

From: Andrew.Tam@forces.gc.ca
To: Andrew.Keim@inac-ainc.gc.ca
Cc: licensing@nunavutwaterboard.org; Drew.Craig@forces.gc.ca
Subject: RE: 3BC-ALT1015 Alert Berm Water Discharge Notice
Date: Thursday, June 23, 2011 8:15:24 AM
Attachments: [3BC-ALT1015 Certificate of Analysis for ALT-8 Resample June 2011.pdf](#)

Hi Andrew,

Just to recap our conversation this morning, the ALT-8 berm water re-sampling result for lead remained above the NWB Licence Lead limit (1.0 µg/L) at: 1.8 µg/L. Please find the Certificate of Analysis attached in this email.

As discussed, 8 Wing Trenton is shipping to CFS Alert, a Water Treatment Unit (custom designed by Filter Innovations Inc., Toronto, ON) to process the berm water with an additional Heavy Metal Filtration add-on unit to address the lead concentration.

Once the unit is operational at CFS Alert, DND would like permission to begin de-watering the berm.

To ensure the effectiveness of this system, and as advised by INAC, DND will take water samples from the out coming effluent for laboratory analysis (lead concentration) at: (1) the beginning of discharge, (2) during discharge, and (3) at the end of discharge.

If you have any questions or concerns, please feel free to contact me.

Again, thank you for your assistance.

Regards,

Andrew Tam
M.Sc., Ph.D. Candidate (Univ. of Toronto)
Assistant Environment Officer | Assistant officier de l'environnement
Environmental Management | Gestion d'environnement
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From: Andrew Keim [<mailto:Andrew.Keim@inac-ainc.gc.ca>]
Sent: Tuesday, 14, June, 2011 08:36 AM
To: +Alert 8 Wing Env@ADMIN@CFSAAlert; licensing@nunavutwaterboard.org
Cc: Tam A@CFB Trenton WENV@Trenton; Craig DA@CFB Trenton WENV@Trenton
Subject: Re: 3BC-ALT1015 Alert Berm Water Discharge Notice

Acknowledged,

Please proceed as we discussed.

Andrew Keim
Water Resources Officer
INAC Nunavut Regional Office

P.O. Box 100
Iqaluit, Nunavut X0A 0H0
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>>> <Alert8WingEnv@forces.gc.ca> 6/13/2011 3:38 PM >>>
Dear Phyllis,

As per my conversation with Andrew Keim (INAC Inspector) on 13 Jun 2011, the Department of National Defence (DND) would like to provide notice of our intent to discharge water from the Fuel Storage Facilities.

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 for 3BC-ALT1015 sites: ALT-8, ALT-8.2, ALT-9, and ALT-10.

<<3BC-ALT1015 Certificate of Analysis for ALT-8,8.2,9,10 June 2011.pdf>>

Please note that due to the large area of ALT-8, I have collected two samples: ALT-8 from the southern portion of the Airfield Tank Farm and ALT-8.2 from the northern portion of the Airfield Tank Farm. In addition, ALT-10 (Day Tank Secondary Containment) does not require discharging due to evaporation.

As mentioned to Andrew Keim, the southern berm sample ALT-8 had a lead concentration of 1.1 µg/L that exceeds the 1.0 µg/L Lead limit; DND will resample this location for analysis as suggested by INAC.

If there are no concerns, DND will proceed with discharging water from the secondary containments in 10 days from this notice.

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

As I am currently at CFS Alert, Nunavut, you may reach me at Alert8WingEnv@forces.gc.ca until 14 Jun 2011.

After this date, please contact me at: andrew.tam@forces.gc.ca

Finally, may I please request a confirmation of receipt for this email?

Regards,

Andrew Tam, MSc, PhD (Candidate).
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