INITIAL INVESTIGATION FIELD REPORT

WASHINGTON STATE DEPARTMENT OF ECOLOGY

☐ **Check this box if you have attached any documents to this form (using the paperclip icon on the left).**

ERTS #(s):	698793
Parcel #(s):	P21274
County:	Skagit
FSID #:	17647
CSID #:	16591
UST #:	

SITE INFORMATION

Site Name (Name over door): Skagit County Transfer Station Spill	Site Address (including City, State and Zip): 14158 Ovenell Rd Mt Vernon, WA 98273	Phone Email
Site Contact, Title, Business: John Rapp Skagit County Public Works	Site Contact Address (including City, State and Zip):	Phone (360) 416-1434 Email johnr@co.skagit.wa.us
Site Owner, Title, Business: Skagit County	Site Owner Address (including City, State and Zip): 1800 Continental Pl Mt Vernon, WA 98273	Phone Email
Site Owner Contact, Title, Business: Ron Peitersen, Solid Waste Division Skagit County Public Works	Site Owner Contact Address (including City, State and Zip):	Phone (360) 413-1580 Email roncp@co.skagit.wa.us
Previous Site Owner(s): Alternate Site Name(s):	Additional Info (for any Site Information Item): Ron Peitersen works at the Household Hazardous Waste facility and provided initial details about the spill. John Rapp conducted the sampling and prepared the cleanup report.	

Latitude (Decimal Degrees):	48.45666
Longitude (Decimal Degrees):	-122.44215

INSPECTION INFORMATION

☑ Please check this box if there is relevant inspection information, such as data or photos, in an existing site report for this site.

Inspection Conducted? Yes ☐ No ☒	Date/Time:	Entry Notice: Announced ☐	Unannounced ☐
Photographs taken? Yes ☐	No ☒	Note: Attach photographs or upload to PIMS	
Samples collected? Yes ☐	No ☒	Note: Attach record with media, location, depth, etc.	

RECOMMENDATION

No Further Action (Check appropriate box below):		**LIST on Confirmed and Suspected Contaminated Sites List**: ☐
Release or threatened release does not pose a threat	☐	
No release or threatened release	☐	
Refer to program/agency (Name: _____)	☐	
Independent Cleanup Action Completed (contamination removed)	☒	

COMPLAINT (Brief Summary of ERTS Complaint):

During the transfer of waste oil from the facility to an Emerald Service truck on June 2, 2020, about 20 gallons of used motor oil released to concrete (primarily) and soil beyond a concrete berm. Heavy rains allowed some waste oil to escape the containment area.

CURRENT SITE STATUS (Brief Summary of why Site is recommended for Listing or NFA):

Impacted soil was successfully cleaned up. Confirmation samples show contaminant levels are below MTCA cleanup standards. Recommendation: no further action required.

Investigator: Krystal Rodriguez Date Submitted: 4/1/2021

OBSERVATIONS ☑ **Please check this box if you included information on the Supplemental Page at end of report.**

Description (If site visit made, please be sure to include the following: site observations, site features and cover, chronology of events, sources/past practices likely responsible for contamination, presence of water supply wells and other potential exposure pathways, etc.):

According to Skagit County's report documenting cleanup efforts, about 30-50 gallons of waste oil spilled to a paved driveway and loading dock at the Household Hazardous Waste facility. Due to heavy rains at the time, some waste oil released to soil along a concrete berm and to a storm drain. The drain goes to a 30 feet wide by 90 feet long vault.

Following the spill, Emerald Services pressure washed at least one storm drain next to the vault and didn't find oil in smaller catch basins. They also used absorbent material to collect waste oil from the paved area. They placed used absorbent material and impacted surface soil in 55-gallon drums, which Emerald Services removed from the facility.

