



# INITIAL INVESTIGATION FIELD REPORT

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

<b>ERTS #(s):</b>	668188
<b>Parcel #(s):</b>	P26244
<b>County:</b>	Skagit
<b>FSID #:</b>	22941236
<b>CSID #:</b>	13323
<b>UST #:</b>	7085

## SITE INFORMATION

<u>Site Name (Name over door):</u> Kwik N Kleen Carwash	<u>Site Address (including City, State and Zip):</u> 1710 Freeway Dr Mount Vernon, WA 98273	<u>Phone</u> 360-424-8010 <u>Email</u>
<u>Site Contact, Title, Business:</u> Tim Slotta, Site Assessor SD&C	<u>Site Contact Address (including City, State and Zip):</u> PO Box 2071 Kirkland, WA 98083	<u>Phone</u> (206) 459-5775 <u>Email</u> ts4sdc@hotmail.com
<u>Site Owner, Title, Business:</u> H S and C Inc	<u>Site Owner Address (including City, State and Zip):</u> 1710 Freeway Dr Mount Vernon, WA 98273	<u>Phone</u> <u>Email</u>
<u>Site Owner Contact, Title, Business:</u> Other contact information: Stanwood Corporation	<u>Site Owner Contact Address (including City, State and Zip):</u> 310 Commercial Ave / PO Box 409 Anacortes, WA 98221	<u>Phone</u> <u>Email</u>
<u>Previous Site Owner(s):</u>	<u>Additional Info (for any Site Information Item):</u> ENL to H S and C Inc E-CC to Tim Slotta (ts4sdc@hotmail.com)	
<u>Alternate Site Name(s):</u>		

<u>Latitude (Decimal Degrees):</u> 48.436254
<u>Longitude (Decimal Degrees):</u> -122.342565

## 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 <input checked="" type="checkbox"/> No <input type="checkbox"/>	Date/Time: 11/29/16; 8:15am	Entry Notice: Announced <input type="checkbox"/> Unannounced <input checked="" type="checkbox"/>
Photographs taken? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Note: Attach photographs or upload to PIMS	
Samples collected? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Note: Attach record with media, location, depth, etc.	

## RECOMMENDATION

<b>No Further Action</b> (Check appropriate box below):	<b>LIST on Confirmed and Suspected Contaminated Sites List:</b> <input checked="" type="checkbox"/>
Release or threatened release does not pose a threat <input type="checkbox"/>	
No release or threatened release <input type="checkbox"/>	
Refer to program/agency (Name: _____) <input type="checkbox"/>	
Independent Cleanup Action Completed (contamination removed) <input type="checkbox"/>	

### COMPLAINT (Brief Summary of ERTS Complaint):

Caller states while removing an underground storage tank it was discovered the tank leaked and has impacted ground water. Annette Ademasu was on the site yesterday (10-10-2016).

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

Contaminated soil removed (3819 tons) and contaminated GW removed (293,286 gallons). Contaminated soil remains on site above Method A cleanup levels. GW contaminated and remediation occurred. Monitoring wells needed on site to determine GW status and extent. Recommendation: list on CSCS list.

Investigator: <b>Annette Ademasu</b>	Date Submitted: <b>7/5/17</b>
--------------------------------------	-------------------------------

**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.):

Field Observations: Took photos around 8:15am and left site. Returned to site around 10:45am and took more photos. L&I had been there, while I was not present, and asked contractor, Ultra Tank Services, to voluntarily stop cleanup work of removing contaminated soil and get a shoring engineer out before they do any more work. Site has had a lot of contaminated soil removed to Cemex. West wall along major street has water main and utilities, and soil is sloughing. GW is being removed and treated. One soil sample on north wall below Method A cleanup, all others above levels per consultant. Planned on installing new tanks tomorrow, now all work stopped until further notice.

-----  
Review comments of UST Decommissioning and Site Assessment Report, by Slotta Design & Construction, February 22, 2017.

On October 10, 2016, Ultra Tank Services removed 4 tanks and 5 dispenser islands. Box shoring was necessary so west side had protection of utility corridor. Two new tanks and 4 dispenser islands were installed around January 2017. Backfilled with cobble fill to GW level, then pit run to grade.

NE corner of property had unknown clay tile pipe (pre-1960?) at 8' bgs with black strong odor liquid in it. Sample of liquid: 23,000 ppb TPH-G (weathered gasoline); 120,000 ppb TPH-D; 9,400 ppb heavy oil; 96 ppb Benzene; and ETX above method A. This pipe comes from DOT right of way (former pond area that was drained by DOT near I-5).

Soil: 3819 tons of contaminated soil was removed to Cemex. All sidewalls have at least one or more constituents (TPH-G, BETX, and TPH-D) in samples above Method A cleanup levels. Highest sidewall sample was on west wall 3600 ppm TPH-G @ 8' bgs. Final bottom samples under former tanks were below Method A for all constituents, except 0.20 ppm Benzene @ 14' bgs. Two pits were dug on east side at dispenser islands, the highest sample was south of clay tile pipe (with black liquid) at 15,000 ppm TPH-G (highly weathered gasoline) @ 8' bgs.

GW: GW was initially found in excavation during tank removal around 8'bgs, during dewatering GW was around 14'bgs. Around 293,286 gallons of contaminated GW was removed over 2 months and treated onsite with four 500 gallon activated carbon filters. Initial GW sample from excavation at 9'bgs was: 3900 ppb TPH-G; 34 ppb Benzene; 9700 ppb TPH-D; and 2300 ppb heavy oil. After GW treatment samples were non-detect and water was sent to Mt. Vernon sanitary sewer. MWs are needed to determine extent of GW contamination.

Note from reviewer Ademasu: 5 abandoned tanks were closed in place around 1985 on east side of property. There will be localized GW mounding due to extensive amount of pea gravel backfill in tank/cleanup area.

Documents reviewed:

UST Decommissioning and Site Assessment Report, by Slotta Design & Construction, February 22, 2017.

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 ( <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB">http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB</a> ) 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, isopropanol, formic acid, acetic acid, stoddard solvent, Naptha). <i>Use this when TEX contaminants are present independently of gasoline.</i>
	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	C	C				Benzene
	Other Non-Halogenated Organics	C					TEX
	Petroleum Diesel	C	C				Petroleum Diesel
	Petroleum Gasoline	C	C				Petroleum Gasoline
	Petroleum Other		C				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 ( <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB">http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB</a> ) 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). <i>Do not use for 'dibenzofuran', which is a non-chlorinated compound that is detected using the semivolatile organics analysis 8270</i>
Metals	Metals - Other						Cr, Se, Ag, Ba, Cd
	Lead						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 Ordnance						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 below 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): 10/11/2016 (Date Report Received)  
 ERTS Complaint  
 Other (please explain): UST Inspector was on site for tank decommission.

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

Site Manager (Default: \_\_\_\_\_): Northwest Region

Specific confirmed contaminants include:

G,D,BTEX in Soil

G,B,D,O in Groundwater

\_\_\_\_\_ in Other (specify matrix: \_\_\_\_\_)

Facility/Site ID No. (if known):

22941236

Cleanup Site ID No. (if known):

13323

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.



