citizens and funders have remained amazingly optimistic in the midst of the delays.

We are now approaching the end of another building season and wish to move forward as quickly as possible. We understand that it may be possible to move the completed application and review process sooner than the anticipated 1-2 month assignment. Your assistance would be greatly appreciated by our senior citizens and funders.

If we can answer any questions regarding this request, please contact the Executive Director, Karen Charnell at 360-568-0934 or director.ssc@verizon.net.

Sincerely,

Kandace Harvey
President, Board of Directors

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

August 30, 2006

Mr. Brad Nelson
City of Snohomish
116 Union Avenue
Snohomish, WA 98290

Dear Mr. Nelson:

Re: Request for Review: Independent Remedial Action
506 4th Street, Snohomish, WA

Thank you for submitting the independent remedial action report(s) for this site for Department of Ecology's (Ecology) review. Ecology appreciates your initiative in pursuing a voluntary cleanup under the Model Toxics Control Act.

This is to acknowledge receipt of your *Application to Request Assistance*. A copy of the *Request* form is enclosed. All correspondence relating to this project should include the site name and a reference to the TCP identification number NW1672.

Ecology will publish a notice in the *Site Register* that we have received the report(s) and of your request for Ecology review of the independent remedial action. The Site Register is a bi-weekly publication regarding sites undergoing cleanup or remedial action throughout the state.

If you have any questions about this letter or the Voluntary Cleanup Program, please do not hesitate to call me at (425) 649-4446 or damy461@ecy.wa.gov.

Sincerely,

Dale Myers

Dale Myers
Voluntary Cleanup Program Administrator

DRM: nr

Enclosure

HWA GEOSCIENCES INC.
Geotechnical Engineering · Hydrogeology · Geoenvironmental Services · Inspection & Testing

August 25, 2006

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

Attn: Dale Myers

Subject: **VOLUNTARY CLEANUP PROGRAM APPLICATION**
4th Avenue and Maple Streets, Parcel No. 28061800207800
Snohomish, Washington

Dear Mr. Myers,

HWA GeoSciences (HWA) is assisting the City of Snohomish in the preparation and application into the Voluntary Cleanup Program (VCP) for the city's property located at 4th Avenue and Maple Street (Parcel No. 28061800207800).

Please find the attached VCP application materials:

- VCP Application Form
- VCP Agreement
- Terrestrial Ecological Evaluation Exclusion Form
- HWA Phase II Environmental Site Assessment & Geotechnical Engineering Report dated May 17, 2006, including site maps

Due to the relatively straightforward approach for site cleanup, this letter, along with the supporting materials listed above, will serve as the cleanup action plan.

Project Summary:

Based on the findings of HWA's site assessment, there are two areas of concern at the subject property: imported fill with elevated lead concentrations, and a petroleum-containing soil (PCS) stockpile.

19730 - 64th Avenue W.
Suite 200
Lynnwood, WA 98036.5957
Tel: 425.774.0106
Fax: 425.774.2714
www.hwageosciences.com

Imported fill

Two of eight test pit soil samples analyzed as part of the environmental site assessment contained lead concentrations exceeding Department of Ecology (Ecology) Model Toxics Control Act (MTCA) cleanup levels. These samples were collected in shallow fills soils that appeared to contain cinder- or slag-like material. Subsequent analyses of samples collected from native soils underlying the fill material did not contain elevated lead concentrations. Other shallow soil samples contained elevated lead concentrations, although the concentrations were below the Method A cleanup level. Based on these results, some of the fill at the site contains elevated lead concentrations; however cleanup level exceedances appear to be limited, and native soils underlying the fill do not appear to contain elevated metals concentrations.

PCS stockpile

Petroleum hydrocarbons were not detected in any of the selected test pit soil samples. Soil samples were collected from stockpiled suspected PCS at the subject property. Two samples contained gasoline-range hydrocarbons above MTCA Method A cleanup levels. Diesel and/or lube oil range petroleum hydrocarbons were also detected in all five samples, but at concentrations below applicable cleanup levels.

