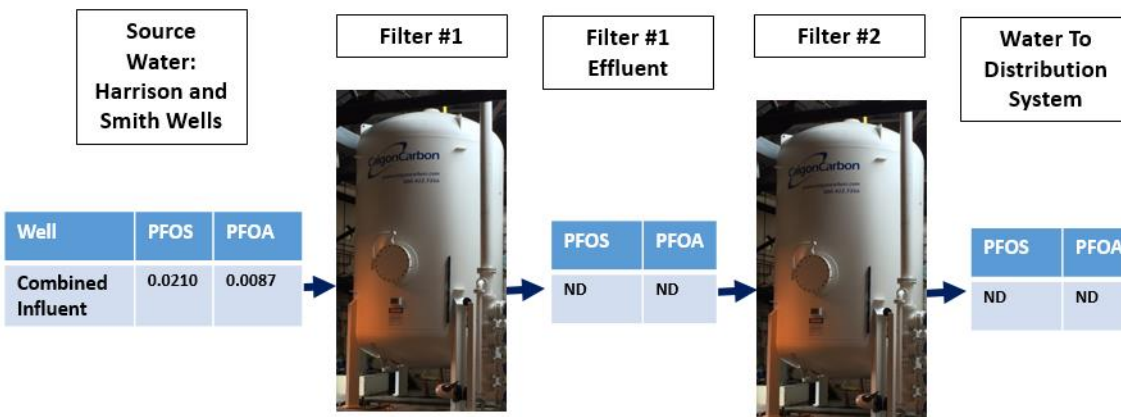




October 3, 2017

## PEASE TRADEPORT WATER SUPPLY UPDATE

### Pease Tradeport Water System Activated Carbon Treatment Demonstration Project Sampling: September, 2017 Results



Notes: All samples in parts-per-billion (ppb)  
ND = Non Detect  
All samples collected by Weston & Sampson  
and analyzed by Maxxam Laboratory

The activated carbon demonstration filters for the Harrison and Smith wells have been on line for over a year. As of September 1, 2017, 140 million gallons of water from these two wells has been treated through the activated carbon F400 Calgon Filtrasorb Filter media. This equates to 26,644 filter bed volumes of water.

The City's engineering consultant continues to sample the performance of the filters based on the volume of flow going through the filters. The graphic above shows the most recent source water sampling and treated filter water quality results for the PFOS and PFOA. A summary of all of the sampling and laboratory results is attached.

To date, results for all sample rounds have resulted in "non detect" (ND) for PFOS and PFOA with the exception of one round that had a PFOS detection of 17 parts per trillion in the filter two effluent sample taken on August 16, 2017. Two subsequent monitoring rounds show non-detect for this filter, as did the filter number one sample from August 16, 2017. Our engineering consultant confirmed that "this appears to us as a ghost, as it was not in the samples taken between the influent and the discharge from the first filter. To date the data suggests that the PFOS compound has not reached the second filter at all and has and continues to be fully removed in the first filter."

All samples collected are analyzed by Maxxam laboratories, the same laboratory that has been performing the Pease well PFC 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 attached. Analysis of the well water quality is also included.

#### ***PEASE TRADEPORT WATER SYSTEM AGREEMENT WITH THE UNITED STATES AIR FORCE***

The City of Portsmouth and the United States Air Force entered into an agreement on August 8, 2017 to continue design efforts for the final treatment system for the Pease Tradeport wells. This effort is anticipated to take eight months, at which time the project will be ready to bid for construction and another agreement with the Air Force will ensue to cover the costs of construction. Currently, a retrofit to the existing Grafton Road Water Facility at Pease is planned. Eight carbon filters (4 sets of two), aeration, tanks, associated piping and controls are planned. Additional updates on this design will be provided to the public as the project continues.

The City staff presented an update on the Pease Tradeport Drinking Water System at the July 26, 2017 Pease Restoration Advisory Board (RAB) meeting held at the Great Bay Community College. A copy of that presentation can be accessed at the City's updated website: <https://www.cityofportsmouth.com/publicworks/water/pease-tradeport-water-system>

Additional information will be presented at the next Pease Restoration Advisory Board meeting set for Tuesday October 24, 2017 6:30-9:00pm to be held at the New Hampshire Department of Environmental Services office at 22 International Drive, Suite 175, Portsmouth, NH 03801.

