



Sound Transit Brooklyn Station Area

File: 12019 Sound Transit Brooklyn Station Area 20240510

SHARP Report — Part 1 of 2

[Go to site contamination history](#)

• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Low		ERTS	634063
• SHARP date	05/10/2024		CSID	12019
• EJFlagged?	✓ – No Override		FSID	8342
• LD confidence level	low		VCP	NW2704
• Cleanup milestone	remedial investigation		UST ID	619989
• SHARPster	Zak Wall		LUST ID	6709

This section is blank if this is the first SHARP

SHARP Media	Scores	Confidence	Additional Factors
Indoor air	B3	low	multiple chemical types ✓
Groundwater	C3	high	risk to off-site people ✓
Surface water	D4	high	climate change impacts ⊘
Sediment	D4	high	plant/animal tissue data ⊘
Soil	C2	medium	

Location and land use info	
1000 NE 45th St, Seattle, King County, 98105	
Parcel(s)	
Responsible unit	NWRO
Land use	menu ▼

Sources reviewed
2012-01-09 Phase II ESA
2012-06-07 Initial Investigation Field Report
2013-03-07 RI/FS Work Plan
2016-12-19 UST Site Assessment
2013-06-12 VCP RI/FS Work Plan Opinion Letter



Primary census tract	Associated census tracts
53033005306	53033005305

Local demographics comments
no comments

Source/source area description
<p>A former retail gasoline service station and former drycleaner are believed to be sources of contamination at the site. The gas station existed on the western portion of the site from as early as 1938 until 1956. A drycleaner operated on the eastern portion of the site from approximately 1943 until 1961. A used car lot also operated at the entire property from 1953 until 1961, and could be an additional source of contamination.</p>

Soil comments
<p>Vinyl Chloride was detected in one soil sample collected in 2011 from boring GP-15 at a concentration of 0.00099 mg/kg slightly above the laboratory reporting limit of 0.00061 mg/kg. Updated soil information is needed to assess the presence/extent of vinyl chloride and other PCE-degradation compounds in media at the site.</p>



Groundwater comments

no comments

Surface water comments

no comments

Sediment comments

no comments

Indoor air comments

PCE was detected at a concentration of 130 µg/L (well MW-3 in October 2011) above the Method B VI groundwater screening level of 25 µg/L.

Additional factors comments

no comments



Site contamination and cleanup history

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Petroleum-related contaminants have been identified in soil and groundwater on the western portion of the site and are believed to have originated from former service station operations. Chlorinated VOCs have been identified in soil and groundwater on the eastern portion of the site and are likely associated with former drycleaning operations. Arsenic and chromium have also been detected in groundwater samples collected from the western portion of the site at concentrations greater than MTCA Method A groundwater cleanup levels. In September 2016, as part of an interim remedial action, soil excavations were completed at the western and eastern portions of the site. During the excavations, two underground storage tanks (one 3,000-gallon and one 500-gallon) were encountered and removed from the western area. Based on the available reports, it is likely that petroleum and chlorinated solvent-impacted soil remains on site.



Overflow - Site contamination and cleanup history

No overflow

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First SHARP

SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model

05/10/2024



Assessment scores by environmental medium

