

Appendix A

Monitoring Program Station No. ERK-1

Year: 2013

Name: Sewage Treatment Facility

Description: Sampling of Effluent prior to release.

Results:

June

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.

July

On July 11th, 2013, CFS Eureka was visited by the AANDC Inspector.

Samples from ERK-1 were taken for analysis as per **3BC-ERK1015, Part J, Item 3**; the results are shown below:

Parameter	Maximum Concentration of Any Grab Sample	Results from ERK1
BOD5	80 mg/L	136 mg/L
Total Suspended Solids	70 mg/L	370 mg/L
Fecal Coliforms	1 x 10 ⁶ CFU/100 mL	4.1 x 10 ³ CFU/100 mL
Oil and Grease	No visible sheen	0.6 mg/L & No visible sheen
pH	Between 6 and 9	8.74

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

Additional Notes:

BOD5 and TSS were above the NWB criteria. The grab sample was taken within the secondary containment cell of the sewage lagoon. Elevated parameters may be associated with the presence of effluent particulates and processing (green water).



July 2013 Sampling of ERK-1.

Effluent is produced during the warm season as CFS Eureka operations began mid-June and ended by late-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.

August

CFS Eureka was closed for the season.