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September 14, 2011

Ian Rumbolt
Water Resource Officer
Indian and Northern Affairs Canada
P.O. Box 100, Iqaluit, NU X0A 0H0
Ian.Rumbolt@inac-ainc.gc.ca

VIA EMAIL

David Hohnstein
Director Technical Services
Nunavut Water Board
P.O. Box 119, Gjoa Haven, NU X0B 1J0
dts@nunavutwaterboard.org

Re: 2BE-HOP0712 Notification of Effluent Discharge from Containment Areas for Fuel Containment Facility HOP-5

Dear Ian and David,

Please be advised that HBML, under Part D: Item 17 of the Hope Bay Regional Exploration Type B Water Licence, is providing written notice to the Inspector prior to a planned discharge of accumulated snow melt water from the decommissioned Fuel Containment Facility HOP-5 at Windy Camp.

Samples collected on September 3, 2011 were compliant with the effluent quality standards for discharge as specified in the licence (Table 1). The full lab report is attached.

Table 1. Results of Monitoring Program Station Sampling for HOP-5, Windy Fuel Containment Area

Parameter/SNP Sites	HOP-5	2BE-HOP0712
ALS Lab Reference #	L1017091-1	Maximum Average Concentration (mg/L)
Field Sample Details	HOP-5	Part D: Item 17
Sample Date/Time	Jun 13/11 @ 14:30 hrs	No Requirement Specified
Oil & Grease	<1.0	15
Benzene	<0.00050	0.37
Toluene	<0.00050	0.002
Ethylbenzene	<0.00050	0.09
Lead	<0.00020	0.001

Water will be discharged on the tundra immediately outside of the containment berm in a manner that prevents erosion at the point of discharge or downstream. The estimated volume for discharge is 100 m³

from HOP-5. The actual volume of water removed from the berm will be recorded for regulatory reporting purposes.

Kindly acknowledge receipt of this notification and direct any questions to the undersigned. If you have any questions please feel free to contact me at angela.holzapfel@newmont.com.

Sincerely,

Angela Holzapfel
Manager of Environmental Compliance
Hope Bay Mining Ltd.

cc. Phyllis Beaulieu, Nunavut Water Board



HOPE BAY MINING LTD
ATTN: Sr. Env. Co-ordinator
300 - 889 Harbourside Drive
North Vancouver BC V7P 3S1

Date Received: 07-SEP-11
Report Date: 13-SEP-11 09:28 (MT)
Version: FINAL

Client Phone: 604-985-2572

Certificate of Analysis

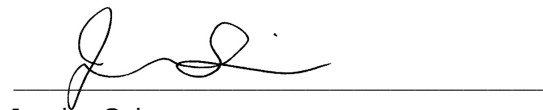
Lab Work Order #: L1055134

Project P.O. #: CED24A

Job Reference:

C of C Numbers: 1

Legal Site Desc:



