



National Defence
National Defence Headquarters
Ottawa, Ontario
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Défense nationale
Quartier général de la Défense nationale
Ottawa, Ontario
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24 October 2019

To: Nunavut Water Board, Licensing Department

Re: Long Term Monitoring Reports for DEW Line Sites

DND is re-sending this cover letter to ensure that it was received by the NWB. The reports referenced herein were submitted to the NWB via Purolator on May 23, 2019 and were delivered to the NWB office in Gjoa Haven on June 10, 2019.

Pursuant to Section 14.1 of the *Nunavut Water Regulations (SOR/2013-69)*, the Department of National Defence is providing the Nunavut Water Board with this package which fulfills the obligations to provide annual reports for each of the DEW Line sites located in Nunavut that are monitored by DND.

As you are aware, the DND DEW Line sites are now in the Long Term Monitoring Phase of remediation. The current agreement between DND and NTI has the monitoring structured as follows:

- Phase I (years 1 to 5 post construction);
- Phase II (years 7, 10, 15, and 25 post construction); and,
- Phase III (yet to be determined).

The reports generated by the monitoring contractors for the 2018 field season are enclosed on a DVD. Please note that for those sites where no activity occurred in 2018, no monitoring report will be submitted to the NWB.

A summary of the long term monitoring activities that took place in 2018 and relevant reporting obligations to the NWB are summarized in Table 1 below.

Table 1. Summary of Long Term Monitoring Fulfilling the Obligation for Annual Reporting Under Section 14.1 of the Nunavut Waters Regulations (SOR/2013-69)

	PIN-2 / 1BR-CAP1623	FOX-2 / 1BR-LON1422	FOX-3 / 1BR-FOD1320	FOX-4 / 1BR-FOX1523	DYE-M / 1BR-DYE1623	CAM-5 / 1BR-MAC1323	FOX-M / 1BR-HAL1533	FOX-5 / 1BR-QIK1320		PIN-3 / 1BR-FRA1730	PIN-4 / 1BR-BYR1320	CAM-M / NWB5CAM0520	CAM-1 / 1BR-JEN1323	CAM-2 / 1BR-GLA1531	CAM-3 / 1BR-SHE1733	CAM-4 / 1BR-PEL1016
2018 Monitoring Year	7	7	7	20	5	8	9	12		Not monitored in 2018						
Summary of Water Used On Site	Regularly scheduled full monitoring event; < 30 L of groundwater purged and sampled at each site. Bottled water brought to the sites for personal consumption; no other water use.					Re-visited in 2018 to complete geotechnical inspection work that was missed in 2016 and 2017; no water samples collected. Bottled water brought to the sites for personal consumption; no other water use.				Not applicable						
Unauthorized Discharges	None															
Spill Contingency Plan Revisions	None															
Abandonment and Restoration Plan Revisions	None															
Reclamation Work Undertaken	None															
Results of Monitoring Program	See monitoring reports					No environmental monitoring										
GPS Coordinates of Water Taken	See monitoring reports					No water samples collected										
Volume of Water Taken	< 30 L per site					No water samples collected										
GPS Coordinates and Waste Deposited	None															
Any Other Details on Water Use or Waste Disposal	None															
Any Responses or Follow Up Actions on Inspections / Compliance Reports	None															
Any Additional Comments or Information for the Board to Consider	None															

Should you have any questions regarding these reports or this summary table, please do not hesitate to contact me at alison.street@forces.gc.ca or at (613) 995-8603.

Regards,



Alison Street, P.Eng.
Project Engineer, DEW Line Clean-Up and Long Term Monitoring, DND

Enclosed DVD (sent via Purolator in May, 2019):

PIN-2 2018 Monitoring Report (1BR-CAP1623)
FOX-2 2018 Monitoring Report (1BR-LON1422)
FOX-3 2018 Monitoring Report (1BR-FOD1320)
FOX-4 2018 Monitoring Report (1BR-FOX1523)
DYE-M 2018 Monitoring Report (1BR-DYE1623)

CAM-5 2018 Geotechnical Addendum (1BR-MAC1323)
FOX-M 2018 Geotechnical Addendum (1BR-HAL1533)
FOX-5 2018 Geotechnical Addendum (1BR-QIK1320)