Following Ecology's recommendations to remove obviously impacted soil and collect samples, Skagit County excavated about 1.5 cubic feet of visibly impacted soil along the north side of the paved loading dock in February 2021. A Skagit County employee (licensed as a hydrogeologist) collected three soil samples (Soil-1-020321, Soil-2-020321, and Soil-3-020321) from six inches below ground surface along a 15-feet long stretch to evaluate if contaminated soils were successfully removed. Edge Analytical analyzed the samples for lead; BTEX (benzene, toluene, ethylbenzene, and xylenes); and petroleum hydrocarbons. The lab reported results of 6,920 mg/kg heavy oil for sample Soil-1-020321, which Skagit County collected from the most visibly impacted area.

In response to the high heavy oil concentration reported by the lab, Skagit County removed an additional two cubic feet of soil from that area on March 2, 2021. Soil sample TS-Soil-030221 was collected from a depth of 12 inches and submitted to the lab for diesel- and heavy-oil range petroleum hydrocarbons. With a reported concentration of 151 mg/kg, the lab confirmed the contaminated soil was removed to below MTCA Method A cleanup levels.

Skagit County disposed of the 3.5 cubic feet of contaminated soil at the transfer station. Solid waste from the transfer station is transported to Roosevelt Regional Landfill.

Documents reviewed:

Cleanup and Confirmation Soil Sampling Letter Report, Skagit County Transfer Station. Skagit County Public Works, Mount Vernon, WA. March 24, 2021.

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	SEDIMENT	DESCRIPTION
Non-Halogenated Organics	Phenolic Compounds						Compounds containing phenols (Examples: phenol; 4-methylphenol; 2-methylphenol)
	Non-Halogenated Solvents						Organic solvents, typically volatile or semi-volatile, not containing any halogens. To determine if a product has halogens, search HSDB (http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB) and look at the Chemical/Physical Properties, and Molecular Formula. If there is not a Cl, I, Br, F in the formula, it's not halogenated. (Examples: acetone, benzene, toluene, xylenes, methyl ethyl ketone, ethyl acetate, methanol, ethanol, isopropranol, formic acid, acetic acid, stoddard solvent, Naptha). *Use this when TEX contaminants are present independently of gasoline.*
	Polynuclear Aromatic Hydrocarbons (PAH)						Hydrocarbons composed of two or more benzene rings.
	Tributyltin						The main active ingredients in biocides used to control a broad spectrum of organisms. Found in antifouling marine paint, antifungal action in textiles and industrial water systems. (Examples: Tributyltin; monobutyltin; dibutyltin)
	Methyl tertiary-butyl ether						MTBE is a volatile oxygen-containing organic compound that was formerly used as a gasoline additive to promote complete combustion and help reduce air pollution.
	Benzene	B					Benzene
	Other Non-Halogenated Organics	B					TEX
	Petroleum Diesel	B					Petroleum Diesel
	Petroleum Gasoline	B					Petroleum Gasoline
	Petroleum Other	RB					Oil-range organics
Halogenated Organics (see notes at bottom)	PBDE						Polybrominated di-phenyl ether
	Other Halogenated Organics						Other organic compounds with halogens (chlorine, fluorine, bromine, iodine). search HSDB (http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB) and look at the Chemical/Physical Properties, and Molecular Formula. If there is a Cl, I, Br, F in the formula, it is halogenated. (Examples: Hexachlorobutadiene; hexachlorobenzene; pentachlorophenol)
	Halogenated solvents						PCE, chloroform, EDB, EDC, MTBE
	Polychlorinated Biphenyls (PCB)						Any of a family of industrial compounds produced by chlorination of biphenyl, noted primarily as an environmental pollutant that accumulates in animal tissue with resultant pathogenic and teratogenic effects
	Dioxin/dibenzofuran compounds (see notes at bottom)						A family of more than 70 compounds of chlorinated dioxins or furans. (Examples: Dioxin; Furan; Dioxin TEQ; PCDD; PCDF; TCDD; TCDF; OCDD; OCDF). *Do not use for 'dibenzofuran', which is a non-chlorinated compound that is detected using the semivolatile organics analysis 8270*
Metals	Metals - Other						Cr, Se, Ag, Ba, Cd
	Lead	B					Lead
	Mercury						Mercury
	Arsenic						Arsenic
Pesticides	Non-halogenated pesticides						Pesticides without halogens (Examples: parathion, malathion, diazinon, phosmet, carbaryl (sevin), fenoxycarb, aldicarb)
	Halogenated pesticides						Pesticides with halogens (Examples: DDT; DDE; Chlordane; Heptachlor; alpha-beta and delta BHC; Aldrin; Endosulfan, dieldrin, endrin)

