

University St & 6th Ave Plume



SHARP Report — Part 1 of 2

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• SHARP first SHARP		v2024.04.29	Ecology Info	
• SHARP rating	Low		ERTS	731507
• SHARP date	08/06/2024		CSID	17084
• EJFlagged?	✓ – No Override		FSID	100002649
• LD confidence level	low		VCP	none
• Cleanup milestone	initial investigation		UST ID	none
• SHARPster	David Unruh		LUST ID	none

This section is blank if this is the first SHARP	

SHARP Media	Scores	Confidence	Additional Factors	
Indoor air	B2	low	multiple chemical types	✓
Groundwater	C2	medium	risk to off-site people	✓
Surface water	D4	high	climate change impacts	⊘
Sediment	D4	high	plant/animal tissue data	⊘
Soil	C1	low		

Location and land use info	
1320 6th Avenue, Seattle, King County, 98101	
Primary parcel	1976700155
Land use	commercial
Responsible unit	NWRO

Sources reviewed
GeoEngineers, Draft Groundwater Chemical Analytical Data Table, September 16, 2024
GeoEngineers, Historical UST and Groundwater Elevation Map, June 10, 2024
Shannon & Wilson, Hilton Seattle Hotel, Eighth Quarter Groundwater Monitoring Report, August 4, 2015
Shannon & Wilson, Hilton Seattle Hotel, Groundwater Current Conditions, October 14, 2011

Primary census tract	Associated census tracts
53033008200	none

Local demographics comments
no comments

Source/source area description
Releases at this site include gasoline-range petroleum hydrocarbons (TPH-G), benzene, toluene, ethylbenzene, xylenes (collectively BTEX), and lead. The source of releases is currently unknown. Light non-aqueous phase liquid (LNAPL) was observed in a monitoring well (MW-5) installed on the west side of the 6th Avenue right-of-way (ROW) in 1998. The well was installed upgradient of a known release on the Seattle Hilton Hotel Parking Garage (Seattle Hilton; CSID 436) site. Several historical gas service stations are located in the assumed upgradient direction of this well.

Soil comments
No soil sampling data are available for this release.

Groundwater comments
The most recent groundwater samples collected from the Seattle Hilton Hotel Parking Garage site indicate that contamination remains above the Method A cleanup level in the 6th Ave ROW.

Surface water comments

no comments

Sediment comments

no comments

Indoor air comments

No soil vapor or indoor air sampling data are available for this release.

Additional factors comments

no comments

Site history

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Historical underground storage tanks (USTs) used to store petroleum were located on the southern side of the Seattle Hilton (1301 6th Ave S). Properties on the north, east, and south corners of the intersection of 6th Ave and University St also have records of historical USTs. A sample of LNAPL collected in 1998 from the 6th Ave well indicates that the release is likely leaded gasoline.

A skimmer was installed in MW-5 in November 2012 to remove LNAPL from the well. Due to limited LNAPL recharge, the skimmer was removed in August 2013. As of 2015, a total of approximately 129 gallons of LNAPL were removed from the well by the skimmer and sorbent socks installed in the well. A groundwater sample collected from MW-5 in March 2024 indicates that TPH-G, BTEX, and total lead remain above the Method A cleanup levels.

Overflow - Site contamination and cleanup history

Ecology is evaluating this release based on a recommendation from the Pollution Liability Insurance Agency (PLIA). Data collected from the Site following remediation of the Seattle Hilton site indicate that the contamination in MW-5 is not likely related to the known UST related to the Seattle Hilton release. MW-5 is located east, upgradient of the former UST. Groundwater flow in this area is roughly to the west-northwest.

University St & 6th Ave Plume

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First SHARP

SHARP rating — Low

SHARP Report — Part 2 of 2

Conceptual site model

08/06/2024



Assessment scores by environmental medium

