

MUNICIPALITY OF BROCKTON

MONTHLY REPORT

July 2020

Prepared by: Veolia Water

INTRODUCTION

The following report summarizes operational data, maintenance activities and compliance issues identified during the month of **July 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 **July** the total influent flow was **83,225** cubic meters, with an average daily flow of **2,684** cubic meters.

0 m3 of leachate was received at the Walkerton WWTP from the Walkerton-Hanover Landfill.

Treated Flows:

The treated flows were **80,025** cubic meters, with an average daily flow of **2,581** cubic meters.

Required Analysis as per ECA

Walkerton Wastewater Annual/Monthly Report figures are in Hach WIMS

Repairs and Maintenance Details:

- July 2- Took final clarifiers 1&2 offline and started pumping them down - took return activated sludge pump 1 offline
- July 6- Re-siphoned final clarifier 3&4 floating carriages
- July 7- Took aeration tanks 3&4 offline and started pumping them down
- July 9- Replaced a broken flex coupling on return activated sludge pump 3 and had it re-aligned
- July 10- Unclogged raw sewage pump 2
- July 13- Flushed the raw sludge lines - changed the oil in the gear boxes for final clarifiers 1&2, greased primary clarifier 1
- July 14- Reset the boiler, finished pumping down and cleaning aeration tanks 3&4 - took primary clarifier 3 offline and started pumping it down - put primary clarifier 1 online - replaced the rollers on ferric pump 2
- July 15- Reset the boiler and contacted Gas Logics to investigate why it keeps faulting
- July 17- Troy's Plumbing and Heating installed new gas piping and fittings on the control building gas system - Gas Logics inspected the boiler and found an issue with a hydraulic valve (a new one has been ordered) - replaced the tubing in ferric pump 2
- July 20- Troy's Plumbing and heating on site to finish the control building gas piping project - Price Schonstrom on site to remove 6 stuck flow gates from final clarifiers 1&2 as well as 1 from primary clarifier 3 - flushed the return activated sludge channel for final clarifier 3
- July 21- Took final clarifier 3 offline and put final clarifiers 1&2 online
- July 22- Replaced the broken anchor clips on floating mixer 1A
- July 23- Unclogged raw sewage pump 1 - took final clarifier 4 offline for inspection - Gas Logics on site to replace the digester gas hydraulic valve on the boiler
- July 24- Flushed the raw sludge lines - unclogged the south grit tube
- July 27- Reset the flare stack - changed blower 1 oil
- July 28- Changed the boiler water line filter - greased return activated sludge pump 1, all three raw sewage pumps and all three raw sludge valves
- July 29- Changed the oil in return activated sludge pump 2 - greased raw sludge pump 2

Regulatory

There were no Regulatory issues for this reporting period.

Collection System Maintenance/Services:

July 14 - Repaired a sewer service at 38 McGivern Street that was hit by Enbridge Gas.

Fisher Dairy Sewage Pumping Station

On April 7th Wellington Construction was on site to investigate issues at Fisher Dairy Sewage Pumping Station. Both pumps were pulled, inspected, and appeared to be operating normally. It was communicated to Cobide Engineering that a pump failure alarm should exist to inform staff of an issue. This alarm has since been installed, and multiple pump failures have occurred since. Infiltration in the basement was shown to Wellington and we are awaiting a resolution to this issue. Veolia recommends that this station not be fully assumed by the Municipality until all issues have been resolved.

July 6- Pump 2 returned to service.

July 7- Westario on site to hook up voltage monitoring system

July 10- Pump 2 failure Alarm removed from service.

July 13- Westario on site to remove voltage monitoring equipment

July 20- Westario completed work on a nearby transformer as a result of the on site monitoring

WATER SYSTEMS

DWQMS:

No new items to 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

July 8 - Monthly test run of generator.

July 8 - Calibrated NTU analyzer

Chepstow:

Regulatory

July 19- Due to a UV issue (possibly caused by a power outage), an adverse water quality incident occurred. The UV system was restored and the operator verified that adequate secondary disinfection was maintained during the UV issues. The incident was reported to the MOECC and Health Unit. The UV lockouts were also verified at a later date by ICS Instrumentation.

Maintenance/Services Performed

July 13 - Monthly test run of Generator.

July 13 - Calibrated NTU analyzer

June 13 - Completed monthly UV reference sensor checks.
July 21- Changed the bulbs in UV #2
July 24- Changed the bulbs in UV #1
July 25- ALARM- low well flow
July 27- ICS on site to verify the UV lockout is working correctly and to calibrate the flow meter
July 28- RKS on site to inspect the well pump (low flow issues) - no electrical issues were present
July 28- Installed a new check valve on the raw water line. Flow rate from well improved.

Walkerton Water

Regulatory

There were no Regulatory issues for this reporting period.

Consumer Requests and Actions Completed:

All requests have been faxed to the Municipal Office

Maintenance/Services Performed

July 6- Isolated the North standpipe and started emptying it for inspection - water main break on George St.
July 7 - Monthly test run of Well 7 and 9 Generator
July 7 - Completed reference sensor check for UV system.
July 8/9- North standpipe inspection completed - Standpipe mixer removed for motor replacement
July 10 - Monthly test run of North Booster Station Generator.
July 10 - Monthly test run of South Booster Station Generator.
July 11- Calibrated Turbidity analyzer
July 14- North Standpipe full and sample taken
July 16- Capped the water main at McGivern and Griffith
July 16- Standpipe sample results received - put the North standpipe back into service
July 22- H2Flow completed UV service
July 23- RKS electric at the North booster station to repair damaged wiring
July 28/30- Repaired a water service at 711 Durham St. that was hit by Enbridge Gas.