

## **Appendix B**

### **Monitoring Program Station No. ALT-2 & ALT 3**

**Year:** 2014

**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 near the weir box as the Sewage Terrace Final Discharge Point (location ID# 14SH-3). In reference to **Part D, Item 9**, for ALT-3, the results are summarized:

<b>Parameter</b>	<b>Maximum [] of any Grab Sample</b>	<b>Results from ALT-3 (Location ID# 14SH-3)</b>
<b>BOD5</b>	80 mg/L	79 mg/L
<b>Total Suspended Solids</b>	70 mg/L	<b>805 mg/L</b>
<b>Oil and Grease</b>	5 mg/L & no sheen	<b>23 mg/L</b> & No visible sheen
<b>pH</b>	Between 6 and 9	7.9

The following parameters exceeded the maximum allowable concentrations at ALT-3: TSS, and Oil and Grease. The final report detailing the 2014 performance of the Alert Sewage Terrace System is included in this Appendix (B).