



February 10, 2020

PEASE TRADEPORT WATER SUPPLY UPDATE

The City’s engineering consultant continues to sample the performance of the activated carbon filters based on the amount of water treated. With the newly adopted New Hampshire Maximum Contaminant Levels (MCLs) for PFOA, PFOS, PFHxS and PFNA in place we are now sampling at the recommended lab detection limit which goes down to 2 ppt. Per NHDES, any sample with “estimated numbers below the reporting limit are considered non-detects.” Due to the loss of the Haven Well, in order to meet the Pease Tradeport Water System demand, water from the Portsmouth water system is boosted into the Pease system and blended with the treated water from the Harrison and Smith wells. The following table provides a summary of the most recent treatment system testing results from samples taken on December 18, 2019.

PFAS Sampling for September 20, 2019

Sample Point	PFHxS	PFNA	PFOS	PFOA
NH MCLs (ppt)	18	11	15	12
Grafton Road Treatment	ND	ND	ND	ND

Notes:

“NH MCLs” are the New Hampshire Maximum Contaminant Levels (effective October 1, 2019). These levels are currently on hold for enforcement purposes due to an ongoing lawsuit.

“ND” is considered Non Detect. Per NHDES, “estimated numbers below the reporting limit are considered Non Detects.”

ONGOING WATER QUALITY MONITORING AND UPDATES

The Air Force’s consultant continues to perform routine sampling of the water supply wells in the Pease water system. In addition to these water supply wells, the Air Force’s consultant samples other monitoring wells in the surrounding area to track the aquifer and monitor for any PFAS moving toward the supply wells. Currently, with the demonstration filters on line, the supply wells are sampled monthly and eleven monitoring wells are sampled quarterly. Sampling data is posted on the City’s website once it has been validated by the Air Force’s engineering consultant.

Information is also posted on the City’s website for the City of Portsmouth’s PFAS sampling program.

All samples collected are analyzed BUREAU VERITAS laboratories (formerly Maxxam), the same laboratory that has been performing the Pease well PFAS analysis since 2014. Data for the Pease Well sampling is uploaded to the City’s website when it is validated by the Air Force’s consultant and sent to the City. A summary of the data for the Pease Well Carbon Treatment Demonstration Project is provided on the City’s website.

FINAL TREATMENT SYSTEM CONSTRUCTION



Rendering of Proposed Drinking Water Treatment Facility Upgrade – Grafton Road

Construction of the final treatment system, which includes both resin and activated carbon filtration systems, began in April 2019. Demolition of older structures began at that time and continues. Recent work includes construction of the underground treated water storage tanks and associated site work around the building.



Installation of New Carbon Filters



New Building Under Construction

SITE 8 INTERIM MITIGATION SYSTEM (excerpted from FORMER PEASE AIR FORCE BASE RESTORATION ADVISORY BOARD JANUARY 2020 UPDATE)

PFOS/PFOA FIELD WORK

- December monthly samples from the Smith, Harrison, Portsmouth, and Collins wells were collected on 4 December 2019.
- January monthly samples from the Smith, Harrison, Portsmouth, and Collins were collected on 21 January 2020.
- Quarterly AIMS Performance Monitoring Sampling at 17 groundwater monitoring wells was conducted on 4 and 5 December 2019.
- December AIMS and Site 8 IMS Performance Monitoring routine monthly groundwater elevation gauging events were conducted during the week of 9 December 2019.
- Quarterly Private Well Monitoring at 8 drinking water wells was conducted during the week of 9 December 2019.

AIRFIELD INTERIM MITIGATION SYSTEM

- Since startup in April 2019, the system has treated approximately 138,372,000 gallons of groundwater through 6 January 2020.
- The system was off from 18 November through 26 November 2019 for upgrades to process piping.
- The system operated for the month of December with shutdowns only for routine maintenance.
- Treated water being discharged is below detectable levels for PFOS and PFOA.

