

THE CORPORATION OF THE MUNICIPALITY OF MISSISSIPPI MILLS

ROADS AND PUBLIC WORKS REPORT

MEETING DATE: June 15, 2021

TO: Committee of the Whole

FROM: Abby Armstrong, B.A. (Env.)
Environmental Compliance Coordinator

SUBJECT: MISSISSIPPI MILLS WASTEWATER TREATMENT PLANT 2020 ANNUAL REPORT

RECOMMENDATION:

THAT Committee of the Whole recommend Council receive the 2020 Annual Summary Report for the Mississippi Mills Wastewater Treatment Plant as prepared by the Ontario Clean Water Agency for information purposes.

BACKGROUND:

Terms and conditions contained within the Municipality's Certificate of Approval for the Municipality's Wastewater Treatment Plant require that the Owner prepare and submit an annual summary report to the Ministry of Environment, Conservation, and Parks (MECP) for each calendar year of operations.

Each report submission is required to summarize system compliance with respect to monitoring for volumetric flows as well as compliance limits for all chemical analysis performed for influent and effluent parameters. The attached report by the Ontario Clean Water Agency (OCWA) presently satisfies these reporting requirements and will be submitted to the MECP for review.

DISCUSSION:

The facility automatically diverts all flows over 14,100 m³/day to the attenuation pond Cell A where the effluent is stored and returned to the facility for processing during lower flow periods. Compliance limits have not exceeded, with the annual average flow of the Wastewater Treatment Plant at 3,951.7 m³/d, which is in compliance with the limit of 4,700 m³/d.

For ease of review, staff have provided a series of tables below that summarize events during the reporting cycle. Additional details on these reporting areas may be found in the parent summary document appended to this report.

Table 1 – Bypass/Overflow Events

<i>Event</i>	<i>Comments</i>
Gemmill's Bay SPS January 11, 2020	A heavy rain and snow melt caused high flows at Gemmill's Bay sewage pumping station. Both pumps were running at full speed could not keep up with the flow. This resulted in an overflow of raw sewage.

Table 2 – Spills

<i>Event</i>	<i>Comments</i>
Gemmill's Bay SPS February 8, 2020	Staff received a high wet well alarm and arrived at Gemmill's Bay SPS to find no power. The Transfer Switch was stuck in the neutral position which caused the diesel generator backup to be offline. This resulted in an overflow of raw sewage.
Gemmill's Bay SPS August 11, 2020	Power outage throughout the municipality and no back up power through the Transfer Switch was available caused the overflow raw sewage at Gemmill's Bay SPS. This resulted in an overflow of raw sewage.

Table 3 – Biosolids Applications (Terratec Environmental)

<i>Date</i>	<i>Comments</i>
May 12, 2020	470.5 tonnes land applied.
November 9, 2020	366.9 tonnes land applied.
Total	938.4 tonnes land applied.

Table 4 – Septage

<i>Year</i>	<i>Comments</i>
2020	3356.7 m ³ of septage was received in 2020. The spill containment area for the septage receiving station received an upgrade in 2020. The upgrade included relocate piping to the catch basin adjacent to the WWTP, relocated piping to the septage tank in the WWTP and proper slope of septage receiving station to ensure no spill or overflow from the spill containment area to the natural environment will occur.

In closing, the event summaries provided, and the appended Annual Report, demonstrate that the Municipality's wastewater system continues to operate with a high rate of environmental compliance. The Municipality and OCWA's ongoing commitment to invest in system management, operational improvements and efficiencies, capital investments, and training continues to reflect in system performance.

FINANCIAL IMPLICATIONS:

None.

SUMMARY:

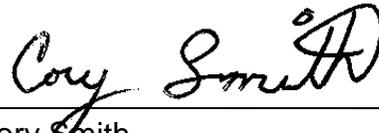
The Municipality must prepare and an Annual Summary Report to the Ministry of Environment, Conservation, and Parks. The attached 2020 Annual Report prepared by the Ontario Clean Water Agency currently serves to meet the reporting requirements pursuant to this regulatory approval.

Respectfully submitted,

Reviewed by,



Abby Armstrong
Environmental Compliance Coordinator



Cory Smith
A/Director of Roads & Public Works

Approved by,



Ken Kelly
Chief Administrative Officer