Analytical results for the remaining soil samples either did not detect the selected analytes, or the analyte concentrations were below applicable cleanup levels.

Proposed cleanup action

Stockpiled soils

The City of Snohomish plans to remove stockpiled soils impacted with petroleum hydrocarbons, and conduct post removal confirmation sampling in native soils below the stockpile to ensure all soils exceeding MTCA Method A cleanup levels are removed for off site treatment and/or disposal at a licensed facility.

Fill soils

The City of Snohomish plans to remove fill soils in selected areas for geotechnical reasons (i.e., where not structurally suitable) such as building footprints, underground utilities, and infiltration facilities. Remaining areas containing fill soils will be capped with asphalt pavement or buildings. The City of Snohomish will also implement a restrictive covenant on the property to ensure the capping is maintained and contaminated soils are not disturbed without notification of Ecology.

Cleanup Protectiveness

Protectiveness of human health (direct contact and ingestion) will be addressed by the capping and deed restriction. Protectiveness of ground water is addressed below.

Ground water depth. Ground water was not encountered in site explorations to a maximum depth of eight feet below grade. Ground water at the Snohomish Library site (adjacent and south of the subject site, and at a similar topographic elevation) was not encountered during construction and remediation to a depth of approximately ten feet below grade. A well log (Northern Pacific Railway Co., 1960) on file with Ecology indicates dry gravel to a depth of 55 feet, with depth to ground water of over 51 feet below grade. This well is approximately 700 feet south of and at a similar topographic elevation to the project site, as it is along the same railway.

Three phase partitioning HWA calculated soil lead concentrations that could potentially cause a ground water cleanup level exceedance via leaching using the fixed parameter, three phase partitioning model given in WAC 173-340-747 of the MTCA. This method is intended to be protective under most circumstances and conditions, and uses default parameters rather than site-specific measurements for the model. The three-phase partitioning model is described by the following equation:

$$C_s = C_w\,(UCF)\,DF\,[Kd + ((\theta w + \theta a\,H_{cc}) / \rho b)]$$

Where:

- C_s = Soil concentration (mg/kg)
- C_w = Groundwater cleanup level established under WAC 173-340-720 (µg/l)
- UCF = Unit conversion factor (1 mg / 1,000 ug)
- DF = Dilution factor (dimensionless: 20 for unsaturated zone soil)
- Kd = Distribution coefficient (L/kg)
- θw = Water-filled soil porosity (0.3 ml water/ ml soil for unsaturated zone soil)
- θa = Air-filled soil porosity (0.13 ml air/ml soil for unsaturated zone soil)
- H_{cc} = Henry's law constant (dimensionless)
- ρb = Dry soil bulk density (1.5 kg/L)

We used the following assumptions:

- C_w ground water cleanup level = 15 µ/l (MTCA Method A Groundwater cleanup level for lead)
- K_d Distribution coefficient = 10,000 (From MTCA Table 747-3, page 238)
- H_{cc} Henry's law constant = 0 (per subsection 'd', page 187)

to yield a C_s or soil concentration of 3,000 mg/kg. The highest soil lead concentration measured at the site was 700 mg/kg, well below the 3,000 mg/kg required to potentially cause a ground water cleanup level exceedance via leaching.

The distribution coefficient (Kd) for lead is large, indicating low leachability or partitioning with respect to ground water contamination. This equation assumes three-phase partitioning of a contaminant in the unsaturated zone immediately above ground water (saturated zone), and is therefore conservative as it does not account for depth to ground water.

Soil samples collected immediately below samples with elevated lead concentrations had greatly reduced lead concentrations, supporting the conclusion that vertical leaching is not likely.

We appreciate Ecology's assistance in the completion of this project review. If you have any questions or comments, please contact the undersigned at (425) 774-0106.

Sincerely,

HWA GEOSCIENCES INC.