### ***WATER QUALITY UPDATES***

The City's updated website now has a page dedicated to the Pease Tradeport Water System information. That site can be accessed at:

<https://www.cityofportsmouth.com/publicworks/water/pease-tradeport-water-system>

### ***ONGOING WATER QUALITY MONITORING***

The Air Force's consultant continues to perform routine sampling of the water supply wells in the Pease water system. The Smith Well was originally sampled weekly for PFCs and the Harrison Well sampled every two weeks. 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 PFCs 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.

### ***EPA HEALTH ADVISORY***

In May 2016, the EPA issued new health advisories of 0.070 µg/L (micrograms per liter) for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS). The Smith and Harrison wells that supply the Pease Tradeport Water System have combined levels PFOA and PFOS that have consistently been below this limit since sampling began in 2014.

The City will continue to work towards the appropriate water quality monitoring and treatment methods to assure that all drinking water is in compliance with current regulations.

**Additional information can be accessed at:**

**[www.cityofportsmouth.com/publicworks/water/pease-tradeport-water-system](http://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 1  
Summary of PFC Analytical Results  
Demonstration Project  
Former Pease Air Force Base, New Hampshire**

| Sample Location                | Collection Date | Filter 1 Volume (MG) | Filter 1 Bed Volumes | 6:2 Fluorotelomer sulfonate (6:2 FTS) | 8:2 Fluorotelomer sulfonate (8:2 FTS) | N-Ethyl perfluorooctane sulfonamide (EiFOSA) | N-Ethyl perfluorooctane sulfonamide (EiFOSE) | N-Methyl Perfluorooctane Sulfonamide (MEFOSA) | N-Methyl Perfluorooctane Sulfonamide (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 (PFOA) | Perfluorononanoic acid (PFNA) | Perfluorooctane sulfonamide (PFOSA) | Perfluorooctanesulfonic acid (PFOS) | Perfluoropentanoic acid (PFPeA) | Perfluorotetradecanoic acid (PFTeDA) | Perfluorotridecanoic acid (PFTriDA) | Perfluoroundecanoic acid (PFUnA) | PFOS+PFOA |      |
|--------------------------------|-----------------|----------------------|----------------------|---------------------------------------|---------------------------------------|--|--|---|---|-------------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------------|----------------------------------|--------------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------------|-------------------------------------|---------------------------------|--------------------------------------|-------------------------------------|----------------------------------|-----------|------|
| USEPA Health Advisory (HA):    |                 |                      |                      | -                                     | -                                     | -  | -  | -   | -   | -                                   | -                             | -                                | -                             | -                                | -                                   | -                                | -                                    | -                              | -                             | 0.07                          | -                                   | -                                   | 0.07                            | -                                    | -                                   | -                                | -         | 0.07 |
| 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     |      |
| Harrison Well                  | 13-Sep-16       | ---                  | ---                  | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0029 B                            | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0260 B                             | 0.0071 J                       | 0.006 J                       | ND                            | ND                                  | 0.022 B                             | 0.008 B                         | NA                                   | NA                                  | NA                               | 0.028     |      |
| Smith Well                     | 19-Sep-16       | ---                  | ---                  | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0072 J                            | 0.0067 J                      | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0150 J                             | 0.0053 J                       | 0.006 J                       | ND                            | ND                                  | 0.013 J                             | 0.007 J                         | NA                                   | NA                                  | NA                               | 0.019 J   |      |
| Harrison Well                  | 26-Sep-16       | 1                    | 249                  | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0040 J                            | ND                            | NA                               | NA                            | NA                               | 0.0042 J                            | ND                               | 0.0340                               | 0.0100 J                       | ND                            | ND                            | ND                                  | 0.024                               | 0.014 J                         | NA                                   | NA                                  | NA                               | 0.024     |      |
| Smith Well                     | 26-Sep-16       | 1                    | 249                  | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0029 J                            | ND                            | NA                               | NA                            | NA                               | 0.0036 J                            | ND                               | 0.0140 J                             | 0.0050 J                       | ND                            | ND                            | ND                                  | 0.010 J                             | 0.008 J                         | NA                                   | NA                                  | NA                               | 0.010 J   |      |
