Seattle Port Terminal 106 NW

SHARP Report — Part 1 of 2

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• SHARP first SHARP	v2024.04.29	Ecology Info	
• SHARP rating	Low	ERTS	N8355
• SHARP date	11/25/2024	CSID	1825
• EJFlagged?	✔ – No Override	FSID	2313
• LD confidence level	low	VCP	none
• Cleanup milestone	site hazard assessment	UST ID	none
• SHARPster	Kelly Finley	LUST ID	none

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	D4	low	multiple chemical types	⊘
Groundwater	C3	low	risk to off-site people	✔
Surface water	B2	low	climate change impacts	✔
Sediment	B1	low	plant/animal tissue data	⊘
Soil	D4	medium		

Location and land use info

3629 Duwamish Ave S, Seattle, King County, 98134

Primary parcel	SHARP it
Land use	industrial
Responsible unit	NWRO

Sources reviewed

Department of Ecology, July 16, 2015, Site Hazard Assesssment

Primary census tract	Associated census tracts
53033009300	none

Local demographics comments

The hazardous substances from this site remained on the census tract where the release occurred. The EJ flag was triggered by the DOH ranking from environmental exposure factors and not EPA EJ factors.

Source/source area description

Contaminant of concern is lead that had accumulated in dust, solids, and soil. The likely soure of contamination is historical loading, unloading, and handling of lead ingots transfers between railcars and shipping containers using forklifts.

Soil comments

In 1992 lead was found in soil samples above MTCA A screening levels. After remediation activities, confirmation samples were collected to demonstrate residual concentrations of lead in soils were below the MTCA Method A cleanup level. Reportedly, regular pavement/asphalt sweeping is currently conducted as a stormwater quality mitigation measure.

Groundwater comments

Lead-impacted soil was largely identified in the upper 4 inches of soil, and not expected to impact groundwater at the site where the approximate depth to groundwater is 10 to 12 feet below ground surface. No ground water data is currently available. More information is needed.

Surface water comments

Soils and dust impacted with lead were reportedly remediated in early 1993 to concentrations below MTCA Method A cleanup levels; however, it is unknown whether lead impacted soil or dust may have contributed to concentrations of lead in the Lower Duwamish Waterway (LDW). The Site is located adjacent to the LDW, a Superfund cleanup site, where contaminants of concern include PCBs and metals in sediment and/or surface water. Further investigation is needed to determine if this site extends into surface water.

Sediment comments

Soils and dust impacted with lead were reportedly remediated in early 1993 to concentrations below MTCA Method A cleanup levels; however, it is unknown whether lead impacted soil or dust may have contributed to concentrations of lead in the Lower Duwamish Waterway (LDW). The Site is located adjacent to the LDW, a Superfund cleanup site, where contaminants of concern include PCBs and metals in sediment and/or surface water. Further investigation is needed to determine if this site extends into sediment.

Indoor air comments

In 1992 airborne lead was found in samples above permissible exposure limits for worker safety. Work practices were revised to reduce the dust exposure to workers and a remediation strategy was developed to remove lead dust and impacted soils from the Site. After remediation activities, confirmation samples were collected to demonstrate residual concentrations of lead in soils were below the MTCA Method A cleanup level.

Additional factors comments

The extent of contamination is not currently known. The site is vulnerable to sea level rise.

Site history

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A large, 41,000 square foot warehouse building is present at the property, originally constructed in approximately 1930. The warehouse is established as part of Foreign-Trade Zone #5, a facility for storage, assembly, and production of products outside of U.S. Customs. The Site is formerly known as Terminal 106NW and currently operated as a Port of Seattle Terminal 104 warehouse and Foreign Trade Zone #5 by Port of Seattle.

An initial assessment conducted in 1990 identified concentrations of airborne lead exceeding permissible exposure limits for worker safety. Additional investigation and sampling identified accumulated dust in a railcar with a concentration of 20.31% lead, by weight.

The affected area was estimated to be approximately 3,000 square feet, and lead was identified in catch basin accumulated solids samples at concentrations up to 4,200 milligrams per kilogram (mg/kg), and in surface soils at concentrations of up to 1,200 mg/kg, both above the Model Toxics Control Act (MTCA) Method A cleanup level for soil (250 mg/kg).

Work practices were revised to reduce the dust exposure to workers and a remediation strategy was developed to remove lead dust and impacted soils from the Site by pressure washing asphalted surfaces and structures, and collecting the wash water for disposal. Remediation activities were conducted in late 1992 and early 1993, Site storm sewer lines and catch basins were cleaned out, and soil was excavated from the rail area and parking area. Reportedly 40 cubic yards of soil and rock were removed from the rail dock area, and confirmation samples were collected to demonstrate residual concentrations of lead in soils were below the MTCA Method A cleanup level. Reportedly, regular pavement/asphalt sweeping is currently conducted as a stormwater quality mitigation measure.

This facility (FSID 2313) also has another contaminated site release under CSID 7817 which included a LUST release with TPH and BTEX above MTCA A screening levels.

Overflow - Site contamination and cleanup history

No overflow

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SHARP Report — Part 2 of 2

1825 Seattle Port Terminal 106 NW 20241125

First SHARP

SHARP rating — Low

Conceptual site model

11/25/2024

SHARP