Vance Atkins, LG, LHG
Senior Hydrogeologist

Arnie Sugar, LG, LHG
Vice President

Attachments:
VCP Agreement Form
VCP Application Form
VCP Terrestrial Ecological Evaluation Exclusion Form

CC: Brad Nelson, City of Snohomish

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

APPLICATION FORM

Under the Voluntary Cleanup Program (VCP), the Department of Ecology (Ecology) may provide informal site-specific technical consultations to persons conducting independent remedial actions at a hazardous waste site. Ecology may provide such consultations under the authority of the Model Toxics Control Act (MTCA), Chapter 70.105D RCW, and its implementing regulations, Chapter 173-340 WAC.

To request technical consultations under the VCP, you must submit an application to Ecology. That application must include, at a minimum, the following documents:

- VCP Application Form (including required attachments); ← **THIS DOCUMENT**
- VCP Agreement.

For guidance on how to complete your VCP application, including this Application Form, please refer to the Application Instructions, which are available separately. All of these documents are available for downloading on the VCP web site: http://www.ecy.wa.gov/programs/tcp/vcp/vcpmain.htm.

Part 1 - ADMINISTRATION

Client Information. The "Client" is the person or entity seeking informal site-specific technical consultations from Ecology under the VCP. This person must sign the VCP Agreement and is responsible for payment of those costs incurred by Ecology in providing the requested consultative services. Please enter the required information below.

Name: **Brad Nelson**		Title: **Support Services Dir**
Organization: **City of Snohomish**		
Mailing address: **116 Union Avenue**		
City: Snohomish	State: WA	Zip: 98290
Phone: 360-568-3115	Fax:	E-mail: nelson@ci.snohomish.wa.us

What is the Client's involvement at the Site? Please check all that apply.

- ☒ Property owner
- ☐ Past property owner
- ☐ Future property owner
- ☐ Property lessee
- ☐ Other – please specify: _____
- ☐ Business owner (operator)
- ☐ Mortgage holder
- ☐ Consultant
- ☐ Attorney

If not the current property owner, is the Client acting as the agent for the property owner?

☒ Yes ☐ No

If not the current property owner, is the Client authorized to grant access to the property?

☒ Yes ☐ No

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DEPT OF ECOLOGY

Property Owner Information (if different than Client). If the Client is not the current property owner, please enter the required information below.

Name:		Title:
Organization:		
Mailing address:		
City:	State:	Zip:
Phone:	Fax:	E-mail:

What type of entity is the property owner? Please check only one.

- ☐ Private
- ☐ Tribal
- ☐ Federal
- ☐ State
- ☐ Other – please specify: _____
- ☐ County
- ☐ Municipal
- ☐ Mixed
- ☐ Public School

Billing Contact Information (if different than Client). If the Client would like Ecology to mail billing statements to an address different than the Client's above, please enter the required information below. Please note that the Client will remain responsible for payment under the VCP Agreement.

Name:		Title:
Organization:		
Mailing address:		
City:	State:	Zip:
Phone:	Fax:	E-mail:

What type of entity is the property owner? Please check only one.

- ☐ Private
- ☐ Tribal
- ☐ Federal
- ☐ State
- ☐ Other – please specify: _____
- ☐ County
- ☐ Municipal
- ☐ Mixed
- ☐ Public School

Services Requested by Client.

What type of independent remedial action plan or report are you submitting to Ecology with your application for review under the VCP? Please check all that apply.

- ☐ Interim action plan
- ☐ Interim action report
- ☐ Cleanup action plan
- ☐ Cleanup action plan
- ☐ Remedial investigation plan
- ☒ Remedial investigation report
- ☐ Feasibility study report
- ☐ Other – please specify:

Do you want Ecology to provide you with a written opinion on the planned or completed independent remedial action?

☒ Yes ☐ No

Please note that Ecology's opinion will be limited to:

- Whether the planned or completed remedial actions at the site meet the substantive requirements of MTCA, and/or
- Whether further remedial action is necessary at the site under MTCA to characterize and address all of the contamination at the site.

Instructions for Data Submittal.

In accordance with WAC 173-340-840(5), when submitting any sampling data to Ecology, please submit the data in both a printed form and an electronic form capable of being transferred into Ecology's data management systems. The data must be submitted consistent with the procedures specified in Ecology's Toxic Cleanup Program Policy 840 (Data Submittal Requirements). Please note that any report submitted to Ecology for review under the VCP that does not comply with these data submittal requirements will be considered incomplete by Ecology.

