

## **Appendix A**

### **Monitoring Program Station No. ERK-1**

**Year:** 2014

**Name:** Sewage Treatment Facility

**Description:** Sampling of Effluent prior to release.

### **Results:**

Due to transportation and logistical issues, the Department of National Defence (DND) Sampling Team was unable to visit CFS Eureka in June. This prevented the collection of any June 2013 samples.

### **June**

On June 21st, 2014, DND collected a grab sample from ERK-1, as per **3BC-ERK1015, Part J, Item 3**; the results are shown below:

<b>Parameter</b>	<b>Maximum Concentration of Any Grab Sample</b>	<b>Results from ERK1</b>
BOD5	80 mg/L	57 mg/L
Total Suspended Solids	70 mg/L	<b>217 mg/L</b>
Fecal Coliforms	$1 \times 10^6$ CFU/100 mL	$3.40 \times 10^2$ CFU/100 mL
Oil and Grease	No visible sheen	2.0 mg/L & No visible sheen
pH	Between 6 and 9	7.54

A copy of the analytical results are attached in Appendix F.

**Additional Notes:**

TSS was above the NWB criteria. The grab sample was taken within the secondary containment cell of the sewage lagoon. Elevated TSS results may be associated with the turbulent flow of water driven by the sewage input and/or wind action with the containment cell material as shown below.



ERK-1 in June 2014.

Effluent is produced during CFS Eureka operations that begin in early-June and ended by late-June (1 month). CFS Eureka is closed during the winter season period and there is no on-site staff and no waste/effluent generation. It should be noted that the opening and closing dates vary by year due to logistical and military factors.

**July**

CFS Eureka was closed for the season.

**August**

CFS Eureka was closed for the season.