CONTAMINANT GROUP	CONTAMINANT	SOIL	GROUNDWATER	SURFACE WATER	AIR	SEDIMENT	DESCRIPTION
Other Contaminants	Radioactive Wastes						Wastes that emit more than background levels of radiation.
	Conventional Contaminants, Organic						Unspecified organic matter that imposes an oxygen demand during its decomposition (Example: Total Organic Carbon)
	Conventional Contaminants, Inorganic						Non-metallic inorganic substances or indicator parameters that may indicate the existence of contamination if present at unusual levels (Examples: Sulfides, ammonia)
	Asbestos						All forms of Asbestos. Asbestos fibers have been used in products such as building materials, friction products and heat-resistant materials.
	Other Deleterious Substances						Other contaminants or substances that cause subtle or unexpected harm to sediments (Examples: Wood debris; garbage (e.g., dumped in sediments))
	Benthic Failures						Failures of the benthic analysis standards from the Sediment Management Standards.
	Bioassay Failures						For sediments, a failure to meet bioassay criteria from the Sediment Management Standards. For soils, a failure to meet TEE bioassay criteria for plant, animal or soil biota toxicity.
Reactive Wastes	Unexploded Ordinance						Weapons that failed to detonate or discarded shells containing volatile material.
	Other Reactive Wastes						Other Reactive Wastes (Examples: phosphorous, lithium metal, sodium metal)
	Corrosive Wastes						Corrosive wastes are acidic or alkaline (basic) wastes that can readily corrode or dissolve materials they come into contact with. Wastes that are highly corrosive as defined by the Dangerous Waste Regulation (WAC 173-303-090(6)). (Examples: Hydrochloric acid; sulfuric acid; caustic soda)

(fill in contaminant matrix above with appropriate status choice from the key below the table)

Status choices for contaminants	
Contaminant Status	**Definition**
B— Below Cleanup Levels (Confirmed)	The contaminant was tested and found to be below cleanup levels. (Generally, we would not enter each and every contaminant that was tested; for example if an SVOC analysis was done we would not enter each SVOC with a status of "below". We would use this for contaminants that were believed likely to be present but were found to be below standards when tested
S— Suspected	The contaminant is suspected to be present; based on some knowledge about the history of the site, knowledge of regional contaminants, or based on other contaminants known to be present
C— Confirmed Above Cleanup Levels	The contaminant is confirmed to be present above any cleanup level. For example—above MTCA method A, B, or C; above Sediment Quality Standards; or above a presumed site-specific cleanup level (such as human health criteria for a sediment contaminant).
RA— Remediated - Above	The contaminant was remediated, but remains on site above the cleanup standards (for example—capped area).
RB— Remediated - Below	The contaminant was remediated, and no area of the site contains this contaminant above cleanup standards (for example— complete removal of contaminated soils).

Halogenated chemicals and solvents: Any chemical compound with chloro, bromo, iodo or fluoro is halogenated; those with eight or fewer carbons are generally solvents (e.g. halogenated methane, ethane, propane, butane, pentane, hexane, heptane or octane) and may also be used for or registered as pesticides or fumigants. Most are dangerous wastes, either listed or categorical. Organic compounds with more carbons are almost always halogenated pesticides or a contaminant or derivative. Referral to the HSDB is recommended if you are unfamiliar with a chemical name or compound, as it contains useful information about synonyms, uses, trade names, waste codes, and other regulatory information about most toxic or potentially toxic chemicals.

