NW Natural
220 NW 2ND AVENUE
PORTLAND, OR 97209
TEL 503.226.4211
www.nwnatural.com

February 14, 2020

Mr. Randall Bailey
Oregon Department of Environmental Quality
Northwest Region
700 NE Multnomah St., Suite 600
Portland, Oregon 97232

Re: January 2020 Discharge Monitoring Report
NW Natural Source Control Groundwater Treatment Facility
7900 NW St. Helens Road, Portland
NPDES Permit Number 103061 (permit renewal pending with DEQ)

Dear Mr. Bailey:

Attached please find the electronic Discharge Monitoring Report, as well as a detailed summary of January 2020 effluent data, from the NW Natural Source Control Groundwater Treatment Facility for the period January 1—January 31, 2020.

All samples were taken by Sevenson Environmental Services (SES) at the designated monitoring point. Any internal process samples taken by SES for process operation, but not taken at the designated monitoring point, are not reported.

All NPDES parameter limits were met for the month of January. As reported in Sevenson's December 2019 report, APEX Laboratory's subcontractor for certified low-level mercury testing, ACZ, has been experiencing problems with its mercury analytical device.

As a result of the continuing issue with ACZ, Sevenson sent the first three January samples to APEX Laboratory for the low-level mercury analysis. As we noted previously, APEX has applied for DEQ certification to perform low-level mercury analyses and has been audited by DEQ, but has not yet received the certification. The APEX analyses of the samples are included in this report. The results of APEX's December analyses shown are similar to those found in the past that were performed by ACZ. We were notified by ACZ in January that their analytical device was functioning. The fourth January mercury sample was sent to ACZ for analysis. Note that all four January samples (3 from APEX and 1 from ACZ) show similar mercury concentrations and are also similar to past mercury concentrations.

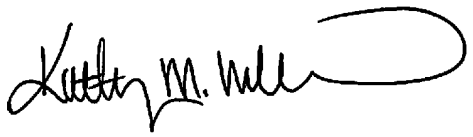
We are submitting this January DMR through the electronic NetDMR system. As required, all of the detailed laboratory reports and other data that are summarized in the September NetDMR will be retained on site in electronic and hard copy by SES, the Facility operator.

I certify under penalty of law that this document and all documents were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

If you have any questions about this package, please contact Terry Driscoll at Aponowich, Driscoll & Associates, Inc., at (404) 641-8107, tpdriscoll@mindspring.com.

Very truly yours,



Kathryn Williams
Vice President of Public Affairs
NW Natural

DMR Copy of Record

Permit					
Permit #:	**OR0044687**	**Permittee:**	NORTHWEST NATURAL	**Facility:**	NW NATURAL GAS SITE REMEDIATION
Major:	No	**Permittee Address:**	220 NW 2nd Ave Portland, OR 97209-3943	**Facility Location:**	7900 NW ST/ HELENS RD MULTNOMAH, OR 97210
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** Groundwater 001A		
Report Dates & Status					
Monitoring Period:	**From 01/01/20 to 01/31/20**	**DMR Due Date:**	**02/15/20**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	Kathryn	**Title:**	Vice President-Public Affairs	**Telephone:**	503-226-4211
Last Name:	Williams				
No Data Indicator (NODI)					
Form NODI:	--				

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.5			=	7.7	12 - SU		WH/DS - When Discharging	GR - GRAB
					Permit Req.						>=	6.5 DAILY MN			<=	8.5 DAILY MX	12 - SU		WH/DS - When Discharging	GR - GRAB
					Value NODI															
00720	Cyanide, total [as CN]	1 - Effluent Gross	0	--	Sample								=	160.0	=	170.0	28 - ug/L		WH/DS - When Discharging	CP - COMPOS
					Permit Req.								<=	510.0 MO AVG	<=	1000.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	CP - COMPOS
					Value NODI															
00980	Iron, total recoverable	1 - Effluent Gross	0	--	Sample								=	150.0	=	170.0	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	820.0 MO AVG	<=	1600.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.0	<	0.1	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	5.0 MO AVG	<=	7.6 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.14	=	0.54	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	15.0 MO AVG	<=	30.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
34247	Benzo[a]pyrene	1 - Effluent Gross	0	--	Sample								=	0.0	<	0.021	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	1.0 MO AVG	<=	1.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
34403	Indeno[1,2,3-cd]pyrene	1 - Effluent Gross	0	--	Sample								=	0.0	<	0.021	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	1.0 MO AVG	<=	1.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
34526	Benzo[a]anthracene	1 - Effluent Gross	0	--	Sample								=	0.0	<	0.021	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	1.0 MO AVG	<=	1.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
34556	Dibenz[a,h]anthracene	1 - Effluent Gross	0	--	Sample								=	0.0	<	0.021	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	1.0 MO AVG	<=	1.0 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.001	=	0.0016	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Permit Req.								<=	0.01 MO AVG	<=	0.02 DAILY MX	28 - ug/L		WH/DS - When Discharging	24 - COMP24
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
January2020DMR-Final.xls	xls	54784.0
2020-02-14January2020DMRCoverLetter.pdf	pdf	97650.0

