

Appendix A

Monitoring Program Station No. ERK-1

Year: 2016

Name: Sewage Treatment Facility

Description: Sampling of Effluent prior to release.

Results:

June

On June 18th, 2016, the Department of National Defence (DND) Sampling Team collected a grab sample from ERK-1, as per **3BC-ERK1015, Part J, Item 3** since the new **8BC-ERK1621** had not been issued at the time; the results are shown below:

Parameter	Maximum Concentration of Any Grab Sample	Results from ERK1
BOD5	80 mg/L	33 mg/L
Total Suspended Solids	70 mg/L	88 mg/L
Fecal Coliforms	1 x 10 ⁶ CFU/100 mL	0 CFU/100 mL
Oil and Grease	No visible sheen	0.7 mg/L & No visible sheen
pH	Between 6 and 9	8.83

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 2016; water samples were collected.

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.