Part 2 - DESCRIPTION OF THE SITE

Name of the Site. Please enter the name of the Site below.

Name: 506 4th Street

Alternate Name 4th Street and Maple Avenue

Location of the Site.

Reference Point.

Do you know which property is the source of the release(s) of hazardous substances at the Site (i.e., source property)?

☒ Yes — *If you answered **"YES,"** then please refer to the **"source property"** when answering the following questions regarding the location of the Site, even if your independent remedial action does not address that property.*

☐ No — *If you answered **"NO,"** then please refer to the **"affected property"** addressed by your independent remedial action when answering the following questions regarding the location of the Site. An affected property is a property affected by the release(s) on the source property.*

Physical Address. Please enter the physical address of the property below.

Name: 506 4th Street

City: Snohomish	State: WA	Zip: 98290

Geographic Position – Latitude (Lat) and Longitude (Long). For additional guidance on how to complete this part of the application form, please refer to the application instructions.

COORDINATES	LATITUDE:	Degrees: 47°	Minutes: 54'	Seconds: 58"
	LONGITUDE :	Degrees: 122°	Minutes: 05'	Seconds: 17"
LOCATION ON PROPERTY: [e.g., point of release or center of parcel]		center of parcel		
COLLECTION METHOD: [e.g., GPS or address matching]		topozone mapping		
COLLECTION SOURCE: [i.e., map scale]				
HORIZONTAL DATUM: [i.e., base reference for coordinate system]		WGS84		
ACCURACY LEVEL: [i.e., +/- feet or meters]				

Legal Descriptions.

TRS DATA:	Township: 26N	Range: 06E	Section: 18	Quarter-Quarter: NE-NW
TAX PARCEL #(S):	28061800207800			

Extent of the Site.

What is the approximate areal extent of the Site? Please check only one.

- ☐ < 5,000 square feet
- ☐ > 5,000 square feet, but < 1 acre
- ☒ > 1 acre, but < 10 acres
- ☐ > 10 acres
- ☐ Unknown

Properties Affected by the Site.

Do any of the releases on the source property affect any properties adjacent to the source property (affected properties)?

☐ Yes ☐ No ☒ Unknown

If you answered "YES" above, then please identify each property that you know has been affected by the release(s) on the source property. If you need to identify additional properties, please attach additional pages.

1.	Address:
	Tax Parcel(s):
2.	Address:
	Tax Parcel(s):
3.	Address:
	Tax Parcel(s):
4.	Address:
	Tax Parcel(s):

Do any of the releases affect any right-of-ways (e.g., streets) located on or adjacent to the source property?

☐ Yes ☐ No ☒ Unknown

Is the source property affected by any release(s) on properties adjacent to the source property?

☐ Yes ☒ No ☐ Unknown

Description of Release(s) at the Site.

Source of Release(s).

What are the source(s) of the release(s) at the Site? Please check all that apply.

- ☐ Point source (e.g., leaking tank)
- ☒ Non-point source (e.g., contaminated soil used as fill)
- ☐ Area-wide lead and arsenic soil contamination (see Question #4 below)
- ☐ Other – please specify: _____
- ☐ Unknown

To the extent known, please describe the source(s) of the release(s): 1) Stockpiled soils associated with off-site petroleum remediation; 2) Fill associated with provious use as railroad facility

Circumstances of Release(s). To the extent known, please describe below the circumstances of the release(s).

stockpile of petroleum-affected soils, metals-affected fill soils.

Circumstances of Release Discovery. To the extent known, please describe below the circumstances of the discovery of the release(s).

Identified during geotechnical/Phase II environmental site assessment at subject property, 2006

Area-Wide Soil Contamination. For guidance on how to complete this part of the application form, please refer to the application instructions and the area-wide soil contamination tool box located at the following Ecology web site: http://www.ecy.wa.gov/programs/tcp/area_wide/area_wide_hp.html.

Is the Site located within an area affected by smelter emissions, such as the Tacoma Smelter Plume area, or on a former apple or pear orchard in operation prior to 1947?

