

Appendix B

Monitoring Program Station No. ALT-2 & ALT 3

Year: 2012

Month: June to September

ALT-2 Name: Sewage Terrace Outfall Point

ALT-3 Name: Sewage Terrace Final Discharge Point

Description: Effluent Quality Results.

Notes:

The Alert Sewage Terrace System is being monitored through a parallel research study program administered by Fleming College in Lindsay, Ontario, and 1 Canadian Air Division in Winnipeg, Manitoba. The Alert Sewage Terrace System is managed by 1 Canadian Air Division. Water quality samples are collected and analyzed by the Centre for Alternative Wastewater Treatment (CAWT) at Fleming College via the City of Peterborough Environmental Protection Laboratories (CALA member #2916).

Summary of Results:

ALT-2 is located at the Sewage Terrace Outfall Point.

As per **Part J, Item 5**, ALT-3 is located at the weir box as the Sewage Terrace Final Discharge Point (location ID# 12SH-3). In reference to **Part D, Item 9**, for ALT-3, the results are summarized:

Parameter	Maximum [] of any Grab Sample	Results from ALT-3 (Location ID# 12SH-3)
(cBOD5)	80 mg/L	112 mg/L
Total Suspended Solids	70 mg/L	124 mg/L
Oil and Grease	5 mg/L & no sheen	36.7 mg/L & No visible sheen
pH	Between 6 and 9	7.46

The following parameters exceeded the maximum allowable concentrations at ALT-3: cBOD5, TSS, and Oil and Grease. At the time of this Annual Report submission, Fleming College is still preparing the 2012 CFS Alert Constructed Wetland Assessment Report. This Report is expected to be delivered to 1 Canadian Air Division in Manitoba at the fiscal year end (31 March 2013). The interim draft report detailing the 2012 performance of the Alert Sewage Terrace System is included in this Appendix.