| Harrison Well                  | 19-Oct-16       | 6                    | 1,238                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0038 J                            | 0.0069 J                      | NA                               | NA                            | NA                               | ND                                  | 0.0057 J                         | 0.0320                               | 0.0059 J                       | ND                            | ND                            | ND                                  | 0.022                               | 0.009 J                         | NA                                   | NA                                  | NA                               | 0.022     |      |
| Smith Well                     | 19-Oct-16       | 6                    | 1,238                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0035 J                            | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0130 J                             | ND                             | ND                            | ND                            | ND                                  | 0.010 J                             | 0.005 J                         | NA                                   | NA                                  | NA                               | 0.010 J   |      |
| Harrison Well                  | 17-Nov-16       | 18                   | 3,358                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0026 J                            | 0.0072 J                      | NA                               | NA                            | NA                               | ND                                  | 0.0059 J                         | 0.0350                               | 0.0085 J                       | 0.006 J                       | ND                            | ND                                  | 0.026                               | 0.013 J                         | NA                                   | NA                                  | NA                               | 0.032     |      |
| Smith Well                     | 17-Nov-16       | 18                   | 3,358                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0020 J                            | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0140 J                             | ND                             | ND                            | ND                            | ND                                  | 0.011 J                             | 0.008 J                         | NA                                   | NA                                  | NA                               | 0.011 J   |      |
| Harrison Well                  | 14-Dec-16       | 24                   | 4,491                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0062 J                            | 0.0068 J                      | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0350                               | 0.0120 J                       | 0.0078 J                      | ND                            | ND                                  | 0.026                               | 0.012 J                         | NA                                   | NA                                  | NA                               | 0.034     |      |
| Smith Well                     | 14-Dec-16       | 24                   | 4,491                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | ND                                  | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0150 J                             | 0.0065 J                       | ND                            | ND                            | ND                                  | 0.012 J                             | 0.0059 J                        | NA                                   | NA                                  | NA                               | 0.012 J   |      |
| Smith Well (Dup)               | 14-Dec-16       | 24                   | 4,491                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0055 J                            | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0150 J                             | 0.0057 J                       | ND                            | ND                            | ND                                  | 0.012 J                             | 0.006 J                         | NA                                   | NA                                  | NA                               | 0.012 J   |      |
| Harrison Well                  | 11-Jan-17       | 31                   | 5,845                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0090 J                            | 0.008 J                       | NA                               | NA                            | NA                               | ND                                  | 0.006 J                          | 0.0380                               | 0.0180 J                       | 0.009 J                       | ND                            | ND                                  | 0.024                               | 0.0160 J                        | NA                                   | NA                                  | NA                               | 0.033     |      |
| Smith Well                     | 11-Jan-17       | 31                   | 5,845                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0080 J                            | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0170                               | 0.0100 J                       | ND                            | ND                            | ND                                  | 0.012 J                             | 0.0080 J                        | NA                                   | NA                                  | NA                               | 0.012 J   |      |
| Harrison Well                  | 17-Feb-17       | 39                   | 7,388                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | 0.0020 J                            | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0360                               | 0.0060 J                       | 0.009 J                       | ND                            | ND                                  | 0.027                               | 0.0130 J                        | NA                                   | NA                                  | NA                               | 0.036     |      |
