

May 10, 2019

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P.O. Box 47600
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**SUBJECT: MARCH/APRIL 2019 QUARTERLY GROUNDWATER MONITORING RESULTS
Nel/Son Distributing Granite Falls
Voluntary Cleanup Program Site ID 12684**

Mr. Maurer:

This letter presents the results of quarterly groundwater monitoring conducted in March and April 2019 at the Nel/Son Distributing Granite Falls Site (Site). This is the 10th quarterly monitoring event since completion of a remedial action to remove petroleum-contaminated soils at the Site in July 2016.

Floyd|Snider collected samples from the five Site monitoring wells, MW-01 through MW-05, on March 25 and April 4, 2019 (Exhibit 1). Groundwater samples were collected using low-flow methodology, and purged groundwater was collected in a U.S. Department of Transportation-approved drum pending profiling and disposal. The groundwater samples were analyzed for gasoline-range organics (GRO); diesel-range organics (DRO); oil-range organics (ORO); and benzene, toluene, ethylbenzene, and xylenes (BTEX) by Friedman & Bruya, Inc., in Seattle, Washington.

Laboratory analytical data for March/April 2019 quarterly monitoring, as well as prior quarterly monitoring events, are presented in the enclosed Table 1. During March/April 2019 monitoring, DRO was detected at MW-03, MW-04, and MW-05 located on the western and central portions of the Site. At MW-05 in the north-central portion of the Site, the detected DRO concentration of 660 micrograms per liter ($\mu\text{g/L}$) exceeded the established Site cleanup level (CUL; Model Toxics Control Act Method A CUL) of 500 $\mu\text{g/L}$. DRO concentrations at MW-03 and MW-04 were less than the CUL. ORO was also detected at 670 $\mu\text{g/L}$ at MW-05, exceeding the CUL of 500 $\mu\text{g/L}$. ORO was not detected at MW-03 and MW-04. The detected DRO and ORO results were assigned a data qualifier by the laboratory indicating a poor chromatographic match to the diesel standard caused by interference from naturally occurring polar organic compounds. Samples with detectable DRO or ORO were subsequently re-analyzed using silica gel cleanup to remove the interfering organic compounds. After silica gel cleanup, DRO was not detected in the sample from MW-05 and remained less than the CUL at MW-03 and MW-04. ORO was also not detected in

the sample from MW-05 after silica gel cleanup. GRO, ORO, and BTEX were not detected in samples from any Site wells.

All sample results collected by Floyd|Snider will be uploaded to the Washington State Department of Ecology Environmental Information Management database. We anticipate that we will complete the next quarterly monitoring event in June 2019.

Sincerely,
FLOYD | SNIDER



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Senior Environmental Engineer



Kristin Anderson, LHG
Geologist

Encl.: Table 1 Groundwater Analytical Data
Exhibit 1 Site Map (produced by Slotta Design and Consulting)
Copies: Dianne K. Conway, Gordon Thomas Honeywell, LLP
Mark Nelson, Nel/Son Distributing, Inc.