Jessica Spira
Senior Account Manager

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ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1055134-1 HOP5-03SEP11PRE							
Sampled By: K. VENTER/J. TURK on 03-SEP-11 @ 13:30							
Matrix: WATER							
BTEX & F1-F4							
BTEX and F1 (C6-C10)							
Benzene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
Toluene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
Ethylbenzene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
o-Xylene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
m+p-Xylene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
F1(C6-C10)	<0.10		0.10	mg/L	10-SEP-11	10-SEP-11	R2248671
F1-BTEX	<0.10		0.10	mg/L	10-SEP-11	10-SEP-11	R2248671
Xylenes	<0.00071		0.00071	mg/L	10-SEP-11	10-SEP-11	R2248671
F2, F3, F4							
F2 (>C10-C16)	<0.25		0.25	mg/L	10-SEP-11	10-SEP-11	R2249225
F3 (C16-C34)	<0.25		0.25	mg/L	10-SEP-11	10-SEP-11	R2249225
F4 (C34-C50)	<0.25		0.25	mg/L	10-SEP-11	10-SEP-11	R2249225
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		10-SEP-11	R2249196
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.108		0.020	mg/L		12-SEP-11	R2249949
Antimony (Sb)-Total	<0.00080		0.00080	mg/L		12-SEP-11	R2249949
Arsenic (As)-Total	0.00232		0.00080	mg/L		12-SEP-11	R2249949
Barium (Ba)-Total	0.0565		0.0060	mg/L		12-SEP-11	R2249949
Beryllium (Be)-Total	<0.0020		0.0020	mg/L		12-SEP-11	R2249949
Boron (B)-Total	0.28		0.10	mg/L		12-SEP-11	R2249949
Cadmium (Cd)-Total	<0.00010		0.00010	mg/L		12-SEP-11	R2249949
Chromium (Cr)-Total	<0.010		0.010	mg/L		12-SEP-11	R2249949
Cobalt (Co)-Total	<0.0040		0.0040	mg/L		12-SEP-11	R2249949
Copper (Cu)-Total	0.0080		0.0020	mg/L		12-SEP-11	R2249949
Lead (Pb)-Total	<0.00020		0.00020	mg/L		12-SEP-11	R2249949
Lithium (Li)-Total	0.033		0.020	mg/L		12-SEP-11	R2249949
Molybdenum (Mo)-Total	<0.010		0.010	mg/L		12-SEP-11	R2249949
Nickel (Ni)-Total	0.0061		0.0040	mg/L		12-SEP-11	R2249949
Selenium (Se)-Total	<0.00080		0.00080	mg/L		12-SEP-11	R2249949
Silver (Ag)-Total	<0.00020		0.00020	mg/L		12-SEP-11	R2249949
Thallium (Tl)-Total	<0.00020		0.00020	mg/L		12-SEP-11	R2249949
Tin (Sn)-Total	<0.10		0.10	mg/L		12-SEP-11	R2249949
Titanium (Ti)-Total	0.0043		0.0020	mg/L		12-SEP-11	R2249949
Uranium (U)-Total	0.00162		0.00020	mg/L		12-SEP-11	R2249949
Vanadium (V)-Total	<0.0020		0.0020	mg/L		12-SEP-11	R2249949
Zinc (Zn)-Total	<0.0080		0.0080	mg/L		12-SEP-11	R2249949
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	195		0.50	mg/L		12-SEP-11	R2249924
Iron (Fe)-Total	1.56		0.010	mg/L		12-SEP-11	R2249924
Magnesium (Mg)-Total	148		0.10	mg/L		12-SEP-11	R2249924
Manganese (Mn)-Total	0.191		0.0020	mg/L		12-SEP-11	R2249924
Potassium (K)-Total	22.9		0.10	mg/L		12-SEP-11	R2249924
Sodium (Na)-Total	664		1.0	mg/L		12-SEP-11	R2249924
Miscellaneous Parameters							
Ammonia (as N)	<0.050		0.050	mg/L		10-SEP-11	R2249236
Oil and Grease	<1.0		1.0	mg/L		09-SEP-11	R2248968
Phenols (4AAP)	0.0146	RRV	0.0010	mg/L		12-SEP-11	R2249945
Total Kjeldahl Nitrogen	2.04		0.20	mg/L	10-SEP-11	10-SEP-11	R2249226

