

Executive Summary

2016 Annual Report

Township of Emo Sewage Facilities

- Total volume of sewage entering lagoons $207,251 \text{ m}^3 / 365 = 568 \text{ m}^3 / \text{day}$ average.

- Cell #1 was discharged in May/June for a total of 17 days with a total of 2 samples taken for BOD. With an average of 3.15 mg/l – 2 samples taken for TSS with an average of 8.3 mg/l. 2 samples taken for T.K.N with an average of 9.745 mg/l. 2 samples taken for T.P with an average of 0.553 mg/l. Total discharge was 82,875 m³.

- Cell #2 was discharged in May for a total of 7 days with a total of 1 sample for BOD with this concentration of 3.7 mg/l. 1 sample taken for TSS with a concentration of 6.5 mg/l. 1 sample taken for TKN with a concentration of 1.6 mg/l. 1 sample taken for the concentration of T.P with a concentration of 0.404 mg/l.
Total discharge was 41,880 m³.

- Cell #2 was discharged again in Oct for a total of 13 days with a total of 2 samples for BOD with this concentration of 11.3 mg/l. 2 samples taken for TSS with a concentration of 110. mg/l. 2 samples taken for TKN with a concentration of 7.25 mg/l. 2 samples taken for the concentration of T.P with a concentration of 1.40 mg/l.
Total discharge was 41,880 m³.

Before each and every discharge, samples were taken and sent to ALS to ensure we were below the requirements.. Grab samples were taken at discharge pipe entering the drainage pipe. Samples were taken once per week as per our ECA.

There were no emergency upsets in the year 2016. Although we did have elevated results for T.S.S. I believe this had to do with very high winds at sampling time.

Township of Emo

Raw Sewage Flows

From Roy Street Lift Station to Lagoon

Monthly Total and Average for the Year 2016

Month	Total	Daily Average
January	19,731	636
February	18,947	653
March	37,479	1,209
April	33,863	1,129
May	25,992	835
June	12,670	422
July	7,956	256
August	9,816	316
September	10,273	342
October	11,520	372
November	10,536	351
December	8,568	276
Total	207,251 m3	568 m3/day