PUBLIC OUTREACH AND OTHER INFORMATION

The next Pease Restoration Advisory Board (RAB) meeting will be held at 6:00 pm on March 18, 2020 at the Pease office of the New Hampshire Department of Environmental Services. A copy of the December, 2019 RAB meeting presentation can be accessed on the City's website: <http://files.cityofportsmouth.com/files/ww/PeaseRABmeeting12.2019.pdf>

Testing for Pease completed their Non-target analysis of PFAS in addition to the 23 compounds that we are already sampling. The Air Force also participated utilizing water from the Site 8 Fire Training Center treatment system. A presentation was given by the lead investigator, Dr. Christopher Higgins, with the Colorado School of Mines during the last Restoration Advisory Board (RAB) meeting showing results. Their data confirmed the analysis trend from the ongoing monitoring and treatment of the Pease Wells. Their results also showed that the compounds they detected beyond what we test for were all removed by the carbon filters.

NEW HAMPSHIRE PFAS REGULATIONS

The state of New Hampshire's legislature's administrative rules committee approved drinking water standards for four Perfluorinated compounds (PFAS) compounds on July 18, 2019. These standards set maximum contaminant levels (MCLs) for public drinking water systems at the following levels:

- Perfluorooctanoic acid (PFOA): 12 ppt
- Perfluorooctane sulfonic acid (PFOS): 15 ppt
- Perfluorononanoic acid (PFNA): 11 ppt
- Perfluorohexane sulfonic acid (PFHxS): 18 ppt
 - ppt = Parts per Trillion

The new standards took effect in October 2019. However, in December 2019 Merrimack Superior Court judge Richard McNamara ruled that New Hampshire will have to stop enforcing its strict new limits on PFAS chemicals at the end of the year due to ongoing lawsuit: "The legal issues raised by Plaintiffs' challenge are complex, the importance of public health is paramount and the expense imposed by the proposed rule is significant." Despite this ruling, the Pease International Tradeport drinking water system will continue to sample for compliance with these standards.

Additional information can be accessed at:

www.cityofportsmouth.com/publicworks/water/pease-tradeport-water-system

or by calling Al Pratt, Water Resources Manager, at: 603-520-0622 or Brian Goetz, Deputy Director of Public Works at: 603-766-1420

Table 2
Summary of PFAS Analytical Results
Demonstration Project
December 2018 to December 2019

