

MUNICIPALITY OF BROCKTON

MONTHLY REPORT

December 2024

Prepared by: Veolia Water

INTRODUCTION

The following report summarizes operational data, maintenance activities and compliance issues identified during the month of **December 2024**.

WASTEWATER SYSTEM

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 **97,093** cubic meters, with an average daily flow of **3,132** cubic meters.

There was no leachate received at the Walkerton WWTP from the Walkerton-Hanover Landfill for the month of December.

Treated Flows:

The treated flows were **102,841** cubic meters, with an average daily flow of **3,317** cubic meters.

Required Analysis as per ECA

Walkerton Wastewater Annual/Monthly Report figures are available in the Hach WIMS database.

Repairs and Maintenance Details:

Date	Description
December 1	Freed up Final Carriage #4
December 2	Unclogged Raw Sewage Pump (RSP) #1
December 3	Finished putting Return Activated Sludge Pump (RASP) #2 together
December 4	Hetek onsite for biannual calibrations
December 5	Unclogged RSP #3
December 6	Installed drain hose on Raw Sludge Pump #1
	Unclogged Raw Sludge Pump #1
December 7	Freed up Final Carriage #4
December 8	Freed up Final Carriage #4
December 9	Freed up Final Carriage #4
	Added oil to Final Carriage #4 gear box
	Straightened drive shaft on Final Clarifier #4
	Cleaned algae from UV lamps
	Switched duty from UV 1B Channel to UV 1A Channel
	Reinstalled floating aerators in aeration tank
December 10	Freed up Final Carriage #4
	Hays onsite wiring up Aeration #1 floating aerators
	Pumping Ferric from containment into totes due to chemical line break yesterday
	Hays also wired up headworks sump-pump float switch
December 11	Freed up Final Carriage #4
	Unclogged Raw Sludge Pump #1
	Adjusted limit switch disc on Carriage #4 cable
	Set up new Ferric pumping system in step screen room pumping from totes
	Removed algae from UV Channel Level Sensor
	Freed up Final Carriage #4
December 12	Raked bar screen in wet well
	Unclogged RSP #2 and #3
	Unclogged RASP #1
	Continued pumping Ferric from containment into totes
	Ran Generator for bimonthly run under load
December 13	Unclogged Raw Sludge Pump #1
	Finished pumping Ferric from containment. Cleaned up containment

	Installed heater in step screen room
December 16	Cleaned a lot of cement dust from blower #1 filter
	Swapped DO sensors from Aeration #2 to #1
December 17	Freed up Final Carriage #4 twice
	Pulled headworks sump pump and removed a lot of cement chunks from sump pump and pipe.
	Clogged air grit pipe
December 18	Freed up Final Carriage #4
	Adjusted the clutch for the gearbox of Final Clarifier #4
	Unclogged Raw Sludge Pump #1
	Hawkins onsite at Fischer Dairy to cleanout Wet Well
December 19	Unclogged Raw Sewage Pumps #1 and #2
	Repaired diffusers in aeration tank #2
December 20	Unclogged Raw Sludge Pump #1
	Did sludge transfer to holding tank
December 22	Flow meter showing spikes. Remove algae from flow meter
December 24	Investigated a sewer backup at 15 Muller Dr. on town side with a 1" separation in piping. Schmidt's to repair.

Regulatory

Walkerton Wastewater Annual/Monthly Report figures are available in the Hach WIMS database.

Collection System Maintenance/Services:

No new items to report

WATER SYSTEMS

DWQMS:

There are no items to report for this month.

Operational Parameters:

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

Consumer Requests and Actions Completed:

All requests have been faxed to the Municipal Office

Lake Rosalind:

Regulatory

No regulatory issues to report.

Maintenance/Services Performed.

Date	Description
December 10	Completed new service tap at 78 Marl Lake Rd.
December 10	MOE Inspection was conducted
December 11	Monthly Generator Test Run
December 11	Calibrated Turbidity Analyzer
December 11	Cleaned Chlorine Injector Point

Chepstow:

Regulatory

No regulatory issues to report.

Maintenance/Services Performed

Date	Description
December 9	Fix leak on chlorine board
December 10	MOE Inspection was conducted
December 11	Cleaned Chlorine Analyzer
December 11	Monthly Generator Test Run
December 11	Calibrated Turbidity Analyzer
December 11	Cleaned Chlorine Injection Point
December 11	Completed UV Reference Sensor Check
December 11	Switched to UV #1 from UV #2
December 19	Chlorine pump #2 failure. Switched to Chlorine pump #1

Walkerton Water

Regulatory

December 17 - Completed Schedule 23/24 of Well 9

December 20 - Completed Schedule 23/24 of Well 7

No regulatory issues to report.

Maintenance/Services Performed

Date	Description
December 9	North Tower - Monthly Generator Test Run
December 9	South Tower - Monthly Generator Test Run
December 9	Walker West Booster Station - Monthly Generator Test Run
December 10	Pumphouse - Monthly Generator Test Run
December 10	Pumphouse - Completed UV Reference Sensor Check
December 10	Pumphouse - Calibrated Turbidity Analyzer
December 17	Completed Schedule 23/24 Testing on Well 9
December 20	Completed Schedule 23/24 Testing on Well 7

Current Licences and Permits Expires

Walkerton Drinking Water System			
Licence/Permit	Number	Expiry	Limit
Permit to Take Water Well 7&9	1128-9U4JGC	February 26, 2025	7,139,520 L/d
Municipal Drinking Water Licence	081-103 #3	July 21, 2026	7,139 m3/day
Drinking Water Works Permit	081-203 #3	July 21, 2026	

Chepstow Drinking Water System			
Licence/Permit	Number	Expiry	Limit
Permit to Take Water Well #1	1248-CDESUX	April 27, 2032	216000 L/d
Municipal Drinking Water Licence	081-101 #3	July 21, 2026	228 m3/day
Drinking Water Works Permit	081-201 #3	July 21, 2026	

Lake Rosalind Drinking Water System			
Licence/Permit	Number	Expiry	Limit
Permit to Take Water Well #1, Well#3	P-300-1273535550	July 31, 2034	30,240 L/d (Well #1) 110,592 L/d (Well #3)
Municipal Drinking Water Licence	081-102 #3	July 21, 2026	115m3/day
Drinking Water Works Permit	081-202 #3	July 21, 2026	