| Smith Well                     | 17-Feb-17       | 39                   | 7,388                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | ND                                  | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0100 J                             | ND                             | ND                            | ND                            | ND                                  | 0.013 J                             | 0.0070 J                        | NA                                   | NA                                  | NA                               | 0.013 J   |      |
| Harrison Well                  | 23-Mar-17       | 50                   | 9,568                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | ND                                  | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0270                               | 0.0052 J                       | ND                            | ND                            | ND                                  | 0.0210                              | 0.0095 J                        | NA                                   | NA                                  | NA                               | 0.021     |      |
| Smith Well                     | 23-Mar-17       | 50                   | 9,568                | ND                                    | ND                                    | NA   | NA   | NA  | NA  | ND                                  | ND                            | NA                               | NA                            | NA                               | ND                                  | ND                               | 0.0093 J                             | ND                             | ND                            | ND                            | ND                                  | 0.0072 J                            | ND                              | NA                                   | NA                                  | NA                               | 0.007 J   |      |
| Filter 2 Effluent              | 22-Sep-16       | 0                    | 70                   | 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 1 - 25%                 | 06-Oct-16       | 3                    | 646                  | 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 Effluent              | 06-Oct-16       | 3                    | 646                  | ND                                    | ND                                    | ND   | 0.0065 J                                     | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND   |
| Filter 1 - 25%                 | 14-Oct-16       | 5                    | 996                  | ND                                    | ND                                    | ND   | ND   | ND  | ND  | 0.0022 B                            | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND   |
| Filter 1 Effluent              | 14-Oct-16       | 5                    | 996                  | ND                                    | ND                                    | ND   | ND   | ND  | ND  | 0.0021 B                            | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND   |
| Filter 2 Effluent              | 14-Oct-16       | 5                    | 996                  | ND                                    | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | 0.0053 J                            | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND   |
| Filter 1 - 25%                 | 20-Oct-16       | 7                    | 1,325                | 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 1 Effluent              | 20-Oct-16       | 7                    | 1,325                | 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 Effluent              | 20-Oct-16       | 7                    | 1,325                | 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 1 - 25%                 | 28-Oct-16       | 10                   | 2,002                | ND                                    | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | 0.0082 J                         | ND                                  | ND                               | ND                                   | 0.0062 J                       | ND                            | 0.0052 J                      | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | 0.0082 J                         | 0.0084 J  | ND   |
| Filter 1 Effluent              | 28-Oct-16       | 10                   | 2,002                | ND                                    | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | 0.0049 J                      | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | 0.0078 J                         | 0.0081 J  | ND   |
| Filter 2 Effluent              | 28-Oct-16       | 10                   | 2,002                | ND                                    | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0040 J                             | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND   |
| Filter 1 - 25%                 | 10-Nov-16       | 16                   | 3,066                | 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 1 Effluent              | 10-Nov-16       | 16                   | 3,066                | 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 1 - 25%                 | 28-Nov-16       | 20                   | 3,795                | 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 1 Effluent              | 28-Nov-16       | 20                   | 3,795                | 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 1 - 25%                 | 27-Dec-16       | 27                   | 5,143                | 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 1 Effluent              | 27-Dec-16       | 27                   | 5,143                | 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 1 - 25%                 | 16-Jan-17       | 32                   | 6,056                | 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 1 Effluent              | 16-Jan-17       | 32                   | 6,056                | 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 1 - 25%                 | 10-Feb-17       | 37                   | 7,117                | 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 1 Effluent              | 10-Feb-17       | 37                   | 7,117                | 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 1 - 25%                 | 07-Mar-17       | 43                   | 8,206                | 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 1 Effluent              | 07-Mar-17       | 43                   | 8,206                | 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   |

