# Mohawks of the Bay of Quinte

**Annual Water Report** 

Reporting period of January 1, 2017 – December 31, 2017

Prepared For: Prepared By:



Mohawks of the Bay of Quinte

Ontario Clean Water Agency Agence Ontarienne Des Eaux

This report has been prepared to satisfy the annual reporting requirements of the Provincial Regulations and Guidelines established by the Ministry of the Environment in the Province of Ontario including the section 11 and Schedule 22 reports identified in O.Reg 170/03, Drinking Water Systems Regulation and the Permit to Take Water Reports identified in O.Reg 387/04, Water Taking and Transfer Regulation.

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# Mohawks of the Bay of Quinte Water Treatment Facility

# Facility Description & Treatment Process

The Mohawks of the Bay of Quinte Water Treatment Facility is a surface water membrane filtration plant with a submerged low-pressure ultrafiltration membrane system. The *Low Lift System* transfers raw water from the Bay of Quinte to feed the water treatment plant; it will be controlled according to the level in the Pretreatment System. Treatment consists of Pre-Treatment Clarifiers, Dissolved Air Flotation (DAF) and membrane filtration system, followed by granular activated carbon filter, followed by an ultraviolet disinfection system, with chemical disinfection and pumping system. This facility is Federally funded and operated, therefore it does not fall under Provincial legislation. However, OCWA does provide oversight of the system as if it is regulated under Ontario Regulation 170/03. The Mohawks of the Bay of Quinte Water Treatment Facility would be considered a Large Municipal Residential system under this legislation; therefore this system is classified as a Large Municipal Residential system.

|            | chemicals asea aaring the reporting period. |
|------------|---|
| Chemical I | Name  |
| •          | Citric Acid                                 |
| •          | Phosphoric Acid                             |
| ٠          | Calcium Thiosulphate                        |
| ٠          | Sodium Hypochlorite – 12%                   |
| •          | Carbon Dioxide                              |
| •          | Kemira XL-54 PAC                            |
| •          | Ammonium Sulphate                           |
|            |   |

#### Treatment Chemicals used during the reporting period:

#### **Operational & Maintenance Summary**

- Routine operations, sampling, testing and required system maintenance completed.
- All samples were collected as per Ontario Regulation 170/03.
- All alarms tested and signals confirmed with applicable alarm monitoring.

During the reporting period, process deficiencies were identified in the water treatment process. All deficiencies have been recorded and brought to the attention of the contractor(s) and are being systemically addressed.

### Performance Data

All samples collected at the Mohawks of the Bay of Quinte Water Treatment Facility during the reporting period were submitted to Eurofins laboratory for analysis, with the exception of in-house free chlorine residuals, pH and turbidity. Eurofins has been deemed accredited by the Canadian Association for Laboratory Accreditation (CALA), meeting strict provincial guidelines including an extensive quality assurance/quality control program. The free chlorine residuals, pH and turbidity parameters were analyzed in the field at the time of sample collection by certified and trained operators, to ensure accuracy and precision of the results obtained. Sampling was conducted in accordance with Ontario Regulation 170/03.

## **Ontario Regulation 170/03 requires the following microbiological sampling:**

- Weekly sample for raw water source to be tested for Total Coliform and E. Coli;
- Nine distribution samples to be tested monthly for Total Coliforms, E. Coli and HPC.

#### Tabulated below is a summary of all microbiological testing completed during the reporting period.

| Mohawks of the Bay of Quinte Water Treatment Facility - Microbiological Test Results |   |   |   |                   |                  |   |                   |
|--|---|---|---|-------------------|------------------|---|-------------------|
| Sample Location  | # Total<br>Coliform<br>and E. Coli<br>Samples | Total Coliform<br>(CFU/100 mL) –<br>Range of Results<br>(min#) – (max#) | E. Coli<br>(CFU/100 mL)–<br>Range of Results<br>(min#) – (max#) | Exceedance        | # HPC<br>Samples | HPC (CFU/1<br>mL) – Range<br>of Results<br>(min#) –<br>(max#) | Exceedance        |
| Raw Water  | 52  | 0-412   | 0-9   | Not<br>Applicable | 52               | 0->500  | Not<br>Applicable |
| Treated Water  | 52  | 0-0   | 0-0   | NO                | 52               | 0-1   | Not<br>Applicable |
| Distribution Water –<br>(Various Locations)  | 180   | 0-12  | 0-0   | NO                | 180              | 0-96  | Not<br>Applicable |