Dibenzodioxins and dibenzofurans are normalized to a combined equivalent toxicity based on 2,3,7,8-tetrachloro-p-dibenzodioxin as set out in WAC 173-340-708(8)(d) and in the Evaluating the Toxicity and Assessing the Carcinogenic Risk of Environmental Mixtures using Toxicity Equivalency Factors Focus Sheet (https://fortress.wa.gov/ecy/clarc/FocusSheets/tef.pdf). Results may be reported as individual compounds and isomers (usually lab results), or as a toxic equivalency value (reports).

FOR ECOLOGY II REVIEWER USE ONLY (For Listing Sites):

How did the Site come to be known: ☑ **Site Discovery (received a report):** _____ (Date Report Received)
☐ **ERTS Complaint**
☐ **Other (please explain):** _____

Does an Early Notice Letter need to be sent: ☐ Yes ☒ No
If *No*, please explain why: _____

NAICS Code (if known): _____
Otherwise, briefly explain how property is/was used (i.e., gas station, dry cleaner, paint shop, vacant land, etc.):
_____

Site Unit(s) to be created (Unit Type): ☒ Upland (includes VCP & LUST) ☐ Sediment
If multiple Units needed, please explain why: _____

Cleanup Process Type (for the Unit): ☐ No Process ☑ Independent Action
☐ Voluntary Cleanup Program ☐ Ecology-supervised or conducted
☐ Federal-supervised or conducted

Site Status: ☐ Awaiting Cleanup ☐ Construction Complete – Performance Monitoring
☐ Cleanup Started ☐ Cleanup Complete – Active O&M/Monitoring
☒ No Further Action Required

Model Remedy Used? ☐
If yes, was this a transformer spill? ☐

Site Manager (Default: _____): _____

Specific confirmed contaminants include:

_____ in Soil

_____ in Groundwater

_____ in Other (specify matrix: _____)

Facility/Site ID No. (if known):
17647
Cleanup Site ID No. (if known):
16591

COUNTY ASSESSOR INFO: Please attach to this report a copy of the tax parcel/ownership information for each parcel associated with the site, as well as a parcel map illustrating the parcel boundary and location.

Parcel Number	XrefID
P21274	340309-2-003-0001
Owner Information	**Site Address(es) .**
SKAGIT COUNTY	14158 OVENELL ROAD, BLDG 1
1800 CONTINENTAL PL	14158 OVENELL ROAD, BLDG 2
MOUNT VERNON, WA 98273	14158 OVENELL ROAD, BLDG 3

Additional or Supplemental Information from Observations Page
(images and table provided by Skagit County)

Figure 1: Aerial photo of Skagit County facility with spill location identified

Table 1: Analytical results for soil samples

Sample No.	Sample Date	Sample Depth (ft bgs)	Lead (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-O (mg/kg)	PCBs (Total Aroclors) (mg/kg)
MTCA Method A			250	0.5	7	20	9	30	2000	2000	1
Soil-1-020321	February 3, 2021	0.5	7.9	ND	ND (0.03)	ND (0.12)	ND (0.12)	ND (0.24)	ND (200)	**6920**	ND (0.055)
Soil-2-020321	February 3, 2021	0.5	2.2	NA	NA	NA	NA	NA	ND (50)	133	ND (0.055)
Soil-2-020321	February 3, 2021	0.5	2.8	NA	NA	NA	NA	NA	ND (50)	ND (50)	ND (0.055)
TS-Soil-030221	March 2, 2021	1.0	NA	NA	NA	NA	NA	NA	ND (50)	131	ND (0.055)

Image 1: Release to soil observed along the concrete berm on the northeast corner of Household Hazardous Waste loading dock

Image 2: Waste oil spilled on west side of loading dock

Image 3: February 2021 excavation areas and locations of three soil samples (marked by wooden stakes)

Image 4: March 2021 excavation area and location of confirmation sample (marked by wooden stake)