**Table 1**  
**Summary of PFC Analytical Results**  
**Demonstration Project**  
**Former Pease Air Force Base, New Hampshire**

| Sample Location             | Collection Date | Filter 1 Volume (MG) | Filter 1 Bed Volumes | 6:2 Fluorotelomer sulfonate (6:2 FTS)                  | 8:2 Fluorotelomer sulfonate (8:2 FTS) | N-Ethyl perfluorooctane sulfonamide (EiFOSA) | N-Ethyl perfluorooctane sulfonamide (EiFOSE) | N-Methyl Perfluorooctane Sulfonamide (MEFOSA) | N-Methyl Perfluorooctane Sulfonamide (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 (PFOA) | Perfluorononanoic acid (PFNA) | Perfluorooctane sulfonamide (PFOSA) | Perfluorooctanesulfonic acid (PFOS) | Perfluoropentanoic acid (PFPeA) | Perfluorotridecanoic acid (PFTeDA) | Perfluorotridecanoic acid (PFTDA) | Perfluoroundecanoic acid (PFUnA) | PFOS+PFOA |      |
|-----------------------------|-----------------|----------------------|----------------------|--|---------------------------------------|--|--|---|---|-------------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------------|----------------------------------|--------------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------------|-------------------------------------|---------------------------------|------------------------------------|-----------------------------------|----------------------------------|-----------|------|
| USEPA Health Advisory (HA): |                 |                      |                      | -  | -                                     | -  | -  | -   | -   | -                                   | -                             | -                                | -                             | -                                | -                                   | -                                | -                                    | -                              | -                             | 0.07                          | -                                   | -                                   | 0.07                            | -                                  | -                                 | -                                | -         | 0.07 |
| Filter 1 - 25%              | 20-Mar-17       | 48                   | 9,235                | 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 1 Effluent           | 20-Mar-17       | 48                   | 9,235                | 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 1 - 25%              | 27-Mar-17       | 52                   | 9,886                | 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 1 - 50%              | 27-Mar-17       | 52                   | 9,886                | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | 0.0056 J                         | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 27-Mar-17       | 52                   | 9,886                | ND   | ND                                    | 0.0097 J                                     | ND   | ND  | 0.0052 J                                      | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0068 J                             | ND                             | ND                            | ND                            | ND                                  | ND                                  | 0.0036 J                        | ND                                 | ND                                | 0.0033 J                         | ND        | ND   |
| Filter 1 Effluent Rerun     | 27-Mar-17       | 52                   | 9,886                | 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 1 - 25%              | 12-Apr-17       | 60                   | 11,362               | 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 1 Effluent           | 12-Apr-17       | 60                   | 11,362               | 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 1 - 25%              | 21-Apr-17       | 64                   | 12,273               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | 0.0068 J                         | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0100 J                           | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 21-Apr-17       | 64                   | 12,273               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | 0.0052 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 21-Apr-17       | 64                   | 12,273               | 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                | 24-Apr-17       | 66                   | 12,521               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0240                               | 0.0064 J                       | 0.0049 J                      | ND                            | ND                                  | 0.0150 J                            | 0.0053 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 01-May-17       | 69                   | 13,169               | 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 1 Effluent           | 01-May-17       | 69                   | 13,169               | 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 Effluent           | 01-May-17       | 69                   | 13,169               | 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                | 12-May-17       | 75                   | 14,263               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | 0.0071 J                      | ND                               | ND                            | ND                               | ND                                  | 0.0040 J                         | 0.0270                               | 0.0087 J                       | 0.0081 J                      | ND                            | ND                                  | 0.0190 J                            | 0.0084 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 12-May-17       | 75                   | 14,263               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0067 J                           | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 12-May-17       | 75                   | 14,263               | 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 Effluent           | 12-May-17       | 75                   | 14,263               | 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                | 22-May-17       | 