

2020 Year End Report: Port Carling Clean Water Plant (CWP) Addendum



Environmental Compliance Approval: # 4174-AG8T75

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Added text and table April 2021:

Effluent Objective Analysis

Objectives were achieved for the majority of all sampling parameters with the exemption of Nitrate-Nitrogen. Monthly Average Concentration was in exceedance of 10mg/L in January (10.93) and February (12.0) and Max Loading was in exceedance of 9.26kg/day in January (9.45) and March (13.06). Colder temperatures along with oversized blowers (difficult to manage) appear to be the challenge in meeting this objective throughout winter months.

Table 18 Effluent Loading and Concentration Summary 2020: Nitrate-Nitrogen (NO3)

Month	Average mg/L	Average kg/day	Maximum Daily kg/day
January	10.93	5.33	9.45
February	12.00	4.27	6.28
March	8.04	6.94	13.06
April	6.85	4.92	8.45
May	5.91	3.24	4.41
June	2.38	1.13	1.39
July	2.05	0.99	1.32
August	1.26	0.65	0.82
September	1.72	0.82	1.24
October	2.15	0.90	1.24
November	7.77	3.37	5.12
December	9.23	5.21	8.50
Average Monthly	5.86	3.15	5.11
Effluent Objective	10.00		9.26
Non-Compliance	N/A		N/A