Table 1
Groundwater Analytical Data

Analysis Method			USEPA 8021B				NWTPH-Gx	NWTPH-Dx	
Analyte			Benzene	Ethylbenzene	Toluene	Total Xylenes	Gasoline-Range Organics	Diesel-Range Organics	Oil-Range Organics
MTCA Method A Cleanup Level			5	700	1,000	1,000	800/1,000 ⁽¹⁾	500	500
Unit			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Well ID	Sampler	Date							
MW-01	Slotta Design and Construction ⁽²⁾	11/11/2015	1 U	1 U	1 U	3 U	50 U	650	<i>1,200 U</i>
		9/9/2016	1 U	1 U	1 U	3 U	50 U	130 U	300
		12/12/2016	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		3/17/2017	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		7/12/2017	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		11/6/2017	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		3/15/2018	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		6/19/2018	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		9/28/2018	1 U	1 U	1 U	3 U	50 U	130 U	250 U
	Floyd Snider ⁽³⁾	12/21/2018	1 U	1 U	1 U	3 U	100 U	50 U	250 U
	3/25/2019	1 U	1 U	1 U	3 U	100 U	50 U	250 U	
MW-02	Slotta Design and Construction ⁽²⁾	11/11/2015	1 U	1 U	1 U	3 U	50 U	640	<i>1,200 U</i>
		9/9/2016	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		12/12/2016	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		3/17/2017	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		7/12/2017	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		11/6/2017	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		3/15/2018	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		6/19/2018	1 U	1 U	1 U	3 U	50 U	130 U	250 U
		9/28/2018	1 U	1 U	1 U	3 U	50 U	130 U	250 U
	Floyd Snider ⁽³⁾	12/21/2018	1 U	1 U	1 U	3 U	100 U	50 U	250 U
	4/04/2019	1 U	1 U	1 U	3 U	100 U	50 U	250 U	
MW-03	Slotta Design and Construction ⁽²⁾	11/11/2015	1 U	1 U	1 U	3 U	83	1,600	<i>1,200 U</i>
		9/9/2016	1 U	1 U	1 U	3 U	110	1,100	530
		12/12/2016	1 U	1 U	1 U	3 U	67	620	310
		3/17/2017	1 U	1 U	1 U	3 U	100	420	250 U
		7/12/2017	1 U	1 U	1 U	3 U	63	170	250 U
		11/6/2017	1 U	1 U	1 U	3 U	50 U	230	250 U
		3/15/2018	1 U	1 U	1 U	3 U	50 U	300	250 U
		6/19/2018	1 U	1 U	1 U	3 U	50 U	340	250 U
		9/28/2018	1 U	1 U	1 U	3 U	50 U	220	250 U
	Floyd Snider ⁽³⁾	12/21/2018	1 U	1 U	1 U	3 U	100 U	68 ⁽⁴⁾	250 U
	3/25/2019	1 U	1 U	1 U	3 U	100 U	110 ⁽⁴⁾	250 U	
	3/25/2019 ⁽⁵⁾	--	--	--	--	--	69 ⁽⁴⁾	250 U	
MW-04	Slotta Design and Construction ⁽²⁾	11/11/2015	33	1.6	1.2	7.2	250	2,200	<i>1,200 U</i>
		9/9/2016	1 U	1 U	1 U	3 U	420	230	250 U
		12/12/2016	1 U	1 U	1 U	3 U	140	6,600	3,400
		3/17/2017	1 U	1 U	1 U	3 U	130	300	250 U
		7/12/2017	1 U	1 U	1 U	3 U	80	140	250 U
		11/6/2017	1 U	1 U	1 U	3 U	78	2,000	1,200
		3/15/2018	1 U	1 U	1 U	3 U	70	290	250 U
		6/19/2018	1 U	1 U	1 U	3 U	50 U	370	250 U
		9/28/2018	1 U	1 U	1 U	3 U	56	320	250 U
	Floyd Snider ⁽³⁾	12/21/2018	1 U	1 U	1 U	3 U	100 U	160 ⁽⁴⁾	250 U
	4/04/2019	1 U	1 U	1 U	3 U	100 U	290 ⁽⁴⁾	250 U	
	4/04/2019	--	--	--	--	--	110	250 U	
MW-05	Slotta Design and Construction ⁽²⁾	11/11/2015	1 U	1 U	1 U	3 U	50 U	830	<i>510 U</i>
		9/9/2016	1 U	1 U	1 U	3 U	50 U	1,100	1,100
		12/12/2016	1 U	1 U	1 U	3 U	50 U	250	250 U
		3/17/2017	1 U	1 U	1 U	3 U	50 U	290	260
		7/12/2017	1 U	1 U	1 U	3 U	50 U	140	250 U
		11/6/2017	1 U	1 U	1 U	3 U	50 U	600	650
		3/15/2018	1 U	1 U	1 U	3 U	50 U	350	320
		6/19/2018	1 U	1 U	1 U	3 U	50 U	500	410
		9/23/2018	1 U	1 U	1 U	3 U	50 U	520	410
	Floyd Snider ⁽³⁾	12/21/2018	1 U	1 U	1 U	3 U	100 U	250 ⁽⁴⁾	250 U
	3/25/2019	1 U	1 U	1 U	3 U	100 U	660 ⁽⁴⁾	670 ⁽⁴⁾	
	3/25/2019 ⁽⁵⁾	--	--	--	--	--	50 U	250 U	

Notes:

-- Not analyzed.

Italic Reporting limit exceeds criterion.

BOLD/RED Detected exceedance of criterion.

Sample collected prior to excavation to remove contaminated soil at the Site.

1 Benzene present in groundwater/no detectable benzene in groundwater.

2 Samples collected by Slotta Design and Construction were analyzed by ALS in Everett, Washington.

3 Samples collected by Floyd|Snider were analyzed by Friedman & Bruya, Inc., in Seattle, Washington.

4 The laboratory noted that the sample chromatographic pattern does not resemble the fuel standard used for quantitation and appears to contain naturally occurring polar organic material that would be removed with silica gel cleanup.