80                   | 15,254               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | 0.0055 J                         | 0.0280                               | 0.0072 J                       | 0.0088 J                      | ND                            | ND                                  | 0.0230                              | 0.0089 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 22-May-17       | 80                   | 15,254               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | 0.0048 J                            | ND                              | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 22-May-17       | 80                   | 15,254               | 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 Effluent           | 22-May-17       | 80                   | 15,254               | 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                | 02-Jun-17       | 85                   | 16,282               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | 0.0280                           | 0.0090 J                             | 0.0081 J                       | ND                            | ND                            | ND                                  | 0.0200 J                            | 0.0077 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 02-Jun-17       | 85                   | 16,282               | ND   | ND                                    | 0.0089 J                                     | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 02-Jun-17       | 85                   | 16,282               | 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 Effluent           | 02-Jun-17       | 85                   | 16,282               | 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                | 14-Jun-17       | 92                   | 17,512               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0230                               | 0.0063 J                       | 0.0055 J                      | ND                            | ND                                  | 0.0190 J                            | 0.0068 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 14-Jun-17       | 92                   | 17,512               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0052 J                           | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 14-Jun-17       | 92                   | 17,512               | 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 Effluent           | 14-Jun-17       | 92                   | 17,512               | 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                | 28-Jun-17       | 99                   | 18,951               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0280                               | 0.0080 J                       | ND                            | ND                            | ND                                  | 0.0170 J                            | 0.0086 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 28-Jun-17       | 99                   | 18,951               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0065 J                           | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 28-Jun-17       | 99                   | 18,951               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | 0.0058 J                            | ND                                  | ND                              | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 2 Effluent           | 28-Jun-17       | 99                   | 18,951               | 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-Jul-17       | 104                  | 19,916               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0240                               | 0.0110 J                       | 0.0064 J                      | ND                            | ND                                  | 0.0210                              | 0.0085 J                        | ND                                 | ND                                | ND                               | ND        | ND   |
| Filter 1 - 25%              | 07-Jul-17       | 104                  | 19,916               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0075 J                           | ND                                | ND                               | ND        | ND   |
| Filter 1 - 50%              | 07-Jul-17       | 104                  | 19,916               | 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 1 Effluent           | 07-Jul-17       | 104                  | 19,916               | 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 Effluent           | 07-Jul-17       | 104                  | 19,916               | 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                | 19-Jul-17       | 112                  | 21,313               | Sample damaged during shipping; analysis not possible. |                                       |  |  |   |   |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                    |                                   |                                  |           |      |
| Filter 1 - 25%              | 19-Jul-17       | 112                  | 21,313               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0052 J                           | ND                                | ND                               | ND        | ND   |
| Filter 1 Effluent           | 19-Jul-17       | 112                  | 21,313               | 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 Effluent           | 19-Jul-17       | 112                  | 21,313               | 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                | 26-Jul-17       | 116                  | 22,162               | ND   | ND                                    | ND   | ND   | ND  | ND  | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | 0.0034 J                         | 0.0250                               | 0.0076 J                       | ND                            | ND                            | ND                                  | 0.0130 J                            | 0.0073 J                        | ND                                 | ND                                | ND                               | ND        | ND   |