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1055134-1 HOP5-03SEP11PRE							
Sampled By: K. VENTER/J. TURK on 03-SEP-11 @ 13:30							
Matrix: WATER							
Phosphorus (P)-Total	0.095		0.020	mg/L	10-SEP-11	10-SEP-11	R2249247
Total Suspended Solids	10.0		3.0	mg/L		12-SEP-11	R2249799
CCME PAHs							
Naphthalene	<0.000070	DLMB	0.000070	mg/L	12-SEP-11	12-SEP-11	R2250215
Quinoline	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
Acenaphthene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Fluorene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Phenanthrene	<0.000070	DLMB	0.000070	mg/L	12-SEP-11	12-SEP-11	R2250215
Anthracene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Acridine	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
Fluoranthene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Pyrene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(a)anthracene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Chrysene	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(b&j)fluoranthene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(k)fluoranthene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(a)pyrene	<0.0000050		0.0000050	mg/L	12-SEP-11	12-SEP-11	R2250215
Indeno(1,2,3-cd)pyrene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Dibenzo(a,h)anthracene	<0.0000050		0.0000050	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(g,h,i)perylene	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
B(A)P Total Potency Equivalent	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Surrogate: Nitrobenzene d5	72		40-130	%	12-SEP-11	12-SEP-11	R2250215
Surrogate: 2-Fluorobiphenyl	75		40-130	%	12-SEP-11	12-SEP-11	R2250215
Surrogate: p-Terphenyl d14	80		40-130	%	12-SEP-11	12-SEP-11	R2250215
Routine Water Analysis							
Chloride by IC							
Chloride (Cl)	1230	DLM	5.0	mg/L		09-SEP-11	R2248892
Dissolved Metals in Water by ICPOES							
Calcium (Ca)-Dissolved	226		0.50	mg/L		11-SEP-11	R2249702
Magnesium (Mg)-Dissolved	165		0.10	mg/L		11-SEP-11	R2249702
Potassium (K)-Dissolved	23.7		0.50	mg/L		11-SEP-11	R2249702
Sodium (Na)-Dissolved	707		1.0	mg/L		11-SEP-11	R2249702
Ion Balance Calculation							
Ion Balance	100			%		12-SEP-11	
TDS (Calculated)	3300			mg/L		12-SEP-11	
Hardness (as CaCO3)	1240			mg/L		12-SEP-11	
Nitrate as N by IC							
Nitrate (as N)	<0.50	DLM	0.50	mg/L		09-SEP-11	R2248892
Nitrate+Nitrite							
Nitrate and Nitrite (as N)	<0.71		0.71	mg/L		09-SEP-11	
Nitrite as N by IC							
Nitrite (as N)	<0.50	DLM	0.50	mg/L		09-SEP-11	R2248892
Sulfate by IC							
Sulfate (SO4)	808	DLM	5.0	mg/L		09-SEP-11	R2248892
pH, Conductivity and Total Alkalinity							
pH	8.23	RRV	0.10	pH		09-SEP-11	R2248704
Conductivity (EC)	5530	RRV	0.20	uS/cm		09-SEP-11	R2248704
Bicarbonate (HCO3)	285	RRV	5.0	mg/L		09-SEP-11	R2248704
Carbonate (CO3)	<5.0	RRV	5.0	mg/L		09-SEP-11	R2248704
Hydroxide (OH)	<5.0	RRV	5.0	mg/L		09-SEP-11	R2248704
Alkalinity, Total (as CaCO3)	233	RRV	5.0	mg/L		09-SEP-11	R2248704