☐ Yes ☒ No ☐ Unknown

Does the Site contain area-wide arsenic and/or lead soil contamination?

☐ Yes ☒ No ☐ Unknown

Nature and Extent of Hazardous Substances Released at the Site.

Hazardous Substances and Affected Media. To the extent known, please identify in the following table the hazardous substances released at the Site and the media (e.g., soil) impacted by those substances using the codes at the bottom of the table.

Hazardous Substance	Affected Media				
	Soil	Ground Water	Surface Water	Sediment	Air
EXAMPLE: Benzene	C	S	N/A	N/A	B
Lead	**C**	**N/A**	**N/A**	**N/A**	**N/A**
Petroleum	**C**	**N/A**	**N/A**	**N/A**	**N/A**

When identifying the affected media in the table above, please use one of the following codes:

- C = confirmed, above cleanup level
- B = confirmed, below cleanup level
- O = confirmed, not present
- S = suspected
- N/A = not suspected
- U = unknown

Drinking Water.

Does any of the contamination at the Site pose a threat or potential threat to an existing drinking water source (ground water or surface water)?

☐ Yes ☒ No ☐ Unknown

If you answered "YES" above, what type of drinking water system is threatened by the contamination? Please check all that apply.

☐ Single Family
☐ Community

Indoor Air.

Are contaminate odors present in any buildings, manholes, or other confined spaces?

☐ Yes ☒ No ☐ Unknown

If you answered "YES" above, please specify:

Maps of the Site.

Please attach to this application map(s) that identify, to the extent known, the following:

- The location of the site
- The properties affected by the site
- The source(s) of the release(s) at the site
- The nature and extent of contamination at the site
- Any human or ecological receptors impacted by the site (e.g., drinking water wells)
- The physical characteristics of the site (e.g., property lines, building and road outlines, surface water bodies, water supply wells, ground water flow direction, and utility right-of-ways)
- The properties adjacent to the site and the uses of those properties (e.g., gas station, dry cleaner, residential).

Part 3 – OPERATIONAL HISTORY OF THE SITE

Current Use of Source Property. *Note that the following questions refer only to the Source Property, not other properties affected by the Site. Please answer these questions to the best of your ability.*

Current Property Owners. To the extent known, please identify below the current owner(s) of the source property.

Name: City of Snohomish	Title:	
Organization: City of Snohomish		
Mailing address: 116 Union Avenue		
City: Snohomish	State: WA	Zip code: 98290
Phone: 360-568-3115		

Current Business Owner (Operator). To the extent known, please identify below the current owner of the business located on the source property.

Name: same	Title:	
Organization:		
Mailing address:		
City:	State:	Zip code:
Phone:		

Current Business Operations. To the extent known, please identify below the current operations of the business located on the source property.

What is the current land use of the source property? Please check all that apply.

- ☐ Residential
- ☐ Commercial
- ☐ Industrial
- ☐ Agricultural
- ☐ School
- ☐ Childcare facility
- ☐ Park
- ☒ Other – please specify: **vacant**

Is there a currently operational commercial or industrial business located on the source property?

☐ Yes ☒ No ☐ Unknown

If you answered "YES" above, please identify in the following table the current business operations using the North American Industry Classification System (NAICS) codes and specifying the operations.

NAICS CODE	DESCRIPTION OF OPERATIONS
EX: 447110	Gasoline Stations with Convenience Stores

Is there a solid waste handling facility located on the Source Property?

☐ Yes ☒ No ☐ Unknown

Is there a dangerous waste treatment, storage, or disposal facility located on the Source Property?

☐ Yes ☒ No ☐ Unknown

Regulation of Current Business Operations.

Does the business operate under any federal, state, or local permits related to the release of hazardous substances into the environment (e.g., NPDES permit)?

☐ Yes ☒ No ☐ Unknown

If you answered "YES" above, please specify the regulated operation, the name of the permit, and the

REGULATED OPERATION	PERMIT	DATE ISSUED
EX: Wastewater discharge	NPDES permit	02/02/02

Has a state or federal notice of enforcement action (e.g., notice of violation) ever been issued related to the release of hazardous substances at the business?