Sample Location	Collection Date	Filter 1 Volume (MG)	Filter 1 Bed Volumes	Filter 2 Volume (MG)	Filter 2 Bed Volumes	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDOA)	Perfluorooheptane sulfonate (PFHpS)	Perfluorooheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorooctanoic acid (FOA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)	PFOS+PFOA				
NHDES MCL:						-	-	-	-	-	-	-	-	-	-	-	-	-	0.018	-	0.012	0.011	-	0.015	-	-	-	-	-	-	-	-	
Method Detection Limit (MDL)						0.0065	0.0055	0.0053	0.0049	0.0040	0.0061	0.0019	0.0066	0.0043	0.0066	0.0057	0.0036	0.0047	0.0040	0.0046	0.0053	0.0046	0.0058	0.0033	0.0036	0.0052	0.0032	0.0037	-	-	-		
Reported Detection Limit (RDL)						0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
GAC changed out in both vessels (11/7/2018)																																	
Combined Raw	06-Dec-18	2.2	423	0.4	77	ND	ND	ND	ND	ND	ND	ND	0.0092 J	ND	ND	ND	ND	0.0140 J	0.0960	0.0360	0.0290	ND	ND	0.0470	0.0330	ND	ND	ND	ND	0.0760			
Filter 1- 25%	06-Dec-18	2.2	423	0.4	77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Combined Raw	10-Jan-19	6.9	1,320	5.1	973	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0280	0.0100 J	0.0084 J	ND	ND	0.0160 J	0.0100 J	ND	ND	ND	ND	0.0244 J			
Filter 1- 25%	10-Jan-19	6.9	1,320	5.1	973	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Filter 2-100%	10-Jan-19	6.9	1,320	5.1	973	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Combined Raw	07-Feb-19	18.0	3,430	16.2	3,083	ND	ND	ND	ND	ND	ND	ND	0.0100 J	ND	ND	ND	ND	0.0130 J	0.0600	0.0220	0.0180 J	ND	ND	0.0270	0.0210	ND	ND	ND	ND	0.0450 J			
Filter 1- 25%	07-Feb-19	18.0	3,430	16.2	3,083	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Filter 2-100%	07-Feb-19	18.0	3,430	16.2	3,083	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Combined Raw	07-Mar-19	29.0	5,590	27.2	5,243	ND	ND	ND	ND	ND	ND	0.0084 J	0.0130 J	ND	ND	ND	ND	0.0160 J	0.0920	0.0320	0.0280	ND	ND	0.0420	0.0310	ND	ND	ND	ND	0.0700			
Filter 1- 25%	07-Mar-19	29.0	5,590	27.2	5,243	ND	ND	ND	ND	ND	ND	ND	0.0089 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Filter 2-100%	07-Mar-19	29.0	5,590	27.2	5,243	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Combined Raw	05-Apr-19	40.9	7,816	39.1	7,469	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0091 J	0.0660	0.0210	0.0180 J	ND	ND	0.0250	0.0210	ND	ND	ND	ND	0.0430 J			
Filter 1- 25%	05-Apr-19	40.9	7,816	39.1	7,469	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0059 J	ND	ND	ND	ND	ND	ND		
Filter 1- 50%	05-Apr-19	40.9	7,816	39.1	7,469	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Filter 2-100%	05-Apr-19	40.9	7,816	39.1	7,469	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Combined Raw	09-May-19	54.7	10,434	52.9	10,087	ND	ND	ND	ND	ND	ND	ND	0.0073 J	ND	ND	ND	ND	0.0095 J	0.0730	0.0240	0.0200	ND	ND	0.0280	0.0210	ND	ND	ND	ND	0.0480 J			
Filter 1- 25%	09-May-19	54.7	10,434	52.9	10,087	ND	ND	ND	ND	ND	ND	ND	0.0097 J	ND	ND	ND	ND	ND	ND	0.0094 J	ND	ND	ND	ND	0.0170 J	ND	ND	ND	ND	ND	ND		