Tabulated below is a summary of the Performance Criterion for filtered water turbidity in percent of the measurements each month during the reporting period. The Mohawks of the Bay of Quinte WTF uses membrane filtration and therefore, must remain under 0.10 NTU 99% of the time.

| Mohawks of the Bay of Quinte WTF – Filter Turbidity |  |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Sample Parameter & LocationFilter #1Filter #2       |  |  |  |  |  |  |
| 2017 Average <.10 NTU at %100                       |  |  |  |  |  |  |

## Tabulated below is a summary of Raw Water flows from the Bay of Quinte for the reporting period.

| <u>Mohawks of the Bay of Quinte WTF – Raw Water Flow</u> |               |                |                |                |  |  |  |
|--|---------------|----------------|----------------|----------------|--|--|--|
| Month  | Total Flow m3 | Minimum m3/day | Maximum m3/day | Average m3/day |  |  |  |
| January  | 8,182         | 173            | 370            | 264            |  |  |  |
| February   | 10,048        | 273            | 579            | 359            |  |  |  |
| March  | 10,757        | 280            | 532            | 359            |  |  |  |
| April  | 12,745        | 118            | 679            | 399            |  |  |  |
| Мау  | 11,499        | 209            | 547            | 371            |  |  |  |
| June   | 8,724         | 133            | 563            | 291            |  |  |  |
| July   | 8,163         | 156            | 829            | 389            |  |  |  |
| August   | 9,008         | 162            | 933            | 392            |  |  |  |
| September  | 8,977         | 164            | 1075           | 449            |  |  |  |
| October  | 8,577         | 151            | 1116           | 408            |  |  |  |
| November   | 9,543         | 130            | 1377           | 454            |  |  |  |
| December   | 9,139         | 206            | 1542           | 508            |  |  |  |
| Total  | 117,395       |                |                |                |  |  |  |
| Minimum  |               | 118            |                |                |  |  |  |
| Maximum  |               |                | 1542           |                |  |  |  |
| Average  |               |                |                | 384            |  |  |  |

# Mohawks of the Bay of Quinte WTF – Raw Water Flow

#### Tabulated below is a summary of Treated Water Flows for the reporting period.

|           | Total Flow m3 | Minimum m3/day | Maximum m3/day | Average m3/day |
|-----------|---------------|----------------|----------------|----------------|
| January   | 3,448         | 42             | 176            | 111            |
| February  | 5,623         | 98             | 398            | 201            |
| March     | 5,617         | 130            | 238            | 187            |
| April     | 7,548         | 131            | 454            | 236            |
| Мау       | 7,832         | 161            | 370            | 253            |
| June      | 5,607         | 140            | 297            | 187            |
| July      | 8,163         | 156            | 829            | 389            |
| August    | 9,008         | 162            | 933            | 392            |
| September | 8,977         | 164            | 1075           | 449            |
| October   | 5,328         | 173            | 507            | 254            |
| November  | 5,670         | 87             | 579            | 247            |
| December  | 5,331         | 128            | 744            | 267            |
|           |               |                |                |                |
| Total     | 78,152        |                |                |                |
| Minimum   |               | 42             |                |                |
| Maximum   |               |                | 1075           |                |

\*The raw water flows are occasionally higher than the treated water flows due the water used to perform backwashes on the DAF and Ultrafiltration system.

Tabulated below is a summary of in-house analytical testing performed during sampling in the Mohawks of the Bay of Quinte Drinking Water System for the reporting period.

| <u>Mohawks of the Bay of Quinte WTF – - In-House Test Results</u>         |                   |                                  |  |  |  |  |  |
|---|-------------------|----------------------------------|--|--|--|--|--|
| Sample Parameter & Location   | # of Grab Samples | Range of Results (min#) – (max#) |  |  |  |  |  |
| Turbidity (NTU)- Raw Water  | 256               | 0.19-2.58                        |  |  |  |  |  |
| pH- Raw Water   | 256               | 5.19-8.43                        |  |  |  |  |  |
| Free Chlorine Residual (mg/L) – Treated Water                             | 256               | 0.55-4.07                        |  |  |  |  |  |
| Turbidity (NTU)- Treated Water  | 256               | 0.05-1.32                        |  |  |  |  |  |
| pH-Treated Water  | 256               | 6.56-7.02                        |  |  |  |  |  |
| Free Chlorine Residual (mg/L) – Distribution Water –<br>Various Locations | 436               | 0.41-2.61                        |  |  |  |  |  |

# *Ontario Regulation 170/03 requires the following chemical testing to be performed:*

- One treated water sample every three months to be tested for nitrite and nitrate;
- One distribution sample every three months to be tested for THM and HAA
- One treated water sample every 12 months to be tested for every parameter listed in Schedules 23 and 24; and
- One treated water sample every 60 months to be tested for sodium and fluoride.

