

Blaine Marina Inc

SHARP Report — Part 1 of 2



• SHARP first ranking			This section is blank if this is a SHARP first ranking		
• SHARP Tool Version v2024.02.07A • SHARP rating Low • SHARP date 2/8/2024 • EJFlagged? ☐ • LD data confidence level low • Cleanup milestone cleanup action plan • Ranker Jeff Wirtz					
Ranking Media	Scores	Conf	Additional Factors		Ecology Info
Indoor air	B1	high	multiple chemical types	☐	ERTS 528216
Groundwater	C2	high	risk to off-site people	☐	CSID 63
Surface water	D4	high	climate change impacts	☒	FSID 2888
Sediment	D4	high	plant/animal tissue data	☐	VCP none
Soil	B1	high			UST ID none
					LUST ID none
Location and Land Use Info					
214 Sigurdson Ave, Blaine, Whatcom County, 98230			Responsible unit – NWRO		
Parcel 4051013605300033			Land use – Industrial		
Source/source area description					
The Blaine Marina, Inc. site is located in the western portion of the Blaine Harbor industrial area. The Port has leased this property to Blaine Marina, Inc. for use as a tank farm and fueling facility since the 1950's. In 1955 the tenant installed three aboveground storage tanks to store gasoline and diesel fuel for dispensing at the fueling dock, and also for filling tanker trucks to deliver home heating oil. The fueling facility also once supported commercial and recreational boating activities at the marina.					
Local demographics comments					
The census tract identifies 1 of 10 EJScreen demographics indicators greater than the 80th percentile for Washington. The Environmental Health Disparities score is 3. The EJFlag criterion is not met.					
Soil comments					
The identified Site IHS and their associated media are TPH-G, TPH-D, benzene, ethylbenzene, xylenes, and total naphthalenes in soil, and TPH-G, TPH-D, benzene, and total naphthalenes in groundwater.					
Groundwater comments					
The identified Site IHS and their associated media are TPH-G, TPH-D, benzene, ethylbenzene, xylenes, and total naphthalenes in soil, and TPH-G, TPH-D, benzene, and total naphthalenes in groundwater.					
Surface water comments					
no comments					

no comments

Indoor air comments

A sufficient number of soil vapor samples exceeded the MTCA Method B cleanup levels for benzene and 1,3-butadiene that these VOCs are identified as Site soil vapor IHS.

Additional factors comments

The site is on Blaine Harbor and subject to sea level rise.

Site narrative summary

Investigations across the Site have found petroleum, metals, volatile organic compounds, and naphthalene in groundwater and soil at the Site. Most contamination at the Site appears to be the result of an accidental fueling release by the tenant reported in 1990. Contaminants exist at potentially harmful levels and must be addressed under Washington's cleanup law, the Model Toxics Control Act (MTCA). Although the Port did not cause this contamination, it is responsible under MTCA for cleanup of the Site.

In 2018, the Port completed most of the required cleanup activities described in the cleanup action plan and detailed in the engineering design report. The primary cleanup activities completed in the summer of 2018 included removing approximately 4,000 tons of soil contaminated with petroleum hydrocarbons and light non-aqueous phase liquid (LNAPL) from the excavation. Additional demolition and Site restoration activities were required to complete the soil removal, since buildings were located above the source area where contaminant levels were highest. The contaminated materials were removed from the Site and disposed of at an offsite Resource Conservation and Recovery Act Subtitle D landfill facility. Through soil excavation and LNAPL removal in the source area, an equivalent of approximately 16,000 gallons of petroleum hydrocarbons were removed.

Blaine Marina Inc

02/08/2024

SHARP First Ranking

Low SHARP Rating

SHARP Report — Part 2 of 2

Conceptual site model



Ranking scores by environmental medium