Filter 1- 50%	09-May-19	54.7	10,434	52.9	10,087	ND	ND	ND	ND	ND	ND	ND	0.0083 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0048 J	ND	ND	ND	ND	ND	ND		
Filter 2-100%	09-May-19	54.7	10,434	52.9	10,087	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Method Detection Limit (MDL)						0.00043	0.00047	-	-	-	-	0.00037	0.00045	0.00036	0.00018	0.00025	0.00063	0.00037	0.00033	0.00026	0.00023	0.00048	0.00031	0.00043	0.00048	0.00016	0.00030	0.00038	-	-			
Reported Detection Limit (RDL)						0.004	0.004	-	-	-	-	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	
Combined Raw	07-Jun-19	66.4	12,667	64.6	12,320	0.0007 J	ND	NA	NA	NA	NA	0.0043	0.0084	ND	ND	ND	0.0022	0.0100	0.0820	0.0240	0.0210	0.0009 J	ND	0.0330	0.0220	ND	ND	ND	ND	0.0540			
Filter 1- 25%	07-Jun-19	66.4	12,667	64.6	12,320	0.0006 J	ND	NA	NA	NA	NA	0.0017 J	0.0094	ND	ND	ND	ND	0.0040	0.0110	0.0140	0.0040	ND	ND	0.0021	0.0200	ND	ND	ND	ND	0.0061			
Filter 1- 50%	07-Jun-19	66.4	12,667	64.6	12,320	0.0005 J	ND	NA	NA	NA	NA	ND	0.0094	ND	ND	ND	ND	0.0008 J	0.0009 J	0.0047	0.0003 J	ND	ND	ND	0.0140	ND	ND	ND	ND	ND			
Filter 1- 75%	07-Jun-19	66.4	12,667	64.6	12,320	0.0005 J	ND	NA	NA	NA	NA	ND	0.0097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0023	ND	ND	ND	ND	ND			
Filter 2-100%	07-Jun-19	66.4	12,667	64.6	12,320	0.0005 J	ND	NA	NA	NA	NA	ND	0.0022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Combined Raw	08-Jul-19	78.9	15,054	77.1	14,707	0.0006 J	ND	NA	NA	NA	NA	0.0042	0.0079	ND	ND	ND	0.0018 J	0.0093	0.0740	0.0230	0.0220	0.0010 J	ND	0.0310	0.0220	ND	ND	ND	ND	0.0530			
Filter 1- 25%	08-Jul-19	78.9	15,054	77.1	14,707	ND	ND	NA	NA	NA	NA	0.0024	0.0074	ND	ND	ND	ND	0.0052	0.0240	0.0160	0.0087	ND	ND	0.0070	0.0190	ND	ND	ND	ND	0.0157			
Filter 1- 50%	08-Jul-19	78.9	15,054	77.1	14,707	ND	ND	NA	NA	NA	NA	0.0011 J	0.0082	ND	ND	ND	ND	0.0022	0.0043	0.0110	0.0024	ND	ND	0.0006 J	0.0170	ND	ND	ND	ND	0.0030 J			
Filter 1- 75%	08-Jul-19	78.9	15,054	77.1	14,707	ND	ND	NA	NA	NA	NA	ND	0.0093	ND	ND	ND	ND	ND	ND	0.0015 J	ND	ND	ND	ND	0.0110	ND	ND	ND	ND	ND			
Filter 1- 100%	08-Jul-19	78.9	15,054	77.1	14,707	ND	ND	NA	NA	NA	NA	ND	0.0087	ND	ND	ND	ND	ND	ND	0.0014 J	ND	ND	ND	ND	0.0084	ND	ND	ND	ND	ND			
Filter 2- 100%	08-Jul-19	78.9	15,054	77.1	14,707	ND	ND	NA	NA	NA	NA	ND	0.0057	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Combined Raw	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	0.0045	0.0079	ND	ND	ND	0.0021	0.0110	0.0860	0.0250	0.0230	0.0009 J	ND	0.0350	0.0240	ND	ND	ND	ND	0.0580			
Filter 1- 25%	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	0.0031	0.0076	ND	ND	ND	0.0007 J	0.0064	0.0320	0.0190	0.0110	ND	ND	0.0087	0.0200	ND	ND	ND	ND	0.0197			
Filter 1- 50%	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	0.0022	0.0080	ND	ND	ND	ND	0.0039	0.0120	0.0160	0.0050	ND	ND	0.0021	0.0190	ND	ND	ND	ND	0.0071			
Filter 1- 75%	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	0.0007 J	0.0088	ND	ND	ND	ND	0.0008 J	ND	0.0078	0.0005 J	ND	ND	ND	0.0180	ND	ND	ND	ND	ND			
Filter 1- 100%	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	0.0007 J	0.0099	ND	ND	ND	ND	0.0010 J	ND	0.0068	0.0008 J	ND	ND	ND	0.0170	ND	ND	ND	ND	ND			

