INITIAL INVESTIGATION FIELD REPORT

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ERTS Number: 660485
Parcel #(s): 2520069133
County: King
FSID #: 2332756
CSID #: 7471

SITE INFORMATION

Site Name (Name over door): Herfy's (Ernie's Fuel Stop Enumclaw)	Site Address (including City, State and Zip): 348 Roosevelt Ave Enumclaw, WA 98022	Phone/email: (360) 825-2949
Site Contact, Title, Business: Elizabeth Rachman, Sr Project Mgr Terracon Consultants, Inc.	Site Contact Address (including City, State and Zip): 3006 South 96th St Lakewood, WA 98499	Phone/email: 253-573-9939
Site Owner, Title, Business: Dong Eui Hong	Site Owner Address (including City, State and Zip): 3302 94th Ct S Kent, WA, 98031	Phone/email:
Site Owner Contact, Title, Business:	Site Owner Contact Address (including City, State and Zip):	Phone/email:
Previous Site Owner(s):	Additional Info:	

Latitude (Decimal Degrees):	47.19906
Longitude (Decimal Degrees):	-121.98260

INSPECTION INFORMATION

Inspection Conducted? Yes ☐ No ☒	Date/Time:	Entry Notice: Announced ☐	Unannounced ☐
Photographs taken? Yes ☐	No ☒		
Samples collected? Yes ☒	No ☐	By AESI, July 2015 (see references below)	

RECOMMENDATION

No Further Action (Check appropriate box below):		Update to existing site on Confirmed and Suspected Contaminated Sites List: ☒
Release or threatened release does not pose a threat	☐	***Update to Ernie's Fuel Stop Enumclaw**: Identified groundwater contamination is potentially an extension of upgradient contaminated site boundaries.*
No release or threatened release	☐	
Refer to program/agency (Name:)	☐	
Independent Cleanup Action Completed (contamination removed)	☐	

COMPLAINT (Brief Summary of ERTS Complaint): Phase II site assessment conducted in July 2015 on the Herfy's property (Property) identified exceedances of Method A groundwater cleanup levels in probe GP-1 (TPH-G, benzene) and GP-3 (benzene); see photo below. A Phase I site assessment did not find any prior property uses as contamination sources, and probe soil samples were below Method A. A LUST site (Ernie's Fuel Stop, FSID 2332756) is located upgradient of the Property, and an UST site (ARCO #5518, FSID 26533398) is located east of and adjacent to the property. The ARCO site does not have a documented release; however, the Ecology well log database includes two probe borings with groundwater samples completed at the ARCO 5518 site in April 2001.

