

MUNICIPALITY OF BROCKTON

MONTHLY REPORT

January 2019

Prepared by: Veolia Water

INTRODUCTION

The following report summarizes operational data, maintenance activities and compliance issues identified during the month of **January 2019**.

WASTEWATER SYSTEM

Operational Parameters:

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

Influent Flows:

The influent flows are determined by the raw flow meter in the wet well. For the month of **January** the total influent flow was **112,103** cubic meters, with an average daily flow of **3,584** cubic meters.

121.5 cubic meters of leachate was received at the Walkerton WWTP from the Walkerton-Hanover Landfill.

Treated Flows:

The treated flows were **109,862** cubic meters, with an average daily flow of **3,544** cubic meters.

Required Analysis as per ECA

Walkerton Wastewater Annual/Monthly Report figures are in Hach WIMS

Repairs and Maintenance Details:

Jan 2- Tested the chlorine gas alarm, started rebuilding raw sludge air valve #1
Jan 3- Unclogged raw sewage pumps 1&3, generator shut down while pumping down the wet well (contacted Rolan inc)
Jan 4- Finished rebuilding raw sludge air valve #1 and put it into service
Jan 7- Unfroze the effluent sample line, greased all 3 raw sludge valves, greased primary clarifier #1, calibrated pH meter, cleaned the dissolved oxygen analyzer
Jan 8- Ferric pump #2 broke, installed the spare ferric pump as a back up, put ferric pump #1 online and replaced the pump tubing, took ferric pump #2 apart and removed the motor so a new one can be ordered
Jan 9- Adjusted the automatic oil addition system on the gas compressor
Jan 10- Took apart aeration tank 3 fixed mixer to replace a broken flex coupling
Jan 11- Cleaned and thawed the step screen, installed a temporary heater in the step screen to help with operations during the colder weather, removed ice build up on fixed mixers #3 and #4 to eliminate a small vibration, flushed the raw sludge lines
Jan 14- Cleaned and thawed the step screen
Jan 15- Dewar electric on site to start installing the new VFD for raw sewage pump #2, re-siphoned final clarifier #3 floating carriage, calibrated the pH meter
Jan 16- RKS electric wired in the new exhaust fan for the lab room, Unclogged raw sewage pump #2, drained and inspected the sludge circulating pump (impeller needs replaced soon), flushed the sludge circulating lines, Dewar electric finished installing the new VFD for raw sewage pump #2
Jan 17- Flushed the raw sludge lines, removed all of the built up ice on the step screen, put blower 1 back in place (ready for installation), RKS electric on site to install a new 220 receptacle to allow us to have an automatic backup air compressor for the raw sludge system
Jan 20- ALARM- Low Bio-gas, set the generator to run on natural gas until the bio-gas pressure issue can be resolved, reset the flare stack and waste gas meter
Jan 21- Removed the built up ice on the step screen, the digester bio-gas line froze, electrical inspector on site to inspect the new VFD for raw sewage pump #2, Rolan inc on site to service the generator, removed the ice build up on final clarifier 1&2 cross collector chains
Jan 23- Adjusted the stop limit switch on final clarifier #4 floating carriage to keep it from getting stuck on the scum trough, flushed the digester gas piping with hot water to remove the ice blockage, generator is now able to run on bio-gas again
Jan 24- Unclogged raw sewage pump #1
Jan 25- Unclogged the North grit air lift tube
Jan 28- Installed the spare air compressor for the raw sludge valves
Jan 29- Calibrated the pH meter, removed the built up ice from the cross collector sprockets
Jan 30- Removed the built up ice on the step screen

Regulatory

There were no Regulatory issues for this reporting period.

Collection System Maintenance/Services:

No issues for the reporting period.

WATER SYSTEMS

DWQMS:

December 7 - An Annual Management and Infrastructure Review was completed by Jamie Morgan - Director of Operations, and Scott Gowan - Veolia Water Project Manager.

Lake Rosalind:

Operational Parameters:

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

Regulatory

There were no Regulatory issues for this reporting period.

Maintenance/Services Performed

January 9 - Monthly test run of Generator.

January 16 - Replaced 5 and 1 micron filter cartridges.

Chepstow:

Operational Parameters:

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

Regulatory

There were no Regulatory issues for this reporting period.

Maintenance/Services Performed

January 8 - Monthly test run of Generator.

January 8 - Completed monthly UV reference sensor check.

Walkerton Water

Operational Parameters:

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

Regulatory

January 22 - Rhonda Shannon was on site to complete a MOECP Inspection. We are awaiting the results of this inspection.

Consumer Requests and Actions Completed:

All requests have been faxed to the Municipal Office

Maintenance/Services Performed

January 8 - Monthly test run of Well 7 and 9 Generator.

January 10 - Monthly test run of South Booster Station Generator.

January 10 - Monthly test run of North Booster Station Generator.

January 11 - Completed reference sensor check for UV system.

January 23 - H2Flow was on site to complete semi-annual UV service.