☐ Yes ☒ No ☐ Unknown

Have business operations resulted in any other spills or other unpermitted releases on the source property?

☐ Yes ☒ No ☐ Unknown

If you answered "YES" above, please specify in the table below.

RELEASE	DATE OF RELEASE	STATUS OF RELEASE

Storage Tank Information. In table below, please identify all above ground storage tanks (AST) and underground storage tanks (UST) that have been used for storing hazardous substances on the source property, irrespective of whether the tanks are still in use or in place. *If you are unable to provide answers to specific questions regarding a tank, please enter "U" for unknown.*

IDENTIFICATION				STATUS AND CLOSURE				RELEASES	
Hazardous Substance	Type (AST/UST)	Size (Gallons)	TANK ID	DATE INSTALL	IN USE (Y/N)	DATE CLOSED	CLOSURE METHOD (*)	PAST (Y/N)	CURRENT (Y/N)
EX: Diesel	UST	10,000	4	02/87	N	05/98	Removed	Y	N

(*) Options = Removed or Closed in Place

Past Use of Source Property. *Note that the following questions refer only to the Source Property, not other properties affected by the Site. Please answer these questions to the best of your ability.*

Past Property Owners. To the extent known, please identify below the current owner(s) of the source property.

Name:	Title:	
Organization:		
Mailing address:		
City:	State:	Zip code:
Phone:	Fax:	E-mail:

Past Business Owners (Operators). To the extent known, please identify below the current owner(s) of the source property.

Name:	Title:	
Organization:		
Mailing address:		
City:	State:	Zip code:
Phone:	Fax:	E-mail:

Identification of Past Business Operations. Please identify in the following table the past operations of businesses located on the source property using the North American Industry Classification System (NAICS) codes and/or specifying the operations.

NAICS CODE	DESCRIPTION OF OPERATIONS
EX: 447110	Gasoline Stations with Convenience Stores

Future Use of Source and Affected Properties. The following questions refer to both source and affected properties. Please answer these questions to the best of your ability.

Will any ownership interest in the source or affected properties be conveyed prior to, or upon completion of, the cleanup?

☐ Yes ☒ No ☐ Unknown

Will any of the source or affected properties, or portions of those properties, be redeveloped as part of the cleanup?

☒ Yes ☐ No ☐ Unknown

If you answered "YES" above, please specify the proposed land use below. Please check all that apply.

☒ Residential
☐ Commercial
☐ Industrial
☐ Agricultural
☐ School
☐ Childcare facility
☒ Park
☐ Other – please specify: _____

Part 4 – ADMINISTRATIVE HISTORY OF THE SITE

Have you previously reported the release(s) of hazardous substances at the Site to Ecology?

☐ Yes – If so, when? _____ ☒ No ☐ Unknown

Has the cleanup of the Site, or any portion of the Site, ever been managed under the VCP?

☐ Yes – If so, please specify the VCP Project ID#:
☒ No
☐ Unknown

Has the cleanup of the Site, or any portion of the Site, ever been managed under a federal or state order or decree?

☐ Yes – If so, please specify the type and docket #:
☒ No
☐ Unknown

Part 5 – DESCRIPTION OF INDEPENDENT REMEDIAL ACTIONS AT THE SITE

Scope of Remedial Actions.

Do you plan to characterize and address all of the contamination at the Site, including any contamination located on affected adjacent properties, as part of the VCP project?

☒ Yes ☐ No ☐ Unknown

If you answered "NO" above, please describe below the scope of the VCP project, including the contamination (properties, portions of a property, media and/or hazardous substances) that you DO NOT plan on characterizing and/or addressing as part of the VCP project. Please include additional pages if necessary.

Status of Remedial Actions.

What is the current status of remedial actions at the site? Please check all that apply in the table below.

REMEDIAL ACTION	PLANNED	ONGOING	COMPLETED	NOT APPLICABLE
INITIAL RESPONSE (UST ONLY)				X
INTERIM ACTION				X
REMEDIAL INVESTIGATION			X	
FEASIBILITY STUDY				X
CLEANUP ACTION	X			

Documentation of Remedial Actions.

