

## **Appendix A**

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

**Year:** 2012

**Name:** Sewage Treatment Facility

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

#### **Results:**

##### **June**

Due to a water supply shortage at Eureka, Nunavut (Environment Canada), the Department of National Defence (DND) was unable to open CFS Eureka in June. Opening of the Fort was delayed until July. As such, the DND Sampling Team was unable to reach CFS Eureka that prevented the collection of any June 2012 samples.

##### **July**

During the July 15<sup>th</sup>, 2012, visit by the Inspector, the Department of National Defence was directed on site to decant the Sewage Treatment Facility (DND Sewage Lagoon).

Samples from ERK-1 were taken for analysis 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	56 mg/L
Total Suspended Solids	70 mg/L	<b>83 mg/L</b>
Fecal Coliforms	1 x 10 <sup>6</sup> CFU/100 mL	Not Detected
Oil and Grease	No visible sheen	No visible sheen
pH	Between 6 and 9	<b>9.46</b>

##### **Additional Notes:**

TSS and pH were above the NWB criteria.

Effluent is produced during the warm season as CFS Eureka operations typically begin from early May and ending in the middle of summer (end-July). CFS Eureka is closed during the winter season period where 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.

See Appendix F for Analysis Results.

##### **August**

CFS Eureka was closed for the season.