Tabulated below is a summary of all chemical sample results for the reporting period.

| Sample Parameter              | # of Samples | Distribution Community Well- | ODWS Objective (Type) | Exceedance |
|-------------------------------|--------------|------------------------------|-----------------------|------------|
|                               |              | being Centre– 2017 Average   |                       |            |
|                               |              | Result                       |                       |            |
| Nitrite (N) - mg/L            | 4            | <0.10                        | 1 (MAC)               | No         |
| Nitrate (N) – mg/L            | 4            | 0.22                         | 10 (MAC)              | No         |
| Nitrite + Nitrate (N) – mg/L  | 4            | 0.22                         | 10 (MAC)              | No         |
| THM's Total – ug/L            | 4            | 1.5                          | 100 (MAC) *           | No         |
| (Mono) Bromoacetic Acid ug/L  | 2            | <2.0                         | None                  | N/A        |
| (Mono) Chloroacetic Acid ug/L | 2            | <2.0                         | None                  | N/A        |
| Bromochloroacetic Acid ug/L   | 2            | <2.0                         | None                  | N/A        |
| Dibromoacetic Acid ug/L       | 2            | <2.0                         | None                  | N/A        |
| Dichloroacetic Acid ug/L      | 2            | <2.0                         | None                  | N/A        |
| Trichloroacetic Acid ug/L     | 2            | <2.0                         | None                  | N/A        |
| Total Haloacetic Acids ug/L   | 2            | <2.0                         | 80 (MAC) *            | No         |
| Bromodichloromethane ug/L     | 2            | 0.5                          | None                  | N/A        |
| Bromoform ug/L                | 2            | <0.4                         | None                  | N/A        |
| Chloroform ug/L               | 2            | 0.7                          | None                  | N/A        |
| Dibromochloromethane ug/L     | 2            | 0.3                          | None                  | N/A        |

MAC = Maximum Acceptable Concentration, \*expressed as a running annual average

Tabulated below is a summary of all Schedule 23 & 24 sample results for the reporting period.

