



REPORT N° INF2019-000

Date	08/10/2019
Submitted by	Philippe Cormier
Subject	Wastewater Treatment Works 2018 Annual report
File N°	INF2019-000

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 :**

BE IT RESOLVED that the report entitled "Rockland Wastewater Pollution Control Plant – 2018 Annual Report", be received as information.

QU'IL SOIT RESOLU QUE le rapport intitulé " Rockland Wastewater Pollution Control Plant – 2018 Annual Report ", soit reçu à titre d'information.

4) **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 prior to the ministries' March 31 deadline.

5) **DISCUSSION :**

The Rockland Wastewater Pollution Control Plant 2018 Annual report summarizes various activities and evaluates the performance of the waste treatment plant.

The Average Day Flow (ADF) of 4,415m³/day experienced in 2018 represents 64.93% of the 6,800 m³/day ADF Design Criteria. The Rockland WPCP treated effluent met all the ECA effluent concentration limits and loading requirements throughout 2018. The 2018 Waste Treatment Plant flows can be summarized as follow;

	Design Flow (m ³ /day)	2017 Flow (m ³ /day)	Percent of Design
Average Day Flow m ³ /day	6,800	4,415	64.93%
Maximum Day Flow m ³ -day	17,340	16,867	97.27%

During 2018, approximately 10,100m³ of biosolids was transferred from the WPCP to the on-site drying lagoons, with final disposal of 2,378 m³ of partially dried biosolids to approved NASM farmland. Disposal agreements with NASM farmlands are valid for 5 years with options of renewal. The Municipality currently has three agreements with with NASM approved farms, thus two contracts are valid until 2020 and one until 2019. A meeting is scheduled for December 2019 with landowners and commercial fertilizer suppliers to discuss further use of farmlands. The municipality has received plans to extend all three contracts for 5-year terms.

Odour complaints were received from neighboring businesses near the sewage plant on Industrial Street during the summer period of 2018. These odours originated from the biosolids storage lagoons located north of the sewage plant as well as the aerobic digester during maintenance work on the SBRs. In effort to minimize these odors; OCWA continued to add an MOE approved product called Bio-Desolve to the aerobic digester year-round and scheduled maintenance work during favorable conditions.

- 6) **CONSULTATION:**
N/A
- 7) **RECOMMENDATIONS OR COMMENTS FROM COMMITTEE/ OTHER DEPARTMENTS :**
N/A
- 8) **FINANCIAL IMPACT (expenses/material/etc.):**
N/A
- 9) **LEGAL IMPLICATIONS :**
N/A
- 10) **RISK MANAGEMENT :**
N/A

11) **STRATEGIC IMPLICATIONS :**

N/A

12) **SUPPORTING DOCUMENTS:**

- Rockland Wastewater Pollution Control Plant – 2018 Annual Report