

## Appendix A

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

**Year:** 2018

**Name:** Sewage Treatment Facility

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

### **Results:**

#### **July**

On July 1<sup>st</sup>, 2018, the Department of National Defence (DND) Sampling Team collected a grab sample from ERK-1, as per **8BC-ERK1621, Part J, Item 3**; the results are shown below:

| Parameter              | Maximum Concentration of Any Grab Sample | Results from ERK1           |
|------------------------|--|-----------------------------|
| BOD5                   | 80 mg/L                                  | 70 mg/L                     |
| Total Suspended Solids | 70 mg/L                                  | <b>221 mg/L</b>             |
| Fecal Coliforms        | 1 x 10 <sup>6</sup> CFU/100 mL           | ND (Non-Detect)             |
| Oil and Grease         | No visible sheen                         | 1.4 mg/L & No visible sheen |
| pH                     | Between 6 and 9                          | <b>9.44</b>                 |

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

### **Additional Notes:**

TSS and pH were above the NWB criteria. The grab sample was taken within the secondary containment cell of the sewage lagoon.



ERK-1 in July 2018; water samples were collected.

Effluent is produced during CFS Eureka operations that begin in early-June and ended by mid-July (1.5 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.

**August**

CFS Eureka was closed for the season.