**Table 1  
Summary of PFC Analytical Results  
Demonstration Project  
Former Pease Air Force Base, New Hampshire**

| Sample Location             | Collection Date | Filter 1 Volume (MG) | Filter 1 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) | Perfluorooheptane sulfonate (PFHpS) | Perfluorooheptanoic 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 (PFTriDA) | Perfluoroundecanoic acid (PFUnA) | PFOS+PFOA |    |
|-----------------------------|-----------------|----------------------|-------------------------------------|---------------------------------------|---------------------------------------|--|---|---|--|-------------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------------|----------------------------------|--------------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------------|-------------------------------------|---------------------------------|--------------------------------------|-------------------------------------|----------------------------------|-----------|----|
| USEPA Health Advisory (HA): |                 |                      |                                     | -                                     | -                                     | -  | -   | -   | -  | -                                   | -                             | -                                | -                             | -                                | -                                   | -                                | -                                    | -                              | -                             | 0.07                          | -                                   | -                                   | 0.07                            | -                                    | -                                   | -                                | 0.07      |    |
| Filter 1 - 25%              | 26-Jul-17       | 116                  | 22,162                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | 0.0038 J                      | ND                            | ND                                  | ND                                  | ND                              | 0.0062 J                             | ND                                  | ND                               | ND        | ND |
| Filter 1 Effluent           | 26-Jul-17       | 116                  | 22,162                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | 0.0047 J                      | ND                               | ND                            | ND                               | ND                                  | 0.0049 J                         | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND |
| Filter 2 Effluent           | 26-Jul-17       | 116                  | 22,162                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | 0.0036 J                         | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND |
| Combined Raw                | 02-Aug-17       | 121                  | 23,021                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0300                               | 0.0099 J                       | 0.0077 J                      | ND                            | ND                                  | 0.0190 J                            | 0.0120 J                        | ND                                   | ND                                  | ND                               | ND        | ND |
| Filter 1 - 25%              | 02-Aug-17       | 121                  | 23,021                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | 0.0069 J                      | ND                            | ND                                  | ND                                  | ND                              | 0.0092 J                             | ND                                  | ND                               | ND        | ND |
| Filter 1 Effluent           | 02-Aug-17       | 121                  | 23,021                              | 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 Effluent           | 02-Aug-17       | 121                  | 23,021                              | 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                | 18-Aug-17       | 131                  | 24,999                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0310                               | 0.0120 J                       | 0.0140 J                      | ND                            | ND                                  | 0.0240                              | 0.0130 J                        | ND                                   | ND                                  | ND                               | ND        | ND |
| Filter 1 - 25%              | 18-Aug-17       | 131                  | 24,999                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0100 J                             | 0.0110 J                       | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0092 J                             | ND                                  | ND                               | ND        | ND |
| Filter 1 - 50%              | 18-Aug-17       | 131                  | 24,999                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | 0.0068 J                             | ND                                  | ND                               | ND        | ND |
| Filter 1 Effluent           | 18-Aug-17       | 131                  | 24,999                              | 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 Effluent           | 18-Aug-17       | 131                  | 24,999                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | 0.0170 J                        | ND                                   | ND                                  | ND                               | ND        | ND |
| Combined Raw                | 25-Aug-17       | 135                  | 25,806                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | 0.0066 J                         | 0.0310                               | 0.0130 J                       | ND                            | ND                            | ND                                  | ND                                  | 0.0190 J                        | ND                                   | ND                                  | ND                               | ND        | ND |
| Filter 1 - 25%              | 25-Aug-17       | 135                  | 25,806                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | 0.0160 J                      | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | ND                            | ND                            | ND                                  | ND                                  | ND                              | ND                                   | ND                                  | ND                               | ND        | ND |
| Filter 1 Effluent           | 25-Aug-17       | 135                  | 25,806                              | 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 Effluent           | 25-Aug-17       | 135                  | 25,806                              | 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                | 01-Sep-17       | 140                  | 26,644                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | 0.0410                               | 0.0088 J                       | 0.0087 J                      | ND                            | ND                                  | 0.0210                              | 0.0130 J                        | ND                                   | ND                                  | ND                               | ND        | ND |
| Filter 1 - 25%              | 01-Sep-17       | 140                  | 26,644                              | ND                                    | ND                                    | ND   | ND  | ND  | ND   | ND                                  | ND                            | ND                               | ND                            | ND                               | ND                                  | ND                               | ND                                   | ND                             | 0.0065 J                      | ND                            | ND                                  | ND                                  | ND                              | 0.0110 J                             | ND                                  | ND                               | ND        | ND |
| Filter 1 - 50%              | 01-Sep-17       | 140                  | 26,644                              | 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 1 Effluent           | 01-Sep-17       | 140                  | 26,644                              | 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 Effluent           | 01-Sep-17       | 140                  | 26,644                              | 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                | 12-Sep-17       | 146                  | 27,795                              | Samples submitted, results pending.   |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 1 - 25%              | 12-Sep-17       | 146                  | 27,795                              | Samples submitted, results pending.   |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 1 - 50%              | 12-Sep-17       | 146                  | 27,795                              | Samples submitted, results pending.   |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 1 Effluent           | 12-Sep-17       | 146                  | 27,795                              | Samples submitted, results pending.   |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 2 Effluent           | 12-Sep-17       | 146                  | 27,795                              | Samples submitted, results pending.   |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Combined Raw                | 21-Sep-17       | Not Determined       | Samples submitted, results pending. |                                       |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 1 - 25%              | 21-Sep-17       | Not Determined       | Samples submitted, results pending. |                                       |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 1 - 50%              | 21-Sep-17       | Not Determined       | Samples submitted, results pending. |                                       |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 1 Effluent           | 21-Sep-17       | Not Determined       | Samples submitted, results pending. |                                       |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |
| Filter 2 Effluent           | 21-Sep-17       | Not Determined       | Samples submitted, results pending. |                                       |                                       |  |   |   |  |                                     |                               |                                  |                               |                                  |                                     |                                  |                                      |                                |                               |                               |                                     |                                     |                                 |                                      |                                     |                                  |           |    |

Notes:  
 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.

USEPA - Environmental Protection Agency  
 NA - Not Analyzed 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