Please list in the table below all known remedial action plans or reports produced for the site, including:

- The title of the plan or report,
- The author (e.g. consulting firm) of the plan or report,
- The date the plan or report was produced,
- Whether the plan or report has been submitted to Ecology,
- The date the plan or report was submitted to Ecology.

	TITLE	AUTHOR	DATE	SUBMITTED TO ECOLOGY	
				Y/N?	DATE
EX:	John Doe's Property: Remedial Investigation Work Plan	Mom's Consulting Firm	02/20/99	NO	N/A
1.	Phase II Environmental Site Assessment &Geotechnical Engineering Evaluation	HWA GeoSciences	5/17/06	attached	N/A
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

Part 6 – STATEMENT AND SIGNATURE

Statement and Signature. The undersigned affirms that the information contained in this application is true and accurate to the best of his or her knowledge. Please note that someone other than the Client may sign this Application Form.

Name:	Title:	
Organization:		
Mailing address:		
City:	State:	Zip code:
Phone:	Fax:	E-mail:

Affiliation.

What is the signatory's involvement at the Site? Please check all that apply.

- ☒ Client
- ☒ Property Owner
- ☐ Consultant
- ☐ Attorney

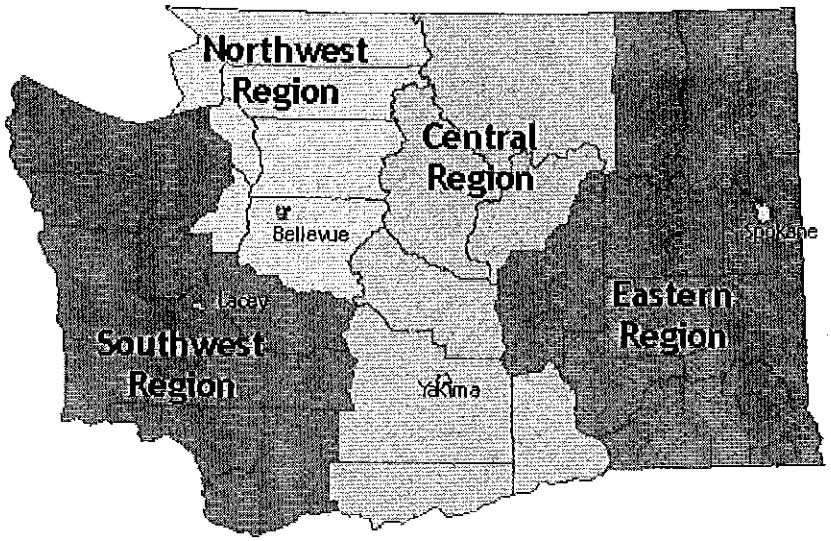
Buyer: Senior Center
Robert Hart
bhartJKd@comcast.net
206-300-3100

SUBMITTAL INSTRUCTIONS

To complete your application, please submit the following materials to the Ecology regional office for the County in which your Site is located:

1 - ☐ VCP Application Form (signed)
2 - ☐ VCP Agreement (signed by Client)
3 - ☐ Independent Remedial Action Plan(s) or Report(s) (see Part I.D of VCP Application Form)
4 - ☐ Map(s) of the Site (see Part II.G of VCP Application Form)
5 - ☐ Terrestrial Ecological Evaluation Exclusion Form (if applicable)

To identify the appropriate Ecology regional office, please refer to the following map:



Northwest Region: Attn: Dale Myers 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: Mark Dunbar 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: Bob Warren P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: Patti Carter N. 4601 Monroe Spokane, WA 99205-1295

If you have any questions regarding the application process or how to complete the forms, please contact the appropriate regional office contact listed below:

Northwest Region: Mark Edens, Unit Supervisor (425) 649-7070 mede461@ecy.wa.gov	**Central Region:** Valerie Drew, Unit Supervisor (509) 454-7886 vdre461@ecy.wa.gov
Southwest Region: Bob Warren, Unit Supervisor (360) 407-6361 rwar461@ecy.wa.gov	**Eastern Region:** Sherman Spencer, Unit Supervisor (509) 329-3408 sspe461@ecy.wa.gov

