

## **MUNICIPALITY OF BROCKTON**

### **MONTHLY REPORT**

**December 2020**

Prepared by: Veolia Water

#### **INTRODUCTION**

The following report summarizes operational data, maintenance activities and compliance issues identified during the month of **December 2020**.

#### **WASTEWATER SYSTEM**

##### Operational Parameters:

All Results have been entered into the Hach WIMS database, and are available upon request.

##### Influent Flows:

The influent flows are determined by the raw flow meter in the wet well. For the month of **December** the total influent flow was **101,878** cubic meters, with an average daily flow of **3,286** cubic meters.

**1026** m<sup>3</sup> of leachate was received at the Walkerton WWTP from the Walkerton-Hanover Landfill.

##### Treated Flows:

The treated flows were **101,097** cubic meters, with an average daily flow of **3,261** cubic meters.

##### Required Analysis as per ECA

Walkerton Wastewater Annual/Monthly Report figures are in Hach WIMS

### Repairs and Maintenance Details:

- **December 1-** Flushed the sludge recirculation line - took the chlorine system offline (not required from December 1 to March 30)
- **December 2-** Reset the boiler
- **December 3-** Gas Logics on site to investigate the issue with the boiler failing when running on digester gas
- **December 4-** Reset the flare stack
- **December 7-** Test ran the bio-gas generator - reset the flare stack - Enbridge gas installed a new gas meter for the control building - Hays electric on site to troubleshoot the variable frequency drive for raw sewage pump 1
- **December 8-** Hays electric on site to get the required information to replace the variable frequency drive for raw sewage pump 1 - calibrated the pH meter
- **December 10-** Reset the flare stack - tightened the fittings on the boiler to stop a small leak - Hays electric started replacing the variable frequency drive for raw sewage pump 1
- **December 11-** Hays electric finished installing the variable frequency drive for raw sewage pump 1 (pump is back in service)
- **December 14-** Reset the flare stack
- **December 15-** Replaced the belt for the dry well vent fan
- **December 16-** Hetek on site to calibrate the new methane gas monitoring system - RKS wired in the South West holding tank mixer - cleaned the dissolved oxygen probe - changed the oil in raw sludge pump 1
- **December 17-** Unclogged raw sewage pump 1 - Price Schonstrom on site to replace the shaft lip seal and cover gasket on blower 1
- **December 19-** Reset the flare stack
- **December 21-** Put blower 1 back in service
- **December 22-** Calibrated the pH meter
- **December 30-** Reset the flare stack

### Regulatory

There were no Regulatory issues for this reporting period.

### Collection System Maintenance/Services:

#### Fisher Dairy Sewage Pumping Station

**December Update:** Steve Cobean was informed Nov 17 & Dec 14 that the leak in the basement still needs to be repaired. He was also informed that there were multiple pump failure alarms.

**December 15-** Generator coolant alarm (block heater failed and needs replaced)

**December 22-** The on-call operator received multiple pump 2 failure alarms

**December 23-** Pulled pump 2 and unclogged it - HEC on site to clean out the station - ICS working on SCADA for the system to create more pump control options within the SCADA system

## **WATER SYSTEMS**

### **DWQMS:**

December 8 - The Annual Management and Infrastructure Reviews took place with staff from Veolia and The Municipality taking part. Copies of these documents have been attached to this report.

### **Operational Parameters:**

All Results have been entered into the Hach WIMS database, and are available upon request.

### **Lake Rosalind:**

#### **Regulatory**

There were no Regulatory issues for this reporting period.

#### **Maintenance/Services Performed**

**December 7-** RKS replaced a capacitor on high lift pump 1

**December 7-** An ESA inspection took place for the work that took place on the Well in November.

**December 8-** Monthly test run of generator.

**December 8-** Calibrated turbidity analyzer

**December 8-** Cleaned the chlorine injection point

**December 15-** Replaced a curb stop at house 437 Lake Rosalind Road 4.

### **Chepstow:**

#### **Regulatory**

There were no Regulatory issues for this reporting period.

#### **Maintenance/Services Performed**

**December 9-** Monthly test run of generator

**December 9-** Calibrated turbidity analyzer

**December 9-** Cleaned the chlorine injection point

**December 9-** Completed monthly UV reference sensor checks.

**December 9-** Completed monthly UVT testing

**December 11-** Freiburger's replaced the block heater in the generator

**December 12-** UV 2 shut down due to a Ballast failure. UV 1 was put into service.

**December 17-** Replaced the ballast in UV2 and put it back online

**December 23-** ICS working SCADA trending for the well flow rate

## **Walkerton Water**

### **Regulatory**

A MECP Inspection completed October 22. The Inspection Report was received on December 8th with a 100% Compliance Rating

### **Consumer Requests and Actions Completed:**

All requests have been faxed to the Municipal Office

### **Maintenance/Services Performed**

**December 2-** Monthly test run of Well 7 and 9 Generator

**December 2-** Completed reference sensor check for UV system.

**December 2-** Calibrated Turbidity analyzer

**December 2-** Monthly test run of North Booster Station Generator.

**December 2-** Monthly test run of South Booster Station Generator.

**December 16-** Repaired a leak at the corner of Yonge and Joseph St. on a 2 inch service.

**December 16-** Kurtis Smith Excavating completed McGivern St. house tie ins

**December 17-** Kurtis Smith Excavating completed the hydrant install and watermain capping on Griffith St.

**December 18-** Excavated, unfrozen and insulated the service for 90 Griffith St.

**December 21-** The on-call operator received a fire pump alarm from the Geeson booster station and discovered that the South tower level was dropping rapidly. Upon further investigation they found that the old energizer building was testing their fire pump which is no longer connected to their holding pond. The pump is directly connected to the municipal distribution system. The energizer fire pump used such a significant amount of water in a short period of time it was causing users on industrial road to not have any water. The contractors performing the test were informed that further discussion between the municipality and owner is required before they can do any additional testing (the fire pump test is required once per week). The Contractor has informed the Municipality that they intend to take the necessary steps to reduce the impact on the distribution system.

**December 23-** ICS was on site working on the SCADA trending for the UV's