



## REPORT N° INF2020-43

<b>Date</b>	07/12/2020
<b>Submitted by</b>	Philippe Cormier
<b>Subject</b>	Wastewater Treatment Works 2019 Annual report
<b>File N°</b>	INF2020-43

1) **NATURE/GOAL :**

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

2) **DIRECTIVE/PREVIOUS POLICY :**

N/A

3) **DEPARTMENT'S RECOMMENDATION :**

**Whereas**, the Environmental Compliance Approval (ECA) for the waste treatment plant requires that an annual report be submitted to the Ministry of Environment, Conservation and Parks (MECP) with respect to the operation of the City's waste treatment plant;

**BE IT RESOLVED** that Council receives the report entitled "Rockland Wastewater Pollution Control Plant – 2019 Annual Report".

**Attendu que** l'approbation environnemental (AE) de l'usine d'eau usé requiert que la ville soumette au Ministère de l'environnement un rapport annuel détaillant les opérations associés au plan des eau usé.

**QU'IL SOIT RESOLU QUE** le conseil reçoit le rapport intitulé "Rockland Wastewater Pollution Control Plant – 2019 Annual Report".

**BACKGROUND :**

In 1997, a new wastewater treatment plant was built in Rockland to replace the lagoon treatment system.

As per condition 15(3) (a) to (g) of the Special Terms and Conditions of the Environmental Compliance Approval (ECA) number 1990-9P3PRG, an annual report of the activities of the plant is required. 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. It must be submitted to the Ministry By no later than March 31, 2020.

4) **DISCUSSION :**

The Rockland Wastewater Pollution Control Plant 2019 Annual report summarizes various plant activities that occurred in 2019 and evaluates the overall performance of the waste treatment plant.

(a) *Plant Flows*

The Average Day Flow (ADF) reaching the Wastewater Pollution Control Plant in 2019 was 4862 **m<sup>3</sup> /d**. The ADF remained 28.5% below the 6,800 m<sup>3</sup> /d rated capacity of the facility. A peak flow of 15 139 m<sup>3</sup> /d occurred on April 27, 2019, representing 87.3% of the 17 340 m<sup>3</sup> /d maximum design flow capacity.

The 2019 waste Treatment Plant flows can be summarized as follow;

	<b>Design Flow (m<sup>3</sup>/day)</b>	<b>2019 Flow (m<sup>3</sup>/day)</b>	<b>Percent of Design Flow</b>
Average Day Flow	6,800	4,862	71.50%
Maximum Day Flow	17,340	15,139	87.30%

(b) *Biosolids Management*

During the fall of 2019, the biosolids produced by the Rockland sewage plant, were hauled and spread on a NASM (Non-Agricultural Source Material) approved farm owned by Pilon Farm and Ethier Farm.

The municipality continued using the approved farm locations to spread the Rockland sewage plant biosolids in 2019. A meeting with landowners and commercial fertilizer supplier will be coordinated in the winter of 2020 to discuss continued to use of the lands.

In response to odour complaints received from neighboring businesses near the sewage plant during summer season, initiatives were undertaken to minimize these odours. OCWA has added an MECP approved product to the aerobatic digesters. The effectiveness of this product will be monitored by the City the, procedures will continue year round.

5) **PUBLIC MEETING:**

N/A

6) **RECOMMENDATIONS OR COMMENTS FROM COMMITTEE/ OTHER DEPARTMENTS :**

N/A

- 7) **FINANCIAL IMPACT (expenses/material/etc.):**  
N/A
- 8) **LEGAL IMPLICATIONS :**  
In order to respect the terms of the ECA for the plant, the City is obliged to undertake and submit the annual reports to the Ministry.
- 9) **RISK MANAGEMENT :**  
Analyzing the annual operational characteristics of the Plant enables staff to identify potential capital and operational issues and initiate proactive rehabilitation strategies as necessary.
- 10) **STRATEGIC IMPLICATIONS :**  
Preparation of the Wastewater Treatment Plant annual report supports the Environmental Responsibility priority (as described in the City's strategic plan) by ensuring that city infrastructure is "... maintained in an environmentally responsible manner and rehabilitation works are implemented to protect our environment..."
- 11) **SUPPORTING DOCUMENTS:**
- Attachment – Rockland Wastewater Plant – 2019 Annual Report