5 Samples were re-analyzed for diesel- and oil-range organics after performing silica gel cleanup.

Abbreviations:

µg/L Micrograms per liter

MTCA Model Toxics Control Act

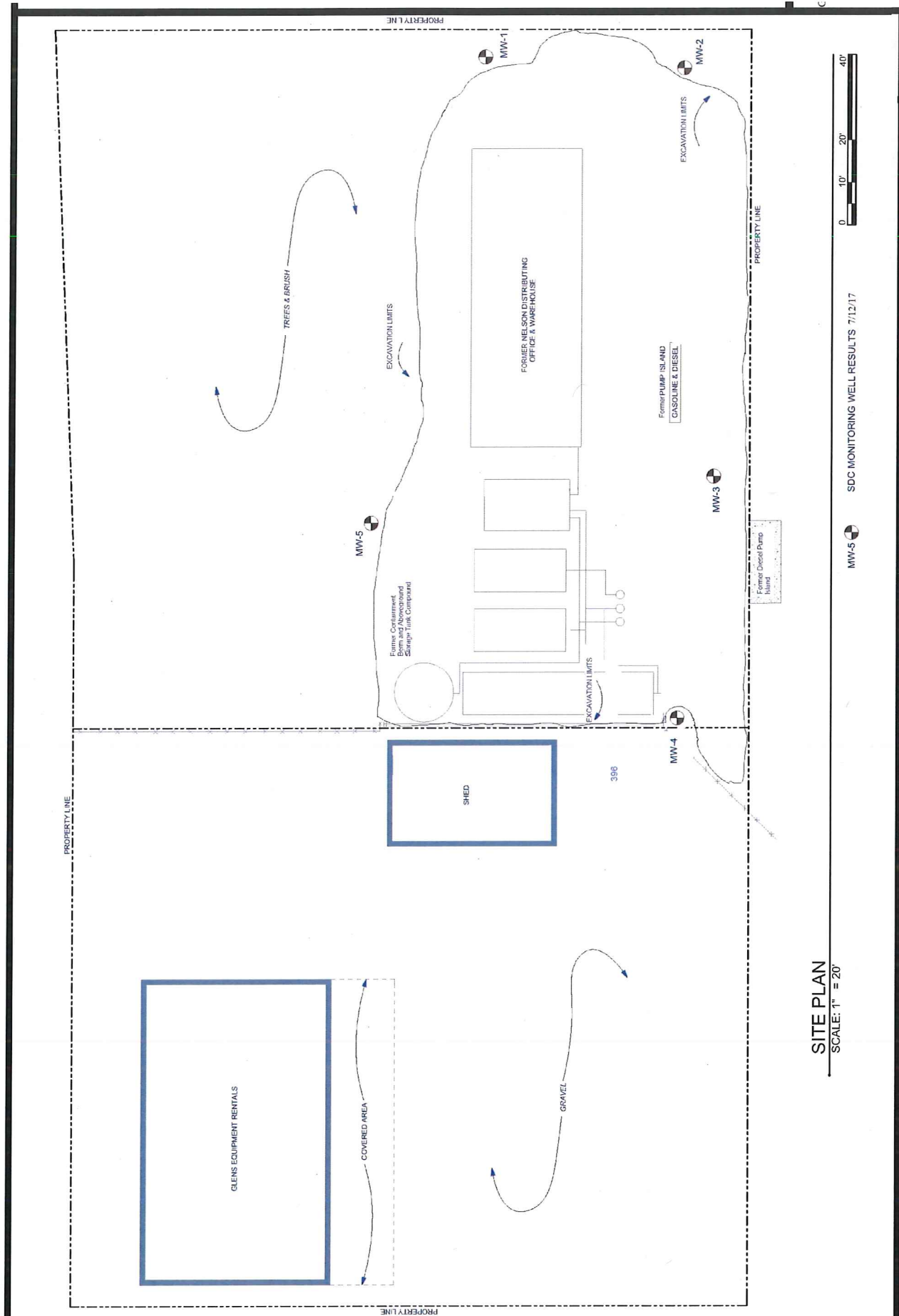
NWTPH Northwest Total Petroleum Hydrocarbons

USEPA U.S. Environmental Protection Agency

Qualifier:

U Analyte was not detected at the given reporting limit.

Exhibit 1 Site Map



SITE PLAN
SCALE: 1" = 20'

MW-5 MW-4 MW-3 MW-2 MW-1 SDC MONITORING WELL RESULTS 7/12/17

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Q2 2018
Site Map