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1055134-2 HOP5-03SEP11POST							
Sampled By: K. VENTER/J. TURK on 03-SEP-11 @ 14:30							
Matrix: WATER							
BTEX & F1-F4							
BTEX and F1 (C6-C10)							
Benzene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
Toluene	0.00051		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
Ethylbenzene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
o-Xylene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
m+p-Xylene	<0.00050		0.00050	mg/L	10-SEP-11	10-SEP-11	R2248671
F1(C6-C10)	<0.10		0.10	mg/L	10-SEP-11	10-SEP-11	R2248671
F1-BTEX	<0.10		0.10	mg/L	10-SEP-11	10-SEP-11	R2248671
Xylenes	<0.00071		0.00071	mg/L	10-SEP-11	10-SEP-11	R2248671
F2, F3, F4							
F2 (>C10-C16)	<0.25		0.25	mg/L	10-SEP-11	10-SEP-11	R2249225
F3 (C16-C34)	<0.25		0.25	mg/L	10-SEP-11	10-SEP-11	R2249225
F4 (C34-C50)	<0.25		0.25	mg/L	10-SEP-11	10-SEP-11	R2249225
Total Metals - CCME							
Mercury (Hg) - Total							
Mercury (Hg)-Total	<0.00010		0.00010	mg/L		10-SEP-11	R2249196
Total Metals in Water by ICPMS (Low)							
Aluminum (Al)-Total	0.061		0.010	mg/L		12-SEP-11	R2249949
Antimony (Sb)-Total	0.00348		0.00040	mg/L		12-SEP-11	R2249949
Arsenic (As)-Total	0.0471		0.00040	mg/L		12-SEP-11	R2249949
Barium (Ba)-Total	0.166		0.0030	mg/L		12-SEP-11	R2249949
Beryllium (Be)-Total	<0.0010		0.0010	mg/L		12-SEP-11	R2249949
Boron (B)-Total	<0.050		0.050	mg/L		12-SEP-11	R2249949
Cadmium (Cd)-Total	<0.000050		0.000050	mg/L		12-SEP-11	R2249949
Chromium (Cr)-Total	<0.0050		0.0050	mg/L		12-SEP-11	R2249949
Cobalt (Co)-Total	0.0029		0.0020	mg/L		12-SEP-11	R2249949
Copper (Cu)-Total	<0.0010		0.0010	mg/L		12-SEP-11	R2249949
Lead (Pb)-Total	0.00022		0.00010	mg/L		12-SEP-11	R2249949
Lithium (Li)-Total	0.029		0.010	mg/L		12-SEP-11	R2249949
Molybdenum (Mo)-Total	<0.0050		0.0050	mg/L		12-SEP-11	R2249949
Nickel (Ni)-Total	0.0164		0.0020	mg/L		12-SEP-11	R2249949
Selenium (Se)-Total	<0.00040		0.00040	mg/L		12-SEP-11	R2249949
Silver (Ag)-Total	<0.00010		0.00010	mg/L		12-SEP-11	R2249949
Thallium (Tl)-Total	<0.00010		0.00010	mg/L		12-SEP-11	R2249949
Tin (Sn)-Total	<0.050		0.050	mg/L		12-SEP-11	R2249949
Titanium (Ti)-Total	0.0021		0.0010	mg/L		12-SEP-11	R2249949
Uranium (U)-Total	0.0363		0.00010	mg/L		12-SEP-11	R2249949
Vanadium (V)-Total	0.0039		0.0010	mg/L		12-SEP-11	R2249949
Zinc (Zn)-Total	0.0104	RRV	0.0040	mg/L		12-SEP-11	R2249949
Total Metals in Water by ICPOES (Low)							
Calcium (Ca)-Total	129		0.50	mg/L		12-SEP-11	R2249924
Iron (Fe)-Total	0.513		0.010	mg/L		12-SEP-11	R2249924
Magnesium (Mg)-Total	63.4		0.10	mg/L		12-SEP-11	R2249924
Manganese (Mn)-Total	0.790		0.0020	mg/L		12-SEP-11	R2249924
Potassium (K)-Total	6.90		0.10	mg/L		12-SEP-11	R2249924
Sodium (Na)-Total	236		1.0	mg/L		12-SEP-11	R2249924
Miscellaneous Parameters							
Ammonia (as N)	1.06	RRV	0.050	mg/L		10-SEP-11	R2249236
Oil and Grease	<1.0		1.0	mg/L		09-SEP-11	R2248968
Phenols (4AAP)	0.0020	RRV	0.0010	mg/L		12-SEP-11	R2249945
Total Kjeldahl Nitrogen	1.49		0.20	mg/L	10-SEP-11	10-SEP-11	R2249226

