

## **Appendix D**

### **Monitoring Program Stations No. ALT-8-9-10-11**

**Year:** 2015

**Description:** Discharge from Tank Farm Secondary Containments ALT-8-9-10 & Landfarm Facility ALT-11.

### **Results:**

The Department of National Defence (DND) intended to discharge water from the Fuel Tank Farm Secondary Containments at ALT-8-9 in July 2015. At least 10 days notice was provided to the Inspector and Nunavut Water Board, the email chain is attached below.

Water samples from within the secondary containments of ALT-8-9 were collected on 29 June 2015 and analyzed; analytical results are attached in Appendix E.

Two samples were taken at ALT-8 (sample identifications: ALT-8 and ALT-8.1) to better represent the freshet quality due to the large size of the Secondary Containment facility.

DND had no intentions to discharge any waters from the New Day Tank Landfarm at ALT-10 (as identified in the Renewal & Amendment Applications) and the LandFarm Containment at ALT-11.

*New ALT-10 Day Tank Landfarm – June 2015- Dry - No water in containment.*



In June 2015, analytical results (Appendix E) of the freshet in ALT-8-9 did not exceed any of the Effluent Quality Limits (Part D, Item 11).

**Notes (extra spaces removed):**

**From:** Atuat Shouldice [mailto:Atuat.Shouldice@aandc-aadnc.gc.ca]  
**Sent:** Friday, July 17, 2015 11:39 AM  
**To:** Tam A@CFB Trenton WENV@Trenton  
**Cc:** Eva Paul; Craig DA@CFB Trenton WENV@Trenton; Wheeler LE@1 Cdn Air Div HQ A4 CE@Winnipeg; licensing@nwb-oen.ca  
**Subject:** Re: 3BC-ALT1015 Alert Berm Water Discharge Notice

Thank you Andrew

You may proceed with discharge.

Please ensure that any samples taken in the future are tested for all parameters required in the water licence.

Have a great weekend

**Atuat Shouldice**

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Aboriginal Affairs and Northern Development Canada  
Nunavut Regional Office  
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>>> <[Andrew.Tam@forces.gc.ca](mailto:Andrew.Tam@forces.gc.ca)> 7/17/2015 10:02 AM >>>

Good morning Atuat,

As per our earlier conversation today and as per Nunavut Water Board (NWB) Licence 3BC-ALT1015, Part D, Para. 14, the Department of National Defence (DND) would like to provide notice of our intent to discharge water from the Fuel Storage Facilities at CFS Alert, Nunavut.

DND would like to discharge water from the following secondary containment berms:

ALT-8 - Airfield Tank Farm Secondary Containment;  
ALT-9 - Upper Tank Farm Secondary Containment.

Attached is the Certificate of Analysis containing the water analytical results.

Please note that due to the large area of ALT-8, I had collected two grab samples labelled: ALT-8 from the southern portion of the Airfield Tank Farm (orange fuel tanks) and ALT-8.1 from the

northern portion of the Airfield Tank Farm (white fuel tanks).

As well, the ALT-10 – Day Fuel Tank Farm Secondary Containment and the proposed ALT-10 – New Landfarm Facility does not require discharging as there was no berm water present in late-June/early-July. As well, the water in ALT-11 – Landfarm (aka Biopile) was kept contained to hydrate the contaminated soils for ongoing remediation during the summer treatment season.

For the discharges of berm water at ALT-8 and ALT-9, the analytical results are compliant to the limits of the Water Licence Effluent Quality Limits (Part D, Para. 11) with no exceedances as all are below detection levels. Unfortunately, the Oil & Grease results for ALT-8.1 were not included by the lab, so I have requested a follow up; however, given no detections at ALT-8, I do not suspect there will be any detection at this location either.

Please accept this notice and if there are no concerns, DND will proceed with discharging water, as described above, from the secondary containments before the winter conditions return to CFS Alert.

Could you please provide authorization for discharging, as described above, soonest?

As per our discussions during the field inspection, I will advise the Station to ensure that proper sediment/erosion controls are taken while discharging any water to prevent damages to the tundra.

If you have any questions or concerns, please do not hesitate to contact me.

Best regards,

Andrew Tam

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