Report Last Saved By

NORTHWEST NATURAL

User: JENAMOTT

Name:	Jennifer Mott
E-Mail:	jmott@anchorqea.com
Date/Time:	2020-02-14 07:47 (Time Zone: -08:00)
Report Last Signed By	
User:	JENAMOTT
Name:	Jennifer Mott
E-Mail:	jmott@anchorqea.com
Date/Time:	2020-02-14 07:47 (Time Zone: -08:00)

NW Natural Source Control Treatment Plant
Monthly Effluent Sampling Report Data
Permit Number 103061
File Number 120589
Report Due Date 02/15/20
Sampling Period 01/01/20 thru 01/31/20

Date	Total Flow	pH	Average Daily Temp	Maximum Daily Temp	Max Temp 7-day Moving Average	Total Cyanide		Benzo(a) anthracene		Benzo(a) pyrene		Dibenzo(a,h) anthracene		Indeno(1,2,3-cd) pyrene		Copper		Iron		Lead		Mercury	
	Gals/Day	S.U.	deg F	deg F	deg F	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L	ug/L	QL, ug/L
1-Jan-2020	316106		57.9	59.0	58.0																		
2-Jan-2020	313807		57.3	58.0	58.1																		
3-Jan-2020	324802		58.0	59.0	58.3																		
4-Jan-2020	310204		57.2	58.0	58.1																		
5-Jan-2020	326346	**7.5**	57.0	57.0	58.1																		
6-Jan-2020	263080		56.9	57.0	58.0	**140**	25	**<0.019**	0.038	**<0.019**	0.038	**<0.019**	0.038	**<0.019**	0.038	**<0.50**	1.0	**150**	50	**<0.10**	0.20	**0.0010**	0.0005 *
7-Jan-2020	270612		57.0	57.0	57.9																		
8-Jan-2020	252890		56.9	58.0	57.7																		
9-Jan-2020	300542		56.3	57.0	57.6																		
10-Jan-2020	292476		57.0	58.0	57.4																		
11-Jan-2020	271896		57.0	58.0	57.4																		
12-Jan-2020	291768	**7.5**	56.7	57.0	57.4																		
13-Jan-2020	279509		56.0	56.0	57.3	**160**	25	**<0.019**	0.038	**<0.019**	0.038	**<0.019**	0.038	**<0.019**	0.038	**<0.50**	1.0	**150**	50	**<0.10**	0.20	**0.0011**	0.0005 *
14-Jan-2020	276810		56.0	56.0	57.1																		
15-Jan-2020	299814		56.0	57.0	57.0																		
16-Jan-2020	295369		56.0	57.0	57.0																		
17-Jan-2020	293962		56.1	57.0	56.9																		
18-Jan-2020	301307		56.6	58.0	56.9																		
19-Jan-2020	322458	**7.7**	57.3	58.0	57.0																		
20-Jan-2020	315077		57.0	57.0	57.1	**160**	25	**<0.021**	0.043	**<0.021**	0.043	**<0.021**	0.043	**<0.021**	0.043	**0.54**	1.0	**170**	50	**<0.10**	0.20	**0.0016**	0.0005 *
21-Jan-2020	288689		57.0	57.0	57.3																		
22-Jan-2020	282738		57.0	58.0	57.4																		
23-Jan-2020	277570		57.9	58.0	57.6																		
24-Jan-2020	262217		58.1	59.0	57.9																		
25-Jan-2020	264568		58.3	59.0	58.0																		
26-Jan-2020	275908	**7.5**	58.1	59.0	58.1																		
27-Jan-2020	282732		57.4	58.0	58.3	**170**	25	**<0.019**	0.038	**<0.019**	0.038	**<0.019**	0.038	**<0.019**	0.038	**<0.50**	1.0	**130**	50	**<0.10**	0.20	**0.0004**	0.001
28-Jan-2020	291143		57.3	58.0	58.4																		
29-Jan-2020	283075		57.9	59.0	58.6																		
30-Jan-2020	265549		57.4	58.0	58.6																		
31-Jan-2020	266352		58.5	59.0	58.6																		
Daily Minimum	252,890	7.5	56.0			140		<0.019		<0.019		<0.019		<0.019		<0.50		130		<0.10		0.0004	
Monthly Average	289,012	7.6	57.1			160		0.0		0.0		0.0		0.0		0.14		150		0.0		0.0010	
Daily Maximum	326,346	7.7	58.5	59.0		170		<0.021		<0.021		<0.021		<0.021		0.54		170		<0.10		0.0016	
Limits																							
Monthly Average		6.5--8.5				510	**5.0**	< 1.0	**1.0**	< 1.0	**1.0**	< 1.0	**1.0**	< 1.0	**1.0**	15	**10**	820	**100**	3.8	**5**	0.010	**0.005**
Daily Maximum		6.5--8.5				1,000	**5.0**	< 1.0	**1.0**	< 1.0	**1.0**	< 1.0	**1.0**	< 1.0	**1.0**	30	**10**	1,600	**100**	7.6	**5**	0.020	**0.005**
7-Day Moving Average of Daily Maximum					57.7																		
Maximum Value of 7-Day Moving Average					58.6																		

* Non-Accredited Analyses: Mercury by EPA 1631E
Analysis of samples for Mercury by EPA 1631E was performed prior to final accreditation being received from the ORELAP accrediting body.