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1055134-2 HOP5-03SEP11POST							
Sampled By: K. VENTER/J. TURK on 03-SEP-11 @ 14:30							
Matrix: WATER							
Phosphorus (P)-Total	0.106		0.020	mg/L	10-SEP-11	10-SEP-11	R2249247
Total Suspended Solids	<3.0		3.0	mg/L		12-SEP-11	R2249799
CCME PAHs							
Naphthalene	<0.000070	DLMB	0.000070	mg/L	12-SEP-11	12-SEP-11	R2250215
Quinoline	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
Acenaphthene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Fluorene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Phenanthrene	<0.000070	DLMB	0.000070	mg/L	12-SEP-11	12-SEP-11	R2250215
Anthracene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Acridine	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
Fluoranthene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Pyrene	<0.000040	DLMB	0.000040	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(a)anthracene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Chrysene	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(b&j)fluoranthene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(k)fluoranthene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(a)pyrene	<0.0000050		0.0000050	mg/L	12-SEP-11	12-SEP-11	R2250215
Indeno(1,2,3-cd)pyrene	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Dibenzo(a,h)anthracene	<0.0000050		0.0000050	mg/L	12-SEP-11	12-SEP-11	R2250215
Benzo(g,h,i)perylene	<0.000020		0.000020	mg/L	12-SEP-11	12-SEP-11	R2250215
B(A)P Total Potency Equivalent	<0.000010		0.000010	mg/L	12-SEP-11	12-SEP-11	R2250215
Surrogate: Nitrobenzene d5	78		40-130	%	12-SEP-11	12-SEP-11	R2250215
Surrogate: 2-Fluorobiphenyl	78		40-130	%	12-SEP-11	12-SEP-11	R2250215
Surrogate: p-Terphenyl d14	81		40-130	%	12-SEP-11	12-SEP-11	R2250215
Routine Water Analysis							
Chloride by IC							
Chloride (Cl)	231		0.50	mg/L		09-SEP-11	R2248892
Dissolved Metals in Water by ICPOES							
Calcium (Ca)-Dissolved	136		0.50	mg/L		11-SEP-11	R2249702
Magnesium (Mg)-Dissolved	62.8		0.10	mg/L		11-SEP-11	R2249702
Potassium (K)-Dissolved	6.78		0.50	mg/L		11-SEP-11	R2249702
Sodium (Na)-Dissolved	224		1.0	mg/L		11-SEP-11	R2249702
Ion Balance Calculation							
Ion Balance	103			%		12-SEP-11	
TDS (Calculated)	1260			mg/L		12-SEP-11	
Hardness (as CaCO3)	598			mg/L		12-SEP-11	
Nitrate as N by IC							
Nitrate (as N)	<0.050		0.050	mg/L		09-SEP-11	R2248892
Nitrate+Nitrite							
Nitrate and Nitrite (as N)	<0.071		0.071	mg/L		09-SEP-11	
Nitrite as N by IC							
Nitrite (as N)	<0.050		0.050	mg/L		09-SEP-11	R2248892
Sulfate by IC							
Sulfate (SO4)	421		0.50	mg/L		09-SEP-11	R2248892
pH, Conductivity and Total Alkalinity							
pH	8.25		0.10	pH		09-SEP-11	R2248704
Conductivity (EC)	2020		0.20	uS/cm		09-SEP-11	R2248704
Bicarbonate (HCO3)	372		5.0	mg/L		09-SEP-11	R2248704
Carbonate (CO3)	<5.0		5.0	mg/L		09-SEP-11	R2248704
Hydroxide (OH)	<5.0		5.0	mg/L		09-SEP-11	R2248704
Alkalinity, Total (as CaCO3)	305		5.0	mg/L		09-SEP-11	R2248704

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
A	Method Blank exceeds ALS DQO. Refer to narrative comments for further information.
DLM	Detection Limit Adjusted For Sample Matrix Effects
DLMB	Detection Limit increased due to background in Method Blank.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RRV	Reported Result Verified By Repeat Analysis

