

## 2020 Year End Report: Gravenhurst Clean Water Plant (CWP) **Addendum**



Environmental Compliance Approval: # 7847-ABVPD3

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## Effluent Objective Analysis

The effluent objectives were met during all sample periods.

*Revised text added April 2021:*

*Upon review of the 2020 final effluent pH results there was one result of 6.39 which occurred on August 11. This result was incorrectly entered and was a field result for unionized ammonia calculation use. The identical composite sample of August 11 was analyzed by the external lab and the pH was 7.27 which appears to be the correct pH with an effluent alkalinity of 84 mg/L therefore the 6.39 appears to be a in-house lab error resulting in the Min pH for the year being 6.61.*

## Final Effluent Analysis Summary

All final effluent samples tested for CBOD5, suspended solids, ammonia, E. Coli, and total phosphorous were below non-compliance limits outlined in the ECA.

*Table 3 Final Effluent Analysis Summary*

Parameter	Minimum	4 Week Average Maximum	Annual Average	Average Loading kg/day
COBD5 (mg/L)	2	2.25	2.06	6.16
Suspended Solids (mg/L)	2	2.25	2	6.09
Total Phosphorus (mg/L)	0.03	0.06	0.04	0.11
Ammonia (mg/L)	0.1	1.125	0.22	0.65
E. Coli (#/100 mL)- GEOMEAN	0	0.41	1.08	N/A
pH	<i>Min- 6.61 revised</i>	Max- 7.87	7.32	N/A

## Summary of Complaints received throughout the reporting period

There were no complaints received in the reporting period.

Added text April 2021:

*There were no odour complaints associated with the plant itself. There was one odour complaint in the collection system received via the District website. The District was made aware of this issue on Monday May 25 from a resident. It was determined that the odour originated from a MH receiving wastewater from the District Knister SPS which serves the Ontario Fire College. A review of flow trends shows a relation between the complaint time and Knister pump cycles, plus with Covid-19 pandemic restrictions the Fire College is closed down resulting in odourous septic wastewater conditions. As a preventative measure District operations does swab the Knister Forcemain on a scheduled basis.*