|   | MBQ WTF –-Test Results |                |                 |               |                        |  |  |
|---|------------------------|----------------|-----------------|---------------|------------------------|--|--|
| Parameter                                   | Units                  | Sample<br>Date | Result<br>Value | Objective     | Exceedance<br>(Yes/No) |  |  |
| Hardness as CaCO3                           | mg/L                   | 2017-03-28     | 120             | 80-100-<br>OG | No                     |  |  |
| Langelier Index                             |                        | 2017-03-28     | 0.00            |               |                        |  |  |
| Cyanide (Total)                             | mg/L                   | 2017-03-28     | <0.005          |               |                        |  |  |
| Alkalinity as CaCO3                         | mg/L                   | 2017-03-28     | 105             | 30-500        | No                     |  |  |
| Chloride                                    | mg/L                   | 2017-03-28     | 29              | 250           | No                     |  |  |
| Colour                                      | TCU                    | 2017-03-28     | <2              | 5             | No                     |  |  |
| Conductivity                                | uS/cm                  | 2017-03-28     | 289             |               |                        |  |  |
| Fluoride                                    | mg/L                   | 2017-03-28     | <0.10           | 1.5           | No                     |  |  |
| Nitrite                                     | mg/L                   | 2017-03-28     | <0.10           | 1.0           | No                     |  |  |
| Nitrate                                     | mg/L                   | 2017-03-28     | <0.10           | 10.0          | No                     |  |  |
| рН  |                        | 2017-03-28     | 7.58            | 6.5-8.5       | No                     |  |  |
| Sulphate                                    | mg/L                   | 2017-03-28     | 13              | 500           | No                     |  |  |
| Turbidity                                   | NTU                    | 2017-03-28     | 1.4             |               |                        |  |  |
| Total Dissolved Solids                      | mg/L                   | 2017-03-28     | 160             | 500           | No                     |  |  |
| Total Suspended Solids                      | mg/L                   | 2017-03-28     | <2              |               |                        |  |  |
| (DDT) + Metabolites                         | ug/L                   | 2017-03-28     | <0.024          | 30            | No                     |  |  |
| 2,3,4,6-tetrachlorophenol                   | ug/L                   | 2017-03-28     | <0.5            | 100           | No                     |  |  |
| 2,4,5-trichlorophenoxyacetic acid (2,4,5-T) | ug/L                   | 2017-03-28     | <1.0            | 280           | No                     |  |  |
| 2,4,6-trichlorophenol                       | ug/L                   | 2017-03-28     | <0.5            | 5             | No                     |  |  |
| 2,4-dichlorophenol                          | ug/L                   | 2017-03-28     | <0.5            | 900           | No                     |  |  |
| 2,4-dichlorophenoxyacetic acid (2,4-D)      | ug/L                   | 2017-03-28     | <1.0            | 100           | No                     |  |  |
| a-chlordane                                 | ug/L                   | 2017-03-28     | <0.006          |               |                        |  |  |
| Alachlor                                    | ug/L                   | 2017-03-28     | <0.5            | 5             | No                     |  |  |
| Aldicarb                                    | ug/L                   | 2017-03-28     | <9              | 9             | No                     |  |  |
| Aldrin                                      | ug/L                   | 2017-03-28     | <0.006          |               |                        |  |  |
| Aldrin + Dieldrin                           | ug/L                   | 2017-03-28     | <0.012          | 0.07          | No                     |  |  |
| Atrazine                                    | ug/L                   | 2017-03-28     | <1.0            |               |                        |  |  |
| Atrazine + N-dealkylated metabolites        | ug/L                   | 2017-03-28     | <0.2            | 5             | No                     |  |  |
| Azinphos-methyl                             | ug/L                   | 2017-03-28     | <2.0            | 20            | No                     |  |  |
| Bendiocarb                                  | ug/L                   | 2017-03-28     | <2.0            | 40            | No                     |  |  |
| Benzo(a)pyrene                              | ug/L                   | 2017-03-28     | <0.01           | 0.01          | No                     |  |  |

| Bromoxynil                         | ug/L | 2017-03-28 | <0.5    | 5     | No |
|------------------------------------|------|------------|---------|-------|----|
| Carbaryl                           | ug/L | 2017-03-28 | <5.0    | 90    | No |
| Carbofuran                         | ug/L | 2017-03-28 | <5.0    | 90    | No |
| Chlordane (Total)                  | ug/L | 2017-03-28 | <0.018  | 7     | No |
| Chlorpyrifos                       | ug/L | 2017-03-28 | <1.0    | 90    | No |
| Cyanazine                          | ug/L | 2017-03-28 | <1.0    | 10    | No |
| De-ethylated atrazine              | ug/L | 2017-03-28 | <1.0    |       |    |
| Diazinon                           | ug/L | 2017-03-28 | <1.0    | 20    | No |
| Dicamba                            | ug/L | 2017-03-28 | <1.0    | 120   | No |
| Diclofop-methyl                    | ug/L | 2017-03-28 | <0.9    | 9     | No |
| Dieldrin                           | ug/L | 2017-03-28 | <0.006  |       |    |
| Dimethoate                         | ug/L | 2017-03-28 | <2.5    | 20    | No |
| Dinoseb                            | ug/L | 2017-03-28 | <1.0    | 10    | No |
| Diquat                             | ug/L | 2017-03-28 | <5      | 70    | No |
| Diuron                             | ug/L | 2017-03-28 | <10     | 150   | No |
| Gamma-BHC (Lindane)                | ug/L | 2017-03-28 | <0.006  |       |    |
| g-chlodane                         | ug/L | 2017-03-28 | <0.006  |       |    |
| Glyphosate                         | ug/L | 2017-03-28 | <10     | 280   | No |
| Heptachlor + Heptachlor<br>Epoxide | ug/L | 2017-03-28 | <0.012  |       |    |
| Heptachlor Epoxide                 | ug/L | 2017-03-28 | <0.006  | 3     | No |
| Malathion                          | ug/L | 2017-03-28 | <5.0    |       |    |
| Methoxychlor                       | ug/L | 2017-03-28 | <0.006  | 190   | No |
| Metolachlor                        | ug/L | 2017-03-28 | <1.0    | 900   | No |
| Metribuzin                         | ug/L | 2017-03-28 | <5.0    | 50    | No |
| Op-DDT                             | ug/L | 2017-03-28 | <0.006  | 80    | No |
| Oxychlordane                       | ug/L | 2017-03-28 | <0.006  |       |    |
| Paraquat                           | ug/L | 2017-03-28 | <1      |       |    |
| Parathion                          | ug/L | 2017-03-28 | <1.0    | 10    | No |
| Pentachlorophenol                  | ug/L | 2017-03-28 | <0.5    | 50    | No |
| Phorate                            | ug/L | 2017-03-28 | <0.5    | 60    | No |
| Picloram                           | ug/L | 2017-03-28 | <5.0    | 2     | No |
| pp-DDD                             | ug/L | 2017-03-28 | <0.006  | 190   | No |
| pp-DDE                             | ug/L | 2017-03-28 | <0.006  |       |    |
| pp-DDT                             | ug/L | 2017-03-28 | <0.006  |       |    |
| Prometryne                         | ug/L | 2017-03-28 | <0.25   | 1     | No |
| Simazine                           | ug/L | 2017-03-28 | <1.0    | 10    | No |
| Temephos                           | ug/L | 2017-03-28 | <10     | 280   | No |
| Terbufos                           | ug/L | 2017-03-28 | <0.4    | 1     | No |
| Triallate                          | ug/L | 2017-03-28 | <1      | 230   | No |
| Trifluralin                        | ug/L | 2017-03-28 | <1.0    | 45    | No |
| Mercury                            | mg/L | 2017-03-28 | <0.0001 | 0.001 | No |
| Aluminum                           | mg/L | 2017-03-28 | 0.01    | 00.1  | No |
| Antimony                           | mg/L | 2017-03-28 | <0.0005 | 0.006 | No |