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
BTX,F1-ED	Water	BTEX and F1 (C6-C10)	EPA 5021/8015&8260 GC-MS & FID
CL-IC-ED	Water	Chloride by IC	APHA 4110 B-ION CHROMATOGRAPHY
F2,F3,F4-ED	Water	F2, F3, F4	EPA 3510/CCME PHC CWS-GC-FID
HG-T-CVAA-ED	Water	Mercury (Hg) - Total	EPA 245.7 / EPA 245.1
IONBALANCE-ED	Water	Ion Balance Calculation	APHA 1030E
MET-D-ICP-ED	Water	Dissolved Metals in Water by ICPOES	APHA 3120 B-ICP-OES
MET-T-L-ICP-ED	Water	Total Metals in Water by ICPOES (Low)	APHA 3120 B-ICP-OES
MET-T-L-MS-ED	Water	Total Metals in Water by ICPMS (Low)	SW 846 - 6020-ICPMS
NH3-CFA-ED	Water	Ammonia in Water by Colour	APHA 4500 NH3-NITROGEN (AMMONIA)
This analysis is carried out using procedures adapted from APHA Method 4500 NH3 "NITROGEN (AMMONIA)". Ammonia is determined using the automated phenate colourimetric method.			
NO2+NO3-CALC-ED	Water	Nitrate+Nitrite	CALCULATION
NO2-IC-ED	Water	Nitrite as N by IC	APHA 4110 B-ION CHROMATOGRAPHY
NO3-IC-ED	Water	Nitrate as N by IC	APHA 4110 B-ION CHROMATOGRAPHY
OGG-ED	Water	Oil and Grease-Gravimetric	APHA 5520 G HEXANE MTBE EXT. GRAVIME
P-T-COL-ED	Water	Total P in Water by Colour	APHA 4500-P PHOSPHORUS
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.			
PAH-CCME-ED	Water	CCME PAHs	EPA 3510/8270-GC/MS
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity	APHA 4500-H, 2510, 2320
All samples analyzed by this method for pH will have exceeded the 15 minute recommended hold time from time of sampling (field analysis is recommended for pH where highly accurate results are needed)			
PHENOLS-4AAP-ED	Water	Phenols (4AAP)	AB ENV.06537-COLORIMETRIC
SO4-IC-ED	Water	Sulfate by IC	APHA 4110 B-ION CHROMATOGRAPHY
SOLIDS-TOTSUS-ED	Water	Total Suspended Solids	APHA 2540 D-Gravimetric
TKN-CFA-ED	Water	TKN in Water by Colour	APHA 4500-NORG (TKN)
This analysis is carried out using procedures adapted from APHA Method 4500-Norg "Nitrogen (Organic)". Total Kjeldahl Nitrogen is determined by sample digestion at 380 celcius with analysis using an automated colourimetric finish.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
ED	ALS ENVIRONMENTAL - EDMONTON, ALBERTA, CANADA

Chain of Custody Numbers:

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
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GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

