



SoundEarth Strategies, Inc.
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September 24, 2018

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DEPT OF ECOLOGY
TCP - NWRO

Mike Warfel
Voluntary Cleanup Program
Washington State Department of Ecology
3190 160th Avenue Southeast
Bellevue, Washington 98008

SUBJECT: 2014 GROUNDWATER DATA
Huling Brothers Chevrolet (VCP NW2716)
4755 Fautleroy Way Southwest
Seattle, Washington
Facility Site Number: 26131615

Dear Mr. Warfel,

We understand that Department of Ecology has requested supplemental information prior to issuing a No Further Action (NFA) opinion letter for the Huling Brothers Chevrolet site in Seattle, Washington. Based on your September 13, 2018 email request, we present the following information:

- Groundwater data for pre-development monitoring wells MW-1, MW-2, MW-3, SMW01, SMW02, and SMW03 was entered into Ecology's Environmental Information Management (EIM; WA Ecology database) database under former Voluntary Cleanup Program (VCP) Site NW2649 (SKS Shell Redevelopment), as well as VCP Site NW2716. A summary table of EIM locations for site well data was provided by Ecology to SoundEarth, and is attached.
- Table 2A from the remedial investigation-cleanup action plan report dated May 8, 2014 has been updated to include groundwater data for samples collected on October 16, 2014 from wells MW-1, MW-2, MW-3, SMW01, SMW02, and SMW03. Revised Table 2A is also attached.

Please let me know if you need any additional information for your completion of the NFA opinion letter for Huling Brothers Chevrolet.

Respectfully,
SoundEarth Strategies, Inc.

Rob Roberts
Senior Scientist

Attachments: EIM Summary Table
Table 2A, Summary of Groundwater Data and Analytical Results

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EIM SUMMARY TABLE

Huling Bros Chevrolet Monitoring Well EIM Data Summary

Provided by Mike Warfel, Department of Ecology, September 19, 2018

Well Number	Parcel Location	Sample Start Date	Sample End Date	EIM Location(s)
MW-1	Huling	6/11/1997	10/16/2014	NW2649, NW2716
MW-2	Huling	6/11/1997	10/16/2014	NW2649, NW2716
MW-3	Huling	6/11/1997	10/16/2014	NW2649, NW2716
SMW01	Huling	8/31/2012	10/16/2014	NW2649, NW2716
SMW02	Huling	10/16/2014	10/16/2014	NW2649, NW2716
SMW03	Huling	8/31/2012	10/16/2014	NW2649, NW2716
SMW04	Kennedy	8/31/2012	4/1/2013	NW2715
MW106	Kennedy	12/13/2012	4/1/2013	NW2715
MW108	SKS Shell	3/17/2016	6/21/2018	NW2715
MW113	Kennedy	3/23/2018	6/21/2018	NW2715

TABLE



Table 2A
Summary of Groundwater Data and Analytical Results
Huling Property
4755 Fauntleroy Way Southwest
Seattle, Washington