| Arsenic                              | mg/L | 2017-03-28 | <0.001  | 0.025 | No |
|--------------------------------------|------|------------|---------|-------|----|
| Barium                               | mg/L | 2017-03-28 | 0.03    | 1     | No |
|                                      | ų    |            |         | -     |    |
| Boron                                | mg/L | 2017-03-28 | <0.01   | 5     | No |
| Calcium                              | mg/L | 2017-03-28 | 40      |       |    |
| Cadmium                              | mg/L | 2017-03-28 | <0.0001 | 0.005 | No |
| Chromium                             | mg/L | 2017-03-28 | <0.001  | 0.05  | No |
| Copper                               | mg/L | 2017-03-28 | 0.056   | 1     | No |
| Iron                                 | mg/L | 2017-03-28 | <0.03   | 0.3   | No |
| Lead                                 | mg/L | 2017-03-28 | <0.001  | 0.01  | No |
| Magnesium                            | mg/L | 2017-03-28 | 5       |       |    |
| Manganese                            | mg/L | 2017-03-28 | <0.01   | 0.05  | No |
| Selenium                             | mg/L | 2017-03-28 | <0.001  | 0.01  | No |
| Silver                               | mg/L | 2017-03-28 | <0.0001 |       |    |
| Sodium                               | mg/L | 2017-03-28 | 13      | 200   | No |
| Uranium                              | mg/L | 2017-03-28 | <0.001  | 0.02  | No |
| Zinc                                 | mg/L | 2017-03-28 | 0.03    | 5     | No |
| Polychlorinated Biphenyls<br>(PCB's) | ug/L | 2017-03-28 | <0.1    | 3     | No |
| Dissolved Organic Carbon             | mg/L | 2017-03-28 | <0.5    | 5     | No |
| Ammonia                              | mg/L | 2017-03-28 | 0.03    |       |    |
| Bromodichloromethane                 | ug/L | 2017-03-28 | <0.3    |       |    |
| Bromoform                            | ug/L | 2017-03-28 | <0.4    |       |    |
| Chloroform                           | ug/L | 2017-03-28 | <0.5    |       |    |
| Dibromochloromethane                 | ug/L | 2017-03-28 | <0.3    |       |    |
| Trihalomethanes (total)              | ug/L | 2017-03-28 | <1.5    | 100   | No |
| Benzene                              | ug/L | 2017-03-28 | <0.5    | 5     | No |
| 1,1 – dichloroethylene               | ug/L | 2017-03-28 | <0.5    | 14    | No |
| 1,2 – dichlorobenzene                | ug/L | 2017-03-28 | <0.4    | 200   | No |
| 1,2 - dichloroethane                 | ug/L | 2017-03-28 | <0.2    | 5     | No |
| 1,4 – dichlorobenzene                | ug/L | 2017-03-28 | <0.4    | 5     | No |
| Carbon Tetrachloride                 | ug/L | 2017-03-28 | <0.2    | 5     | No |
| Dichloromethane                      | ug/L | 2017-03-28 | <4.0    | 50    | No |
| Monochlorobenzene                    | ug/L | 2017-03-28 | <0.2    | 80    | No |
| Tetrachloroethylene                  | ug/L | 2017-03-28 | <0.3    | 30    | No |
| Trichloroethylene                    | ug/L | 2017-03-28 | <0.3    | 5     | No |
| Vinyl Chloride                       | ug/L | 2017-03-28 | <0.2    | 2     | No |

