August 14, 2020

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

**Re: July 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 July 2020 effluent data, from the NW Natural Source Control Groundwater Treatment Facility for the period July 1 -July 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 July.

Through a subcontractor, SES performed a scheduled inspection and maintenance on the plant outfall and diffuser.  The diffuser structure was checked and found to be sound, the pipe was pressure washed to remove marine growth and a sacrificial anode was welded on to the diffuser to reduce corrosion and extend the diffuser life.  A report outlining the details of the outfall work will be submitted under separate cover.

We are submitting this July DMR through the electronic NetDMR system.  As required, all of the detailed laboratory reports and other data that are summarized in the NetDMR will be retained on site in electronic and hard copy by SES, the Facility operator.
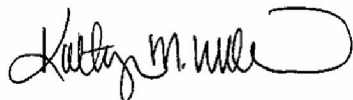
I certify under penalty of law that this document and all documents were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted.  Based on my inquiry of the person or

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<br>Portland, OR 97209-3943 | Facility Location: | 7900 NW ST/ HELENS RD<br>MULTNOMAH, OR 97210 |
| Permitted Feature: | 001<br>External Outfall | Discharge: | **001-A**<br>Groundwater 001A | | |

**Report Dates & Status**

| | | | | | |
|---|---|---|---|---|---|
| Monitoring Period: | **From 07/01/20 to 07/31/20** | DMR Due Date: | **08/15/20** | 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:   --

| Code | Name | Monitoring Location | Season # | Param. NODI | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Quantity or Loading** | | | | | **Quality or Concentration** | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.5 | 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 | = | 180.0 | | | 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 | | | | | | = | 130.0 | = | 140.0 | | | 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 | | | | | | = | 0.09 | = | 0.13 | | | 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 | | | | | | = | 0.0 | < | 1.0 | | | 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 | < | 0.019 | | | 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 | < | 0.019 | | | 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 | < | 0.019 | | | 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 | < | 0.019 | | | 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 | = | 0.0011 | | | 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 |
|---|---|---|

| 2020-08-14July2020DMRCoverLetter.pdf | | pdf | 162945.0 |
| --- | --- | --- | --- |
| July2020DMRFinal.xlsx | | xlsx | 26520.0 |

**Report Last Saved By**

*NORTHWEST NATURAL*

| | |
| --- | --- |
| User: | JENAMOTT |
| Name: | Jennifer   Mott |
| E-Mail: | jmott@anchorqea.com |
| Date/Time: | 2020-08-14  09:00   (Time Zone: -07:00) |

**Report Last Signed By**

| | |
| --- | --- |
| User: | JENAMOTT |
| Name: | Jennifer   Mott |
| E-Mail: | jmott@anchorqea.com |
| Date/Time: | 2020-08-14  09:00   (Time Zone: -07:00) |

**NW Natural Source Control Treatment Plant**
**Monthly Effluent Sampling Report Data**
**Permit Number** 103061
**File Number** 120589
**Report Due Date** 08/15/20
**Sampling Period** 07/01/20 thru 07/31/20