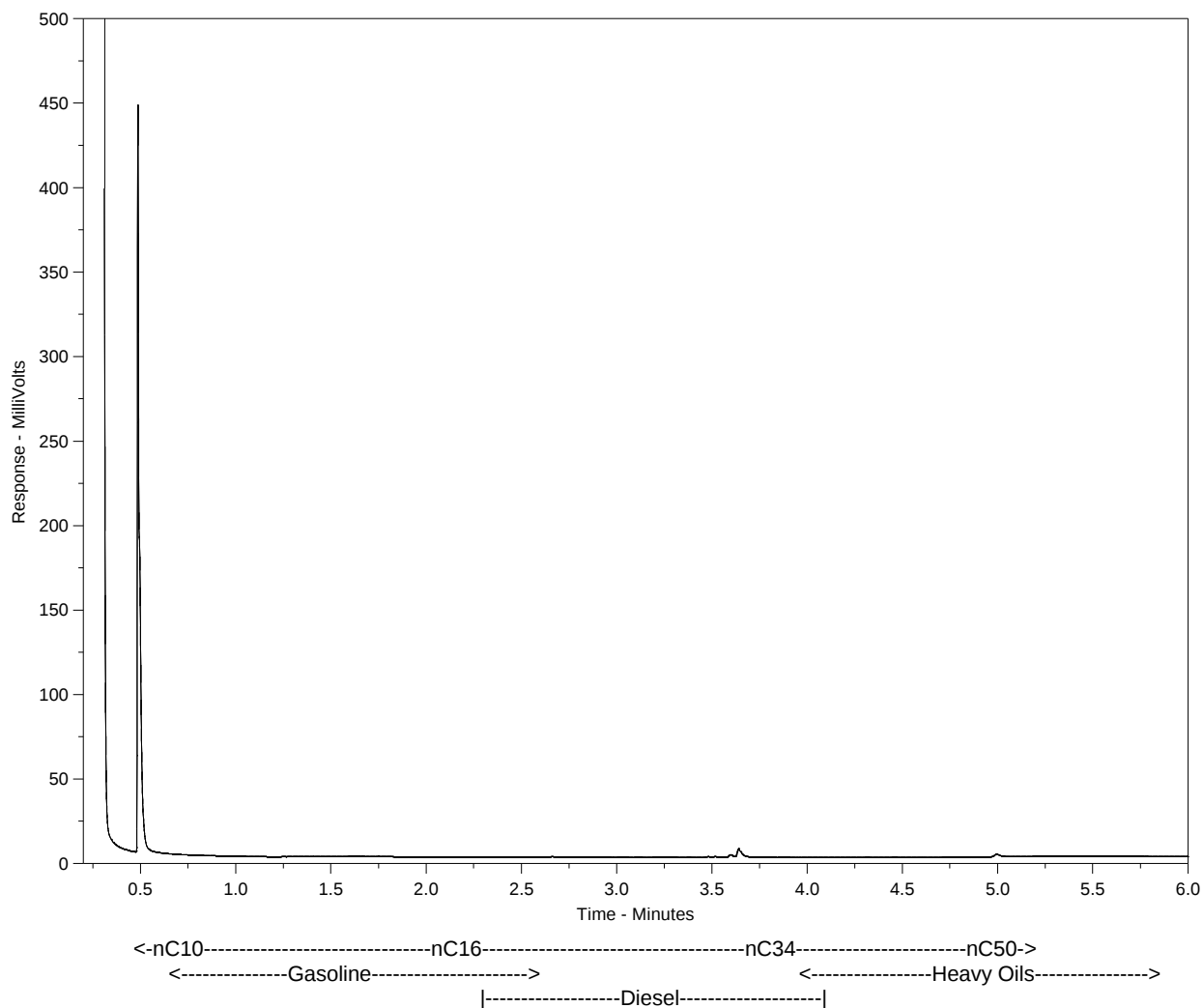
UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Hydrocarbon Distribution Report



ALS Sample ID: L1055134-1
Client ID: HOP5-03SEP11PRE



The Canada Wide Standard Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products as well as a number of specified n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample.

