

Appendix B

Monitoring Program Station No. ERK-2

Year: 2011

Name: Landfarm Facility

Description: Sampling of Effluent prior to release.

Results:

Department of National Defence had no intentions to discharge any freshet from ERK-2 (Landfarm) in 2011.

To demonstrate compliance to the water licence and to collect baseline information, water samples in ERK-2 were collected and analyzed in June 2011.

The results are compiled below:

Parameter	Maximum Concentration of any Grab Sample	Results from June 2011
Benzene (ug/L)	370	<0.20* ug/l
Toluene (ug/L)	2	<0.20* ug/L
Ethylbenzene (ug/L)	90	<0.10* ug/L
Lead (ug/L)	1	<0.002* mg/L
Oil and Grease (mg/L)	15 and no visible sheen	0.7 mg/L and no visible sheen
Phenols (ug/L)	20	<0.001* mg/L

* denotes value below the Reported Detection Limit (RDL).

Lead concentration was determined to be below the Reported Detection Limit of 0.002 mg/L. Upon analysis, the RDL is above the Water Licence criteria. As such, DND will rectify the laboratory detection limit and discrepancy for the 2012 Monitoring Program.

Notes:

The Department of National Defence had no intentions to discharge any water contained in the Landfarm Containment in 2011. The water is reapplied to the contaminated soils contained within the Landfarm, during the summer season, as part of the biological remediation treatment process. DND has no intentions to discharge any water in ERK-2 in 2012.

See Appendix G for Analysis Results.