

From: [Julian Morse](#)
To: [Permits](#)
Cc: [Jen Potten](#)
Subject: FW: NATCL - Dewatering of Orange Tank Berm Notification
Date: Thursday, September 29, 2016 2:23:22 PM
Attachments: [image001.png](#)

Please post to MV2015L2-0003. You can post the whole string rather than individual emails. I'll send the first email separately so you have the attachments, but you can just attach them to the string.

-J

From: Kyle Conway [mailto:KConway@natcl.ca]
Sent: Thursday, September 29, 2016 2:06 PM
To: Tim Morton <Tim.Morton@aandc-aadnc.gc.ca>
Cc: Cantung - Enviro <enviro@natcl.ca>; Julian Morse <jmorse@mvlwb.com>; Brian Delaney <bdelaney@natcl.ca>; James McCulloch <jmcculloch@natcl.ca>
Subject: RE: NATCL - Dewatering of Orange Tank Berm Notification

Thank you Tim.

I've copied the individual conducting the dewatering activities.

From: Tim Morton [mailto:Tim.Morton@aandc-aadnc.gc.ca]
Sent: Thursday, September 29, 2016 12:54 PM
To: Kyle Conway
Cc: Cantung - Enviro; Morse, Julian
Subject: Re: NATCL - Dewatering of Orange Tank Berm Notification

Thanks Kyle. NATCL is approved to discharge the water located within the berm to the area discussed during our phone conversation. The discharge is to immediately cease and you are to contact the Inspector without delay if there is any visible sheen or odour detected during the dewatering process.

Tim

Tim Morton

Resource Management Officer(Inspector)
Indigenous and Northern Affairs Canada
Yellowknife, NT
Office: (867) 669-2442
Cell: (867) 445-7935

tim.morton@aandc-aadnc.gc.ca

>>> Kyle Conway <KConway@natcl.ca> 9/29/2016 1:15 PM >>>

Good day Tim.

As per our conversation, I've attached water quality results from sampling of the water contained within the orange tank farm secondary containment berm. Results have been compared with the EQC in Part G, Item 38 of Water License MV2015-003 and are below the stated criteria. No observable sheen or odour was detected. Pictures of the water contained within the berm have been attached

for your reference. With your approval, NATCL staff will dewater the secondary containment berm in preparation for the winter season.

Let me know if you have question or concerns.

Regards,

KC

Kyle Conway
Sr. Environmental Coordinator



North American Tungsten Corporation Ltd.

Cantung Mine Site

P.O. Box 848

Watson Lake, YT

Y0A 1C0

Ph: (604) 759 - 0913 ext 243

Department E-mail: cantungenviro@natcl.ca

Direct E-mail: kconway@natcl.ca

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CLIENT NAME: NORTH AMERICAN TUNGSTEN CORP LTD.
PO BOX 19 ST 1640-1188 W. GEORGIA ST
Vancouver, BC V6E4A2
(604) 684-5300

ATTENTION TO: Kyle Conway

PROJECT: NATC, Cantung Mine Site

AGAT WORK ORDER: 16Y140639

TRACE ORGANICS REVIEWED BY: Andrew Garrard, B.Sc., General Manager

DATE REPORTED: Sep 28, 2016

PAGES (INCLUDING COVER): 7

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (778) 452-4000

***NOTES**

VERSION 1: Sample receipt temperature 3°C.

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

Certificate of Analysis

 CLIENT NAME: NORTH AMERICAN TUNGSTEN CORP LTD.
 PROJECT: NATC, Cantung Mine Site
 SAMPLING SITE:

 AGAT WORK ORDER: 16Y140639
 ATTENTION TO: Kyle Conway
 SAMPLED BY:

EPH Water							
SAMPLE TYPE: Water		SAMPLE ID: 7869095		DATE RECEIVED: Sep 22, 2016			
DATE SAMPLED: Sep 19, 2016				DATE REPORTED: Sep 28, 2016			
SAMPLE DESCRIPTION: OTB							
PARAMETER	UNIT	RESULT	G / S	RDL	DATE ANALYZED	INITIAL	DATE PREPARED
EPH C10-C19	µg/L	160		100	Sep 26, 2016	CQ	Sep 26, 2016
EPH C19-C32	µg/L	270		100	Sep 26, 2016	CQ	Sep 26, 2016

COMMENTS:

 RDL - Reported Detection Limit; G / S - Guideline / Standard
 EPH results are not corrected for potential PAH contributions.