Well ID	Sample Date	Sampled By	Depth to Groundwater (feet below TOC)	Relative Groundwater Elevation ⁽¹⁾	Analytical Results (µg/L)																
					GRPH ⁽²⁾	Benzene ⁽³⁾	Toluene ⁽³⁾	Ethyl-benzene ⁽³⁾	Total Xylenes ⁽³⁾	Other 8260 VOCs ⁽³⁾	PCBs ⁽⁴⁾	DRPH ⁽²⁾	ORPH ⁽²⁾	Dissolved Chromium ⁽⁵⁾	Dissolved Arsenic ⁽⁵⁾	Dissolved Selenium ⁽⁵⁾	Silver ⁽⁵⁾	Dissolved Cadmium ⁽⁵⁾	Dissolved Barium	Dissolved Lead ⁽⁵⁾	Dissolved Mercury ⁽⁶⁾
MW-1	06/11/97	EPI	16.66	257.10	<250	<1.0	<1.0	<1.0	<2.0	ND ⁽⁷⁾	<1.0	260	760	--	--	--	--	--	--	--	--
	08/23/12	SoundEarth	18.73	255.03	<100	<1	<1	<1	<3	--	--	<55	<280	--	--	--	--	--	--	--	--
	10/16/14	SoundEarth	19.86	253.90	<100	<0.35	<1	<1	<3	ND	--	<50	<250	--	--	--	--	--	--	--	--
MW-2	06/11/97	EPI	24.77	248.49	<250	<1.0	<1.0	<1.0	<2.0	ND ⁽⁷⁾	<1.0	350	<500	--	--	--	--	--	--	--	--
	08/23/12	SoundEarth	26.17	247.09	<100	<1	<1	<1	<3	--	--	310 ^x	<280	--	--	--	--	--	--	--	--
	10/16/14	SoundEarth	26.99	246.27	<100	<0.35	<1	<1	<3	ND	--	<50	<250	--	--	--	--	--	--	--	--
MW-3	06/11/97	EPI	18.35	255.79	<250	<1.0	<1.0	<1.0	<2.0	ND ⁽⁷⁾	<1.0	370	<500	-- ⁽⁸⁾	-- ⁽⁸⁾	--	--	-- ⁽⁸⁾	-- ⁽⁸⁾	-- ⁽⁸⁾	-- ⁽⁸⁾
	08/23/12	SoundEarth	23.34	250.80	<100	<0.35	<1	<1	<3	ND	ND	51 ^x	<250	<1	<1	1.95	<1	<1	21.1	<1	<0.1
	10/16/14	SoundEarth	23.47	250.67	<100	<0.35	<1	<1	<3	ND	ND	<50	<250	<1	<1	--	--	<1	--	<1	<0.1
SMW01	08/31/12	SoundEarth	25.14	248.39	<100	<0.35	<1	<1	<3	ND	--	<50	<250	<1	<1	--	--	<1	--	<1	<0.1
	10/16/14	SoundEarth	28.85	244.68	<100	<0.35	<1	<1	<3	ND	--	<50	<250	<1	<1	--	--	<1	--	<1	<0.1
SMW02	10/03/12	SoundEarth	27.35	245.57	--	--	--	--	--	--	--	<60 ^{dv}	<300 ^{dv}	--	--	--	--	--	--	--	--
	10/16/14	SoundEarth	27.72	245.20	--	<0.35	<1	<1	<3	ND	--	<50	<250	--	--	--	--	--	--	--	--
SMW03	08/31/12	SoundEarth	24.30	246.96	<100	<0.35	<1	<1	<3	ND	--	280 ^x	<250	<1	<1	--	--	<1	--	<1	<0.1
	10/16/14	SoundEarth	24.83	246.43	<100	<0.35	<1	<1	<3	ND	--	<50	<250	<1	<1	--	--	<1	--	<1	<0.1
B11	04/03/08	Riley Group	--	--	--	<1	<1	<1	<3	ND	--	--	--	--	--	--	--	--	--	--	--
MTCA Method A Cleanup Levels for Groundwater⁽⁹⁾					1,000/800⁽¹⁰⁾	5	1,000	700	1,000	varies	0.1	500	500	50	5	8	8	5	NA	15	2

NOTES:

- Red indicates concentrations exceeding MTCA Method A cleanup levels for groundwater.
- 2012 Samples analyzed by Friedman & Bruya, Inc., of Seattle, Washington.
- 1997 Samples analyzed for Environmental Partners by ARI, Inc., of Seattle, Washington.
- ⁽¹⁾Elevation reference datum NAVD88 (Dowl HKM November 2012).
- ⁽²⁾Analyzed by Northwest Total Petroleum Hydrocarbon Method NWTPH-Gx (gasoline) and NWTPH-Dx (diesel and oil).
- ⁽³⁾Analyzed by EPA Method 8260B, 8260C, or 8021B.
- ⁽⁴⁾Analyzed by EPA Method 8080 or 8082.
- ⁽⁵⁾Analyzed by EPA Method 200.8.
- ⁽⁶⁾Analyzed by EPA Method 1631E.
- ⁽⁷⁾Trace levels of acetone and chlorobenzene detected in 1997 were attributed to lab contaminants.
- ⁽⁸⁾1,000 µg/L when benzene is not present and 800 µg/L when benzene is present.
- ⁽⁹⁾MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.
- ⁽¹⁰⁾MW-3 also analyzed for non-MTCA metals barium, selenium, silver (non-detect or trace levels reported).

Laboratory Notes:

- ^{dv}Insufficient sample as available to achieve normal reporting limits and limits are raised accordingly.
- ^xThe sample chromatographic pattern does not resemble the fuel standard used for quantitation.

- = not analyzed, not measured
- < = not detected above the laboratory reporting limit
- µg/L = micrograms per liter
- DRPH = diesel-range petroleum hydrocarbons
- EPA = U.S. Environmental Protection Agency
- EPI = Environmental Partners, Inc.
- GRPH = gasoline-range petroleum hydrocarbons
- MTCA = Washington State Model Toxics Control Act
- NA = not applicable
- NAVD88 = North American Vertical Datum of 1988
- ND = not detected (variable detection limits)
- NWTPH = Northwest Total Petroleum Hydrocarbon
- ORPH = oil-range petroleum hydrocarbons
- PCB = polychlorinated biphenyl
- Riley Group = the Riley Group, inc.
- SoundEarth = SoundEarth Strategies, Inc.
- TOC = top of casing elevation
- VOC = volatile organic compound