#### Ontario Regulation 170/03 – Specifies requirements for sampling and testing for lead as follows:

• 10 Plumbing Samples must be collected twice per year(Summer and Winter)

Tabulated below is a summary of the lead sampling results obtained during the reporting period.

| <u>Quinte Mohawks School –Plumbing Lead Sample Results –</u><br>April 28 & 29, 2017 |            |               |    |  |  |  |  |
|---|------------|---------------|----|--|--|--|--|
|   |            |               |    |  |  |  |  |
| Adult Language School S   | 1.00 ug/L  | 10 ug/L (MAC) | No |  |  |  |  |
| Adult Language School F   | <1.00 ug/L | 10 ug/L (MAC) | No |  |  |  |  |
| 1658A York Rd. S  | 2.00 ug/L  | 10 ug/L (MAC) | No |  |  |  |  |
| 1658A York Rd. F  | <1.00 ug/L | 10 ug/L (MAC) | No |  |  |  |  |
| 1068 Ridge Road - Standing  | 1.00 ug/L  | 10 ug/L (MAC) | No |  |  |  |  |
| 1068 Ridge Road - Flushed   | <1.00 ug/L | 10 ug/L (MAC) | No |  |  |  |  |
| 1208 Ridge Road - Standing  | 1.00 ug/L  | 10 ug/L (MAC) | No |  |  |  |  |
| 1208 Ridge Road - Flushed   | <1.00 ug/L | 10 ug/L (MAC) | No |  |  |  |  |
| 936 Ridge Road - Standing   | 2.00 ug/L  | 10 ug/L (MAC) | No |  |  |  |  |
| 936 Ridge Road - Flushed  | <1.00 ug/L | 10 ug/L (MAC) | No |  |  |  |  |
| Adult Language School -Standing   | 5.00 ug/L  | 10 ug/L (MAC) | No |  |  |  |  |
| Adult Language School -Flushed  | <1.00 ug/L | 10 ug/L (MAC) | No |  |  |  |  |

There were no lead samples collected during this reporting period. Results of lead sampling will be included in the quarterly report for the quarter in which samples are collected.

#### *Compliance Summary*

From the results tabulated in the previous section, sample results obtained during the reporting period were within the Ontario Drinking Water Quality Objective. No samples taken exceeded the Maximum Acceptable Concentration (MAC) and therefore deemed to be in compliance with O.Reg 170/03.

#### Alarm Response & Overtime Summary

- Operations staff on-site as the low lift station had lost power due to an issue with the power source.
- Operations staff performed weekend checks to receive diesel fuel for the portable generator and maintain the low lift pumping station operation.
- Low chlorine alarm on SCADA. Pump #7 lock out in chlorine room. ORO onsite to assist in resetting alarm. Flush water through truck, fill and check P.W residual. All okay.
- Water production not ready and GAC disabled, Pre-treatment clarifier waste valve stuck open, reset with operator assistance
- Evoqua low, reset and adjustments made to pneumatic valves

# Capital Expenditures Summary

- Corix Water Products Compliance Diffuser, Hose, & Dechlor Pucks for Hydrant Flushing
- Metcon Sales & Engineering Online Analyzer for Distribution System
- Flowmetrix Annual flow meter calibration
- D&M Plumbing Back flow preventer maintenance
- TTC Transportation Annual diesel generator maintenance
- Rental of portable generator to supply power to low lift station during repairs
- Variable Speed Drives (VFD's) set up to restart during a power interruption
- Bardon Supplies Parts to install air bleed line on CL2 intake line
- Franklin Empire Replace failed pressure transmitter

~~~Prepared for the Mohawks of the Bay of Quinte by the Ontario Clean Water Agency~~~