Certified By:


Certificate of Analysis

 CLIENT NAME: NORTH AMERICAN TUNGSTEN CORP LTD.
 PROJECT: NATC, Cantung Mine Site
 SAMPLING SITE:

 AGAT WORK ORDER: 16Y140639
 ATTENTION TO: Kyle Conway
 SAMPLED BY:

NATC - BTEX in Water							
SAMPLE TYPE: Water		SAMPLE ID: 7869095		DATE RECEIVED: Sep 22, 2016			
DATE SAMPLED: Sep 19, 2016				DATE REPORTED: Sep 28, 2016			
SAMPLE DESCRIPTION: OTB							
PARAMETER	UNIT	RESULT	G / S	RDL	DATE ANALYZED	INITIAL	DATE PREPARED
Benzene	µg/L	<0.5		0.5	Sep 23, 2016	CK	Sep 23, 2016
Toluene	µg/L	<0.5		0.5	Sep 23, 2016	CK	Sep 23, 2016
Ethylbenzene	µg/L	<0.5		0.5	Sep 23, 2016	CK	Sep 23, 2016
Total Xylenes	ug/L	<1		1		SYS	
SURROGATE	UNIT	RESULT	ACCEPTABLE LIMITS		DATE ANALYZED	INITIAL	DATE PREPARED
Bromofluorobenzene	%	81	70-130		Sep 23, 2016	CK	Sep 23, 2016
Dibromofluoromethane	%	90	70-130		Sep 23, 2016	CK	Sep 23, 2016
Toluene - d8	%	97	70-130		Sep 23, 2016	CK	Sep 23, 2016

COMMENTS:

RDL - Reported Detection Limit; G / S - Guideline / Standard

Certified By:


Quality Assurance

CLIENT NAME: NORTH AMERICAN TUNGSTEN CORP LTD.
 PROJECT: NATC, Cantung Mine Site
 SAMPLING SITE:

AGAT WORK ORDER: 16Y140639
 ATTENTION TO: Kyle Conway
 SAMPLED BY:

Trace Organics Analysis

RPT Date: Sep 28, 2016			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE		MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

NATC - BTEX in Water

Benzene	66305	7868620	<0.5	<0.5	NA	< 0.5	101%	80%	120%			94%	70%	130%
Toluene	66305	7868620	<0.5	<0.5	NA	< 0.5	101%	80%	120%			96%	70%	130%
Ethylbenzene	66305	7868620	<0.5	<0.5	NA	< 0.5	102%	80%	120%			98%	70%	130%
Bromofluorobenzene	66305	7868620	82	81	1.2%		105%	70%	130%			105%	70%	130%
Dibromofluoromethane	66305	7868620	88	88	0.0%		110%	70%	130%			88%	70%	130%
Toluene - d8	66305	7868620	97	95	2.1%		96%	70%	130%			100%	70%	130%

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.

EPH Water

EPH C10-C19	66308	W-MS1	8450	8040	5.0%	< 100	111%	70%	130%			94%	70%	130%
EPH C19-C32	66308	W-MS1	9300	8980	3.5%	< 100	101%	70%	130%			85%	70%	130%

Comments: RPDs are calculated using raw analytical data and not the rounded duplicate values reported.

Certified By: 

Method Summary

CLIENT NAME: NORTH AMERICAN TUNGSTEN CORP LTD.

AGAT WORK ORDER: 16Y140639

PROJECT: NATC, Cantung Mine Site

ATTENTION TO: Kyle Conway

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
EPH C10-C19	ORG-180-5134	Modified from BC MOE Lab Manual Section D (EPH)	GC/FID
EPH C19-C32	ORG-180-5134	Modified from BC MOE Lab Manual Section D (EPH)	GC/FID
Benzene	ORG-180-5130	Modified from BC MOE Lab Manual Section D	GC/MS/FID
Toluene	ORG-180-5130	Modified from BC MOE Lab Manual Section D	GC/MS/FID
Ethylbenzene	ORG-180-5130	Modified from BC MOE Lab Manual Section D	GC/MS/FID
Bromofluorobenzene	ORG-180-5130	modified from BC MOE Lab Manual Section D	GC/MS
Dibromofluoromethane	ORG-180-5130	modified from BC MOE Lab Manual Section D	GC/MS
Toluene - d8	ORG-180-5130	modified from BC MOE Lab Manual Section D	GC/MS



AGAT Laboratories

2910 - 12 Street N.E.
 Calgary, Alberta, T2E 7P7
 http://webearth.agatlabs.com

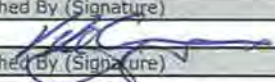
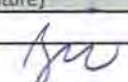
Phone: 403-735-2005
 Fax: 403-735-2771
 Toll free: 1-866-764-7554
 www.agatlabs.com