| Date | Total Flow Gals/Day | pH S.U. | Average Daily Temp deg F | Maximum Daily Temp deg F | Max Temp 7-day Moving Average deg F | Total Cyanide ug/L | QL, ug/L | Benzo(a) anthracene ug/L | QL, ug/L | Benzo(a) pyrene ug/L | QL, ug/L | Dibenzo(a,h) anthracene ug/L | QL, ug/L | Indeno(1,2,3-cd) pyrene ug/L | QL, ug/L | Copper ug/L | QL, ug/L | Iron ug/L | QL, ug/L | Lead ug/L | QL, ug/L | Mercury ug/L | QL, ug/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-Jul-2020 | 267334 | | 61.4 | 63.0 | 63.1 | | | | | | | | | | | | | | | | | | |
| 2-Jul-2020 | 256056 | | 61.0 | 62.0 | 62.9 | | | | | | | | | | | | | | | | | | |
| 3-Jul-2020 | 265994 | | 61.4 | 62.0 | 62.4 | | | | | | | | | | | | | | | | | | |
| 4-Jul-2020 | 259825 | | 61.4 | 62.0 | 62.1 | | | | | | | | | | | | | | | | | | |
| 5-Jul-2020 | 274873 | 7.2 | 61.5 | 62.0 | 62.1 | | | | | | | | | | | | | | | | | | |
| 6-Jul-2020 | 284107 | | 61.4 | 62.0 | 62.1 | 150 | 25 | <0.019 | 0.038 | <0.019 | 0.038 | <0.019 | 0.038 | <0.019 | 0.038 | <1.0 | 2.0 | 95 | 50 | <0.10 | 0.20 | 0.0007 | 0.0005 |
| 7-Jul-2020 | 266827 | | 61.4 | 62.0 | 62.1 | | | | | | | | | | | | | | | | | | |
| 8-Jul-2020 | 293646 | | 61.5 | 63.0 | 62.1 | | | | | | | | | | | | | | | | | | |
| 9-Jul-2020 | 285649 | | 61.4 | 63.0 | 62.3 | | | | | | | | | | | | | | | | | | |
| 10-Jul-2020 | 282815 | | 61.8 | 63.0 | 62.4 | | | | | | | | | | | | | | | | | | |
| 11-Jul-2020 | 268788 | | 61.9 | 63.0 | 62.6 | | | | | | | | | | | | | | | | | | |
| 12-Jul-2020 | 298943 | 7.5 | 61.6 | 62.0 | 62.6 | | | | | | | | | | | | | | | | | | |
| 13-Jul-2020 | 283216 | | 61.5 | 63.0 | 62.7 | 170 | 25 | <0.019 | 0.039 | <0.019 | 0.039 | <0.019 | 0.039 | <0.019 | 0.039 | <1.0 | 2.0 | 140 | 50 | 0.11 | 0.20 | 0.0010 | 0.0005 |
| 14-Jul-2020 | 285129 | | 62.3 | 65.0 | 63.1 | | | | | | | | | | | | | | | | | | |
| 15-Jul-2020 | 263321 | | 63.0 | 65.0 | 63.4 | | | | | | | | | | | | | | | | | | |
| 16-Jul-2020 | 291107 | | 62.8 | 64.0 | 63.6 | | | | | | | | | | | | | | | | | | |
| 17-Jul-2020 | 280920 | | 62.0 | 64.0 | 63.7 | | | | | | | | | | | | | | | | | | |
| 18-Jul-2020 | 284782 | | 61.8 | 64.0 | 63.9 | | | | | | | | | | | | | | | | | | |
| 19-Jul-2020 | 290664 | 7.3 | 63.1 | 67.0 | 64.6 | | | | | | | | | | | | | | | | | | |
| 20-Jul-2020 | 298250 | | 63.3 | 65.0 | 64.9 | 140 | 25 | <0.019 | 0.039 | <0.019 | 0.039 | <0.019 | 0.039 | <0.019 | 0.039 | <1.0 | 2.0 | 140 | 50 | 0.13 | 0.20 | 0.0011 | 0.0005 |
| 21-Jul-2020 | 268032 | | 63.4 | 65.0 | 64.9 | | | | | | | | | | | | | | | | | | |
| 22-Jul-2020 | 276598 | | 63.1 | 65.0 | 64.9 | | | | | | | | | | | | | | | | | | |
| 23-Jul-2020 | 284592 | | 61.9 | 63.0 | 64.7 | | | | | | | | | | | | | | | | | | |
| 24-Jul-2020 | 304721 | | 61.5 | 63.0 | 64.6 | | | | | | | | | | | | | | | | | | |
| 25-Jul-2020 | 308641 | | 61.3 | 63.0 | 64.4 | | | | | | | | | | | | | | | | | | |
| 26-Jul-2020 | 296893 | 7.4 | 62.7 | 65.0 | 64.1 | | | | | | | | | | | | | | | | | | |
| 27-Jul-2020 | 286626 | | 63.7 | 65.0 | 64.1 | 180 | 25 | <0.019 | 0.038 | <0.019 | 0.038 | <0.019 | 0.038 | <0.019 | 0.038 | <1.0 | 2.0 | 130 | 50 | 0.10 | 0.20 | 0.0010 | 0.0010 |
| 28-Jul-2020 | 295714 | | 63.3 | 65.0 | 64.1 | | | | | | | | | | | | | | | | | | |
| 29-Jul-2020 | 303528 | | 62.9 | 65.0 | 64.1 | | | | | | | | | | | | | | | | | | |
| 30-Jul-2020 | 277574 | | 63.3 | 65.0 | 64.4 | | | | | | | | | | | | | | | | | | |
| 31-Jul-2020 | 284384 | | 63.8 | 66.0 | 64.9 | | | | | | | | | | | | | | | | | | |
| Daily Minimum | 256,056 | 7.2 | 61.0 | | | 140 | | <0.019 | | <0.019 | | <0.019 | | <0.019 | | <1.0 | | 95 | | <0.10 | | 0.0007 | |
| Monthly Average | 282,889 | 7.4 | 62.2 | | | 160 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 0.0 | | 130 | | 0.09 | | 0.0010 | |
| Daily Maximum | 308,641 | 7.5 | 63.8 | 67.0 | | 180 | | <0.019 | | <0.019 | | <0.019 | | <0.019 | | <1.0 | | 140 | | 0.13 | | 0.0011 | |
| **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 | | | | | 63.5 | | | | | | | | | | | | | | | | | | |
| Maximum Value of 7-Day Moving Average | | | | | 64.9 | | | | | | | | | | | | | | | | | | |

NWN-PCI0786431