



Report n° WW2024-001
Date: 17/04/2024
Submitted by: Philippe Cormier
Subject: Rockland Water System – 2023 Annual Report

Nature/Goal

The purpose of this report is to present to Council the annual report of the Clarence-Rockland Water Treatment Plant completed as required under the site's Environmental Compliance Approval (ECA).

Directive/Previous policy

N/A

Department's recommendation

WHEREAS the City is required to complete and submit an annual report to the Ministry of Environment with respect to the operation of the Water Treatment Plant;

BE IT RESOLVED THAT Council hereby acknowledges receipt of the Rockland Water Annual Report 2023 as attached to Report No. WW2024-001.

ATTENDU QUE la Cité, tel qu'exigé, doit compléter et soumettre au ministère de l'Environnement, un rapport annuel détaillant les opérations associés au système d'opération d'eau;

QU'IL SOIT RÉSOLU QUE le conseil accuse réception du rapport annuel de l'année 2023 intitulé « Rockland Water Annual Report 2023 », tel qu'annexé au rapport no. WW2024-001.

Background

Under the Safe Drinking Water Act (SDWA), Municipalities are required to prepare and submit an annual drinking water report for the province, which includes the status of the development and establishment of drinking water quality standards and the quality of drinking water.

Ontario Clean Water Agency (OCWA) has the mandate to produce and submit the report on the City's behalf to the Ministry of Environment/Conservation and Parks prior to the ministries' March 31 deadline.

Discussion

The raw water source for the Rockland Drinking Water System is the Ottawa River as per Permit to Take Water #3168-B2JK5N which expires on June 30th 2028. The raw water intake facility consists of a 630mm HDP# Series 45 pipe extending approximately 126 meters from the low lift pumping station into the Ottawa River. Water is conveyed to the water treatment facility by one of 3 vertical turbine pumps.

The Clarence Rockland Water Treatment Plant is a 13,500 m³/day conventional filtration type treatment plant with Actiflo® pre-treatment.

The attached report has been completed and submitted to the City and the Ministry in time to meet the prescribed deadline. The contents of the Summary Report for Municipalities include the following:

- A list of the requirements of the Safe Drinking Water Act and its Regulations that the water system failed to meet during the report's time frame including the duration of the failure
- A list of the requirements of the water system's Certificate of Approval that the water system failed to meet during the report's time frame including the duration of the failure
- A list of any Orders that the water system failed to meet during the report's time frame including the duration of the failure
- For each of the above failures, a description of the measures taken to correct the failures
- A summary of the quantities and flow rates of the water supplied "including monthly Average and maximum daily flows and daily instantaneous peak flow rates." (Information is to enable the owner to assess the capability of the water system to meet Existing and future uses.)
- A statement that captures the comparison of the flow information above to the rated Capacity and flow rates approved in the water supply's approval.

Compliance Report Card:

Compliance Event	# of Events
Ministry of Environment Inspections	January 24, 2024
Ministry of Labour Inspections	0
QEMS External Audit	Off-Site Plant Audit – 3 OFI's
AWQIs	1 TC April 17 & 11 TC May 8
Non-Compliance	3 – Sampling Frequencies
Community Complaints	2
Watermain Breaks & Service Repairs	5

Adverse Water Quality Incidents:

Date	AWQI #	Issue
April 17	161 773	1 TC for Distribution Sample at the Clarence Creek Garage
May 8	161 916	11 TC for Distribution Sample at the Clarence Creek Garage

Non-Compliance :

Legislation	requirement(s) system failed to meet	Details	Corrective Action	Status
O.Reg 170/03 Sch. 15	Alkalinity	Missed Sample window	Reminded staff, requested samples be taken at the beginning of the sample period	Complete

Non-Compliance Identified in a Ministry Inspections:

Legislation	requirement(s) system failed to meet	duration of the failure (i.e. date(s))	Corrective Action	Status
O. Reg 170/03 Sch. 6	Inorganic sampling	Sample taken too early	Reviewed sampling calendars with staff, made a new sample calendar that automatically calculates next sample date range when you enter the previous sample date.	Complete
O. Reg 170/03 Sch. 6	Organic sampling	Sample taken too early		Complete

In 2023, all provincial requirements have been met and are in accordance with Schedule 22 of O. Reg 170/03, under the Safe Drinking Water Act.

[Consultation](#)

N/A

[Recommendations or comments from committee/ other departments](#)

N/A

[Financial impact \(expenses/material/etc.\)](#)

N/A

[Legal implications](#)

Completion and submission of the City's annual drinking water report ensures that the municipality is in compliance with provincial requirements.

[Risk management](#)

Undertaking the annual drinking water report enables the municipality to assess the condition of its water system and the quality of the water produced at the plant in keeping with provincial standards and, as

necessary, implement required improvements in a timely fashion.

Strategic implications

Completing the drinking water quality assessment supports the Health and Wellness priority pillar by providing services that respond to the continued health and well-being of its residents.

Supporting documents

Attachment A: Rockland Water Annual Report 2023