Laboratory use Only

Arrival Condition: Good Poor (complete 'notes')

Arrival Temperature: 7°C AGAT Job Number: 164140639

Notes: _____

Report To: Company: North American Tungsten Corp. Contact: Kyle Conway Address: 1640-1188 West Georgia Street Phone: 6047590913x243 FAX: 6047590918 PO#: _____ Client Project #: NATC, Cantung Mine Site		Report Information 1. Name: Kyle Conway Email: <u>cantungenviro@natcl.ca</u> 2. Name: _____ Email: _____		Report Format <input type="checkbox"/> Single Sample per Page <input type="checkbox"/> Multiple Samples per Page <input checked="" type="checkbox"/> Excel Format Included		Turnaround Time (TAT) Required Regular TAT: <input checked="" type="checkbox"/> 5 to 7 working days Rush TAT: <input type="checkbox"/> 24 to 48 hours <input type="checkbox"/> 48 to 72 hours Date Required: _____ Time Required: _____																							
Invoice to: Same (Y/N) - Circle Company: North American Tungsten Corporation Ltd. Contact: Accounts Payable Address: PO Box 19, #1640 1188 West Georgia St. Vancouver, BC V6E 4A2 Phone: (604)6845300 Fax: 604 684 2992 PO#: _____		Regulatory Requirements (Check): <input type="checkbox"/> Alberta Tier 1 <input type="checkbox"/> Canadian Drinking Water <input type="checkbox"/> PST (1994) <input type="checkbox"/> PST (2001) <input type="checkbox"/> Upstream Oil & Gas <input type="checkbox"/> G - 50 <input type="checkbox"/> B.C. CSR <input type="checkbox"/> CCME (Indicate one) <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Res/Park <input type="checkbox"/> Ag <input type="checkbox"/> _____ FWAL		<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">ICP Total Metals (HNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">General (Raw) - include TDS</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">ICP Dissolved Metals (Filtered&HNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Nutrients (Raw)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">EPH (NaHSO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (NaHSO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Ammonia (H2SO4)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Radium 226 (4xHNO3)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">PCB/TOX</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Metals</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Hazardous (Y/N)</td> <td style="writing-mode: vertical-rl; transform: rotate(180deg);">Lab Sample #</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		ICP Total Metals (HNO3)	General (Raw) - include TDS	ICP Dissolved Metals (Filtered&HNO3)	Nutrients (Raw)	EPH (NaHSO4)	BTEX (NaHSO4)	Total Ammonia (H2SO4)	Radium 226 (4xHNO3)	PCB/TOX	Total Metals	Hazardous (Y/N)	Lab Sample #												
ICP Total Metals (HNO3)	General (Raw) - include TDS	ICP Dissolved Metals (Filtered&HNO3)	Nutrients (Raw)	EPH (NaHSO4)	BTEX (NaHSO4)	Total Ammonia (H2SO4)	Radium 226 (4xHNO3)	PCB/TOX	Total Metals	Hazardous (Y/N)	Lab Sample #																		
SAMPLE IDENTIFICATION	DATE / TIME SAMPLED	SAMPLE MATRIX	# OF CONTAINERS	COMMENTS - Size/Sample Info, Sample Containment																									
OTB	19-Sep-16	Water	5								N <u>7869095</u>																		
Sample Relinquished By (Signature)		Date/Time	Samples Received By (Signature)		Date/Time	Special Instructions																							
Kyle Conway 		21-Sep-16	Alkan Air		21-Sep-16	Do not allow to freeze																							
Sample Relinquished By (Signature)		Date/Time	Samples Received By (signature)		Date/Time																								
AGAT Whitehorse			AGAT Burnaby 			Page	1	of	1																				



AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM - BURNABY

Work Order # 164140639

RECEIVING BASICS:

Received From: novex Waybill #: _____

SAMPLE QUANTITIES:

Coolers: 1 Containers: 5

TIME SENSITIVE ISSUES:

Earliest Date Sampled: 19-SEP-16 ALREADY EXCEEDED? Yes No

NON-CONFORMANCES:

3 temperatures of samples* and average of each cooler: (record differing temperatures on the CoC next to sample ID's) *use jars when available

(1) 7 + 7 + 7 = 7 °C (2) _____ + _____ + _____ = _____ °C (3) _____ + _____ + _____ = _____ °C (4) _____ + _____ + _____ = _____ °C

Was ice or ice pack present: Yes No

Integrity Issues:

Account Project Manager: _____ have they been notified of the above issues: Yes No

Whom spoken to: _____ Date and Time: _____

ADDITIONAL NOTES:



