## **Remedial Investigation and Feasibility Study**

Gas Works Park Site Seattle, Washington

for Puget Sound Energy and the City of Seattle

January 2023













P:\0\0186846\Graphics\_Misc\Figure PN-1A-B-C-D.ai Exported 5/17/22 t



## <u>Legend</u>

_	Area of Investigation		
	Shoreline (OHWM)		
Historical Sources			
	Oil Line		
	Tar Line		
	MGP Sources		
//	Former MGP Materials Storage (Lampblack)		
	Lampblack Use/Storage/Processing		
	Thylox Process		
	Tar Refinery Structures		
¢	Historical Outfall		
	Approximate Location of Former Wallingford Outfall		
	Western Overwater Docking		
$\bigotimes$	Shipyard Operations		
Historical Fill Sources			
	MGP Fill		
	Redistributed Fill		
	West Fill		
:	Post-1919 Fill		

#### Notes:

1. Site structures delineated as shown in the General Plan, Lake Station, Seattle Gas Company, April 1949, revised in June 1953. Historical railroad features shown as delineated in General Plan, Lake Station, Seattle Gas Co., June 1938. ATCO footprint as shown on 1919 Sanborn map. Sanborn Fire Insurance Map, 1950, Parametrix (1998) FFS, 1946, 1956 aerial photo, and Haag 1973. 2. Locations of oil and tar lines approximate. Based on work by AECOM. See Figure 1A-3 for original sources of information. 3. Reference Appendix 1B for evaluation of potential historical MGP

sources and the fate of MGP structures. 4. Basemap 2005 USGS aerial photograph. Does not show

current conditions. 5. Projection: NAD 1983 HARN StatePlane Washington North FIPS 4601.

DISCLAIMER: This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. The locations of all features are approximate. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.





0\0186846\Graphics\_Misc\Figure 8-3-Arsenic.ai Exported 3/8/21 by

![](_page_8_Figure_0.jpeg)

![](_page_9_Figure_0.jpeg)

## **Gas Works** Park Marina

## Legend

Area of Investigation

Shoreline (OHWM)

#### **Remaining Areas of Contamination**

Tar (0 to 1 Foot)
NAPL (0 to 1 Foot)
ScPAH-Impacted Soil/Exposed Unstable Bank
Primary GWPS COC Impacted Sediment > Ambient Conditions
Primary GWPS COC Impacted Sediment = Ambient Conditions

Shoreline Arsenic Area

### Notes:

1. Basemap - 2005 USGS aerial photograph. Does not show current conditions. 2. Projection: NAD 1983 HARN StatePlane Washington North FIPS 4601.

DISCLAIMER: This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. The locations of all features are approximate. GeoEngineers, inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

![](_page_9_Figure_12.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_11_Figure_0.jpeg)

### <u>Legend</u>

	Volatilization
	Wind Erosion & Dispersion
	Leaching & Groundwater
	Mobile Non-Aqueous Phase Liquid
	(NAPL) Iransport Erosion & Surface Water
	Transport
Х	Complete Pathway
0	Incomplete or Minor Pathway
	Not Applicable

### <u>Notes</u>

- 1. Upland NAPL is a potential source to soil and groundwater; associated contaminants can volatilize to air.
- 2. The protection of surface water is addressed by the use of surface water screening levels in the evaluation of offshore groundwater.

# **Conceptual Site Exposure Model**

Gas Works Park Site Seattle, Washington

Figure 7-6

GEOENGINEERS