**Table 2
Summary of PFAS Analytical Results
Demonstration Project
December 2018 to December 2019**

Sample Location	Collection Date	Filter 1 Volume (MG)	Filter 1 Bed Volumes	Filter 2 Volume (MG)	Filter 2 Bed Volumes	6:2 Fluorotelomer sulfonate (6:2 FTS)	8:2 Fluorotelomer sulfonate (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)	N-Methyl Perfluorooctane Sulfonamide (MEFOSA)	N-Methyl Perfluorooctane Sulfonamidoethanol (MEFOSE)	Perfluorobutanesulfonic acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonate (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecanoic acid (PFDoA)	Perfluoroheptane sulfonate (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexanesulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorooctanoic acid (PFOA)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctanesulfonic acid (PFOS)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)	PFOS+PFOA		
NHDES MCL:						-	-	-	-	-	-	-	-	-	-	-	-	-	0.018	-	0.012	0.011	-	0.015	-	-	-	-	-	-	-
Filter 2- 25%	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	ND	0.0096	ND	ND	ND	ND	ND	ND	ND	0.0011 J	ND	ND	ND	ND	0.0110	ND	ND	ND	ND	
Filter 2- 100%	15-Aug-19	94.2	17,980	92.4	17,633	ND	ND	NA	NA	NA	NA	ND	0.0086	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0035	ND	ND	ND	ND	ND	
Combined Raw	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	0.0036	0.0082	ND	ND	ND	0.0016 J	0.0100	0.0830	0.0250	0.0240	ND	ND	0.0430	0.0220	ND	ND	ND	ND	0.0670	
Filter 1- 25%	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	0.0024	0.0073	ND	ND	ND	ND	0.0066	0.0380	0.0190	0.0110	ND	ND	0.0150	0.0190	ND	ND	ND	ND	0.0260	
Filter 1- 50%	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	0.0018 J	0.0078	ND	ND	ND	ND	0.0050	0.0190	0.0170	0.0063	ND	ND	0.0042	0.0190	ND	ND	ND	ND	0.0105	
Filter 1- 75%	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	0.0006 J	0.0092	ND	ND	ND	ND	0.0014 J	0.0020	0.0120	0.0007 J	ND	ND	ND	0.0210	ND	ND	ND	ND	ND	
Filter 1- 100%	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	ND	0.0080	ND	ND	ND	ND	0.0009 J	0.0017 J	0.0088	0.0006 J	ND	ND	ND	0.0180	ND	ND	ND	ND	ND	
Filter 2- 25%	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	ND	0.0088	ND	ND	ND	ND	ND	ND	0.0036	ND	ND	ND	ND	0.0160	ND	ND	ND	ND	ND	
Filter 2- 100%	20-Sep-19	108.7	20,752	106.9	20,405	ND	ND	NA	NA	NA	NA	ND	0.0095	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0079	ND	ND	ND	ND	ND	
GAC changed out in Filter 1 (11/15/2019), lag filter changed to lead position																															
Combined Raw	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	0.0048	0.0095	ND	ND	ND	0.0027	0.0130	0.1000	0.0310	0.0280	0.0009 J	ND	0.0490	0.0290	ND	ND	ND	ND	0.0770	
Filter 2- 25%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	0.0019 J	0.0110	ND	ND	ND	ND	0.0038	0.0130	0.0170	0.0044	ND	ND	0.0022	0.0220	ND	ND	ND	ND	0.0066	
Filter 2- 50%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	ND	0.0088	ND	ND	ND	ND	ND	ND	0.0068	ND	ND	ND	ND	0.0200	ND	ND	ND	ND	ND	
Filter 2- 100%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	ND	0.0094	ND	ND	ND	ND	ND	ND	0.0018 J	ND	ND	ND	ND	0.0140	ND	ND	ND	ND	ND	
Filter 1- 25%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Filter 1- 50%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Filter 1- 75%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Filter 1- 100%*	18-Dec-19	12.1	2,387	142.8	27,258	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rolling 12-month Average Reported in ppt (ng/L)		Lag Filter Effluent				ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	

Grey text indicates the parameter was not analyzed or not detected.

All concentrations in µg/L - micrograms per liter (ppb)

J - The result is an estimated value.

B - Detected in Blank.

* - Since November 15, 2019, Filter 2 has been operating in the lead position and Filter 1 has been operating in the lag position.

USEPA - Environmental Protection Agency

NA - Not Analysed or Not Applicable

ND - Not detected

— - No Health Advisory available

- Denotes 'B' value, detected in blank

- Denotes raw water influent sample

- Denotes short chain compound