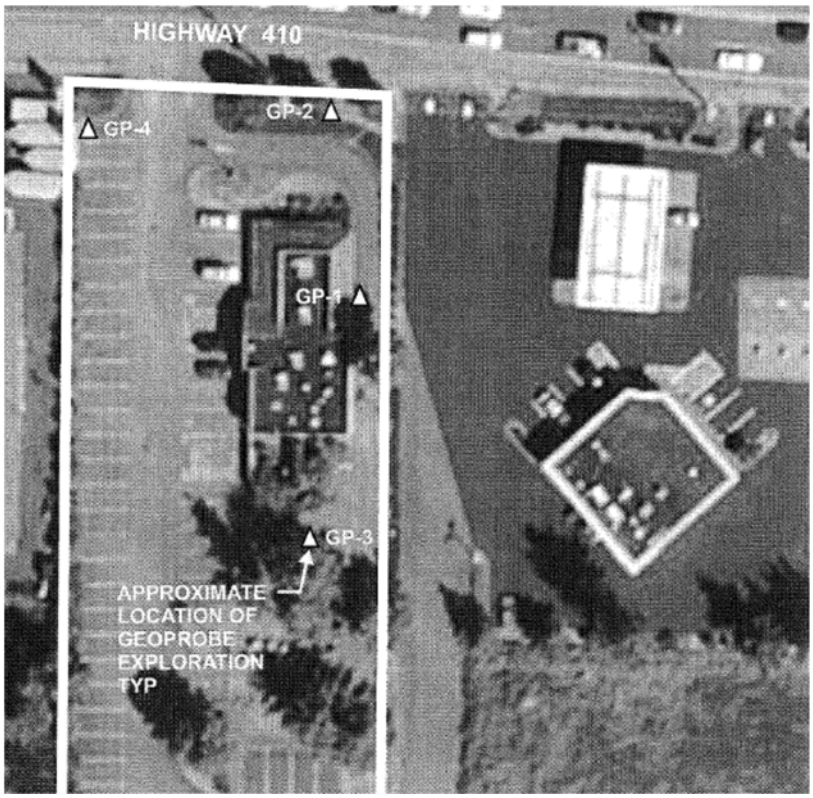
CURRENT SITE STATUS (Brief Summary of why Site is recommended for Listing or NFA):
Terracon, the consultant for the Property owner, requested a NFA opinion in the October 16, 2015 Release Report, justified by the plume clause (RCW 70.105D.020(22)(b)(iv) and the conclusion that contaminated groundwater identified beneath the Property did not originate on the Property, but migrated from adjacent sites. Additional investigation is recommended to determine if groundwater contamination extends to Herfy's property specifically from Ernie's Fuel Stop Enumclaw across Roosevelt Ave. Ecology will not be listing the Herfy's property as a contaminated site. The Ernie's Fuel Stop Enumclaw site file will be updated with the documentation provided by Terracon.

Investigator: Michael Warfel Date Submitted: March 16, 2016

OBSERVATIONS

Documents reviewed:

- Release Report, Herfy's Enumclaw Property, 348 Roosevelt Avenue, Enumclaw, Washington. Submitted to Department of Ecology by Terracon Consultants, Inc. October 16, 2015.
- Underground Storage Tank Site Characterization Report, Ernie's Fuel Stop, Enumclaw, Washington. Submitted to Reinhard Distributing Company by Sound Environmental & Safety. June 10, 1994.
- Summary of Historic Soil and Groundwater Data, Ernie's Fuel Stop, Enumclaw, Washington, Underground Storage Tank #6338. Submitted to John Bails, Department of Ecology by Aspect Consulting. April 13, 2005.
- Site Hazard Assessment, Facility Site ID 2332756, Ernie's BP Enumclaw, 420 Griffin Ave., Enumclaw, WA 98022. Submitted to Northwest United Prop LLC by Department of Ecology. August 8, 2013.
- Phase I Environmental Site Assessment, Herfy's Enumclaw Property, 348 Roosevelt Avenue, Enumclaw, Washington. Submitted to Commencement Bank, Tacoma, WA by Associated Earth Sciences, Inc. (AESI). July 15, 2015.
- Phase II Environmental Site Assessment, Herfy's Enumclaw Property, 348 Roosevelt Avenue, Enumclaw, Washington. Submitted to Commencement Bank, Tacoma, WA by AESI. July 31, 2015.
- Department of Ecology online well log files.



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

CONTAMINANT GROUP	CONTAMINANT	*SOIL*	*GROUNDWATER*	*SURFACE WATER*	*AIR*	*BEDROCK*	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		**C**				Benzene (from off-site)
	Other Non-Halogenated Organics						TEX
	Petroleum Diesel						Petroleum Diesel
	Petroleum Gasoline		**C**				Petroleum Gasoline (from off-site)
	Petroleum Other						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						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*	*BEDROCK*	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)

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 derivitive. Referral to the HSDB is recommended 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 Ch. 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):** 10/30/15 (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

Site Manager (Default: Donna Musa): Donna Musa

Specific confirmed contaminants include:

_____ in Soil

G, B in Groundwater

_____ in Other (specify matrix: _____)

Facility/Site ID No. (if known):
2332756 (Ernie's Fuel Stop Enumclaw)
Cleanup Site ID No. (if known):
7471 (Ernie's Fuel Stop Enumclaw)

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.