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

ECY #020-74 (revised 6/06)

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION EXCLUSION FORM

Under the Model Toxics Control Act (MTCA), a Terrestrial Ecological Evaluation (TEE) is not required if the Site meets the criteria in WAC 173-340-7491 for an exclusion. If you determine that your Site does not require a TEE, please complete this form and submit it to the Department of Ecology (Ecology) at the appropriate time, either with your VCP application or with a subsequent request for a written opinion. Please note that exclusion from the TEE does not exclude the Site from an evaluation of aquatic or sediment ecological receptors.

If your Site does not meet the criteria for exclusion under WAC 173-340-7491, then you may have to conduct a simplified TEE in accordance with WAC 173-340-7492 or a site-specific TEE in accordance with WAC 173-340-7493. If you have questions about conducting a simplified or site-specific TEE, please contact the Ecology site manager assigned to your Site or the appropriate Ecology regional office.

Step 1: IDENTIFY HAZARDOUS WASTE SITE AND EVALUATOR

Please identify below the hazardous waste site for which you are documenting an exclusion from conducting a TEE and the name of the person who conducted the evaluation.

Facility/Site Name: 506 4th Street	
Facility/Site Address: 506 4th Street	
Facility/Site No:	VCP Project No.:
Name of Evaluator: Vance Atkins, HWA GeoSciences	

Step 2: DOCUMENT BASIS FOR EXCLUSION

The bases for excluding a site from a terrestrial ecological evaluation are set forth in WAC 173-340-7491(1). Please identify below the basis for excluding your Site from further evaluation. Please check all that apply.

POINT OF COMPLIANCE – WAC 173-340-7491(1)(A)

1-☐ No contamination present at site.

2-☐ All contamination is 15 feet below ground level prior to remedial activities.

3-☐ All contamination is six feet below ground level and an institutional control has been implemented as required by WAC 173-340-440.

4-X All contamination is below a site-specific point of compliance established in compliance with WAC 173-340-7490(4)(b) with an institutional control implemented as required by WAC 173-340-440. ***Please provide documentation that describes the rational for setting a site-specific point of compliance.***

BARRIERS TO EXPOSURE – WAC 173-340-7491(1)(b)

5-X All contaminated soil, is or will be, covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife and an institutional control has been implemented as required by WAC 173-340-440. *An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.*

Step 2: DOCUMENT BASIS FOR EXCLUSION – CONTINUED

UNDEVELOPED LAND – WAC 173-340-7491(1)(c)

"Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

6-☐ There is less than one-quarter acre of contiguous undeveloped land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

7-X For sites not containing any of the chemicals mentioned above, there is less than one-and-a-half acres of contiguous undeveloped land on or within 500 feet of any area of the Site.

BACKGROUND CONCENTRATIONS – WAC 173-340-7491(1)(d)

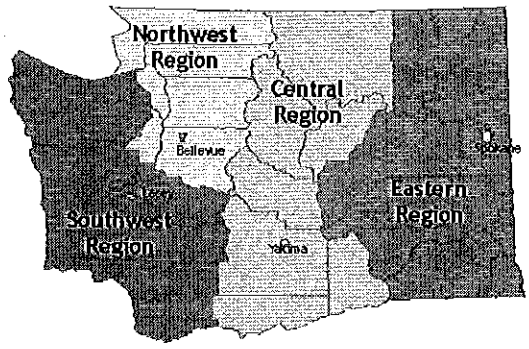
8-☐ Concentrations of hazardous substances in soil do not exceed background levels as described in WAC 173-340-709.

Step 3: PROVIDE EXPLANATION FOR EXCLUSION (IF NECESSARY)

Attach additional pages if necessary.

Step 4: SUBMITTAL

Please mail your completed form to Ecology at the appropriate time, either with your VCP application or with a subsequent request for a written opinion. If you complete the form after you enter the VCP, please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



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