North Boeing Field / Georgetown St

Click to cleanup history

SHARP Report — Part 1 of 2

• SHARP first assessment		This section is blank if this is a SHARP first assessment
• SHARP Tool Version	v2024.04.01	
• SHARP rating	Low	
• SHARP date	5/16/2024	
• EJFlagged?	✔ – No Override	
• LD data confidence level	low	
• Cleanup milestone	remedial investigation	
• Assessor	Jeff Wirtz / Julia Schwarz	

Assessment Media	Scores	Conf
Indoor air	B2	medium
Groundwater	C2	high
Surface water	D4	low
Sediment	D4	low
Soil	B1	high

Additional Factors	
multiple chemical types	✔
risk to off-site people	⃠
climate change impacts	✔
plant/animal tissue data	⃠

Ecology Info	
ERTS	n/a
CSID	4765
FSID	2050
VCP	n/a
UST ID	n/a
LUST ID	n/a

Location and Land Use Info

7370 E Marginal Way S, Seattle, King County, 98108 — Responsible unit – NWRO

Parcel 2824049007, 2924049106, 2924049066, 7006700570 — Land use – Industrial

Source/source area description

In 1906, Seattle Electric Company built the Georgetown Steam Plant (GTSP) along the Duwamish River to provide power during periods of high electricity use. After 1912, use of the steam plant decreased under Puget Power ownership. The City of Seattle acquired the plant in 1951 and operated it on standby until it was fully decommissioned in 1973. When built, the GTSP was next to the Duwamish River. When that part of the river was straightened in 1913 to form the Duwamish Waterway, the GTSP Flume was constructed to carry cooling water to Slip Four.

Local demographics comments

Primary Census Tract: 53033010900

Associated Census Tracts:

The hazardous substances from this site remained on the census tract where the release occurred.

Soil comments

In soil, the contaminants of concern are: Polychlorinated biphenyls (PCBs), Total petroleum hydrocarbons (TPH), Polynuclear aromatic hydrocarbons (PAHs), Metals (Antimony, arsenic, cadmium, chromium, copper, lead, mercury, and zinc).

Groundwater comments

In groundwater, the contaminants of concern are: TPH, Volatile and semi-volatile organic compounds (VOCs and SVOCs), and Metals (Antimony, arsenic, chromium, and lead).

North Boeing Field / Georgetown St Click to cleanup history

SHARP Report — Part 1 of 2

Surface water comments
no comments

Sediment comments
Slip 4 of the Lower Duwamish Waterway is located close to the site. Impacts from the site may be present in Slip 4.

Indoor air comments
no comments

Additional factors comments
Onsite contaminants of concern include: Polychlorinated biphenyls (PCBs), Total petroleum hydrocarbons (TPH), Polynuclear aromatic hydrocarbons (PAHs), Metals (Antimony, arsenic, cadmium, chromium, copper, lead, mercury, and zinc), volatile and semi-volatile organic compounds (VOCs and SVOCs). The site is near the Lower Duwamish Waterway and subject to sea level rise.

North Boeing Field / Georgetown Sl Click to cleanup history

SHARP Report — Part 1 of 2

Site contamination and cleanup history Click to top

In soil, the contaminants of concern are: Polychlorinated biphenyls (PCBs), Total petroleum hydrocarbons (TPH), Polynuclear aromatic hydrocarbons (PAHs), Metals (Antimony, arsenic, cadmium, chromium, copper, lead, mercury, and zinc).

In groundwater, the contaminants of concern are: TPH, Volatile and semi-volatile organic compounds (VOCs and SVOCs), and Metals (Antimony, arsenic, chromium, and lead).
In stormwater solids, the contaminants of concern are: PCBs, PAHs, SVOCs, and Metals (Arsenic, copper, lead, mercury, and zinc).

EPA's Early Action cleanup in Slip 4 was completed in 2012. As part of this project, Boeing and the City removed debris and cleaned up sediments in the Slip. Boeing also installed a stormwater treatment system to remove solids from the stormwater draining off the northern portion of the site. This area had very high levels of PCBs, due to the historical handling of electrical transformer oil and aircraft hydraulic oil. Controlling this runoff made a significant difference in the amount of PCBs reaching the river.

In 1985 and 2006, the City independently removed PCB-contaminated soil from the southwest portion and southern boundary of the GTSP property. This portion of the site is referred to as the low-lying area because surface water historically flowed into this region from portions of the GTSP and offsite areas.

In 2009, the City independently cleaned up and replaced the GTSP Flume, which was known to be a source of contamination to the river.

2011, Boeing conducted an Interim Action to remove accessible PCB-contaminated soil along the fence line adjacent to the Steam Plant.

Also In 2011, the City and Boeing conducted an Interim Action under the direction of Ecology to remove soil contaminated with PCBs and petroleum from the low-lying area near the GTSP, which had the potential to move offsite and contaminate Slip 4. They also capped areas where the soil was contaminated with other chemicals.

Boeing continues to make progress on a large scale effort to remove PCB-contaminated materials such as caulk, paint, building materials, and surface debris. EPA regulated this action is under the federal Toxic Substances Control Act.

Since 2010, Boeing has removed thousands of linear feet of PCB-contaminated concrete joint material from the site, and re-sealed the joints. They have also cleaned, repaired, and replaced many of the storm drains on the north end of the

North Boeing Field / Georgetown Steam Plant

05/16/2024

SHARP First Assessment

Low SHARP Rating

SHARP Report — Part 2 of 2

Conceptual site model

SHARP