



# 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>	724183
<b>Parcel #(s):</b>	5367202505
<b>County:</b>	King
<b>FSID #:</b>	98422914
<b>CSID #:</b>	11307
<b>UST #:</b>	

## SITE INFORMATION

<u>Site Name (Name over door):</u> Terminal 115 Plant 1 Parcel A	<u>Site Address (including City, State and Zip):</u> 7107 SW Michigan St Seattle, WA 98106	<u>Phone</u> <u>Email</u>
<u>Site Contact, Title, Business:</u> Maud de Bel, Project Manager, King County	<u>Site Contact Address (including City, State and Zip):</u> 201 S. Jackson St., KSC-NR-0507 Seattle, WA 98104	<u>Phone</u> (206) 477-5187 <u>Email</u> mdebel@kingcounty.gov
<u>Site Owner, Title, Business:</u> Roy Kuroiwa, Environmental Program Manager, Port of Seattle	<u>Site Owner Address (including City, State and Zip):</u> 2711 Alaskan Way Seattle, WA 98121	<u>Phone</u> (206) 310-7446 <u>Email</u> kuroiwa.r@portseattle.org
<u>Site Owner Contact, Title, Business:</u>	<u>Site Owner Contact Address (including City, State and Zip):</u>	<u>Phone</u> <u>Email</u>
<u>Previous Site Owner(s):</u>	<u>Additional Info (for any Site Information Item):</u> 1.33-acre portion of parcel #5367202505 at the southeast corner of SW Michigan Street and 2nd Avenue SW	
<u>Alternate Site Name(s):</u>		

<u>Latitude (Decimal Degrees):</u> 47.540321
<u>Longitude (Decimal Degrees):</u> -122.336472

## 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.

<u>Inspection Conducted?</u> Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>Date/Time:</u>	<u>Entry Notice:</u> Announced <input type="checkbox"/> Unannounced <input type="checkbox"/>
<u>Photographs taken?</u> Yes <input type="checkbox"/> No <input type="checkbox"/>	Note: Attach photographs or upload to PIMS	
<u>Samples collected?</u> Yes <input type="checkbox"/> No <input 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 type="checkbox"/>
Release or threatened release does not pose a threat <input checked="" 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):

A Remedial Investigation Report was received by Ecology for a portion (termed Parcel A) of the Terminal 115 Plant 1 cleanup site.

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

The RI report concluded that no contaminants of concern (COCs) exist at Parcel A. Since no COCs exist at Parcel A, Ecology has determined that no cleanup of Parcel A is needed and that it is not part of the T115 cleanup site. Recommendation: No Further Action.

Investigator: <b>David Butler</b>	Date Submitted: 8/28/2023
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**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.):

The Terminal 115 (T115) Plant 1 Cleanup Site is owned by the Port of Seattle and the subject of an Agreed Order between Ecology and the Potentially Liable Parties, consisting of the Port of Seattle and the Boeing Company. Parcel A consists of approximately 1.33 acres of the T115 Plant 1 Cleanup Site that is located at the intersection of SW Michigan Street and 2nd Avenue SW. King County has identified Parcel A as a preferred site for the West Duwamish Combined Sewer Overflow (CSO) Control Project.

King County performed a Remedial Investigation (RI) to determine if cleanup was needed at Parcel A. The RI assessed the potential historical uses of the property and potential sources of contamination. The potential sources of contamination identified were filling on the property with material dredged from the Lower Duwamish Waterway (LDW) and migration (via groundwater flow) from the main portion of T115 Plant 1 Cleanup Site. The RI sampled soil and groundwater for the typical contaminants associated with the LDW.

Arsenic, Chromium, and Selenium exceeded their soil cleanup levels, but were shown to not be contaminants of concern (COCs). Arsenic and Chromium were shown to not be COCs by performing the three-part statistical analysis specified in MTCA. Selenium was shown to not be a COC by comparing the on site values to values available from studies of non-contaminated soil in the area.

For Arsenic, the three-part rule showed:

2 of 15 samples collected had concentrations greater than the natural background value of 7.3 mg/kg, meeting the <20% over cleanup level criteria (for background samples). The maximum concentration was 12.6 mg/kg, meeting the no sample concentration greater than two times the cleanup level criteria. ProUCL was used to determine a 95% upper confidence level of 7.28 mg/kg, meeting the 95% UCL is less than the cleanup level criteria.

For Chromium, the three-part rule showed:

3 of 20 samples collected had concentrations greater than the natural background value of 48 mg/kg, meeting the <20% over cleanup level criteria (for background samples). The maximum concentration was 63 mg/kg, meeting the no sample concentration greater than two times the cleanup level criteria. ProUCL was used to determine a 95% upper confidence level of 33 mg/kg, meeting the 95% UCL is less than the cleanup level criteria.

A few compounds were detected above cleanup levels in groundwater, however, the exceedances were either outliers or detected below the laboratory reporting limits and therefore determined to not be COCs. The rationale for each detected compound is presented in the RI report.

The RI report concluded that no COCs exist at Parcel A. Since no COCs exist at Parcel A, Ecology has determined that no cleanup of Parcel A is needed and that it is not part of the T115 Cleanup Site.

Documents reviewed:

King County. Final Remedial Investigation Report, Terminal 115 Plant 1 Parcel A: West Duwamish CSO Control Project. August 18, 2023.

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)	B	B				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	B				Benzene
	Other Non-Halogenated Organics	B	B				TEX
	Petroleum Diesel	B	B				Petroleum Diesel
	Petroleum Gasoline	B	B				Petroleum Gasoline
	Petroleum Other	B	B				Oil-range organics
Halogenated Organics (see notes at bottom)	PBDE						Polybrominated di-phenyl ether
	Other Halogenated Organics	B	B				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	B	B				PCE, chloroform, EDB, EDC, MTBE
	Polychlorinated Biphenyls (PCB)	B	B				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	B	B				Cr, Se, Ag, Ba, Cd
	Lead	B	B				Lead
	Mercury	B	B				Mercury
	Arsenic	B	B				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 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.):  
Truck parking

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 **Model Remedy Used?**   
 Cleanup Started  Cleanup Complete – Active O&M/Monitoring **If yes, was this a**   
 No Further Action Required **transformer spill?**

Site Manager (Default: \_\_\_\_\_): David Butler

Specific confirmed contaminants include:

None in Soil

None in Groundwater

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

Facility/Site ID No. (if known):

98422914

Cleanup Site ID No. (if known):

11307

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.