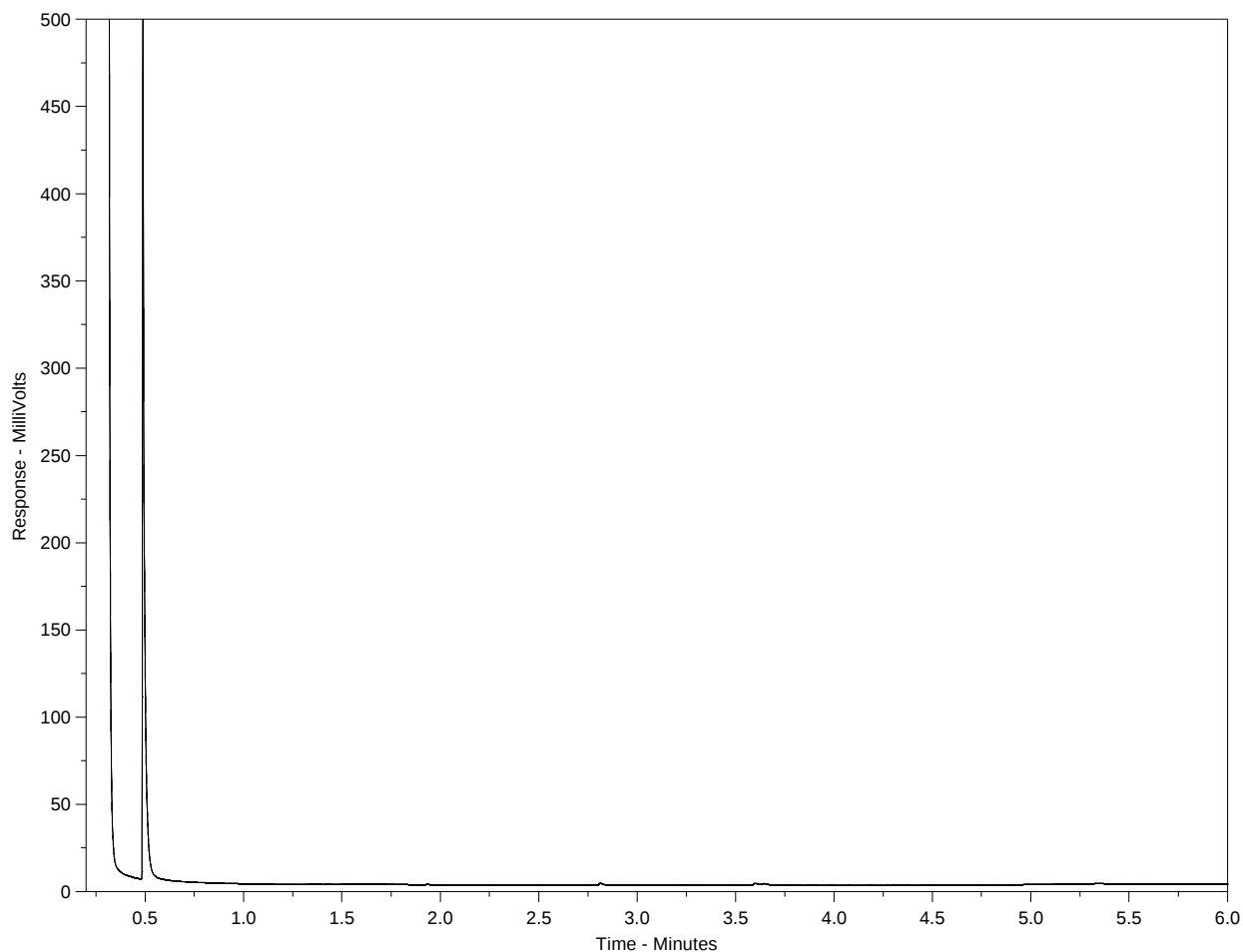
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced with a high temperature GC method that is specific to the Canada-Wide Standard method (December 2007 version). Note that retention times and distribution profiles from reports produced using different GC programs will differ.

Hydrocarbon Distribution Report



ALS Sample ID: L1055134-2
Client ID: HOP5-03SEP11POST



<-nC10-----nC16-----nC34-----nC50->
<-----Gasoline-----> |-----Diesel-----| <-----Heavy Oils----->

The Canada Wide Standard Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products as well as a number of specified n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced with a high temperature GC method that is specific to the Canada-Wide Standard method (December 2007 version). Note that retention times and distribution profiles from reports produced using different GC programs will differ.



www.alsenviro.com

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Fort St. John BC, Box 256, 9831 - 98A Avenue, V1J 6W7, Tel: 250-261-5517 Fax: 250-261-5587
Grand Prairie AB, 9505 - 111 Street, T8V 5W1, Tel: 780-539-5196 Toll Free: 1-800-668-9878 Fax: 780-513-2191
Fort McMurray AB, Bay 1, 245 Macdonald Cr, T9H 4B5, Tel: 780-791-1524 Fax: 780-791-1586
Edmonton AB, 9936 - 67th Avenue, T6E 0P5, Tel: 780-413-5227 Toll Free: 1-800-668-9878 Fax: 780-437-2311
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Saskatoon SK, 819 - 58th Street East, S7K 6X5, Tel: 306-668-8370 Toll Free: 1-800-667-7645 Fax: 306-668-8383

SEND REPORT TO:

L1055137

CHAIN OF CUSTODY FORM

PAGE 1 OF 1

COMPANY:		Hope Bay Mining Limited		ATTN: Sr. Env. Co-ordinator		ANALYSIS REQUESTED:											
ADDRESS:		300-889 Habourside Drive															
CITY:		North Vancouver		PROV:	British Columbia	POSTAL CODE:		V7P 3S1									
TEL:		1-604-985-2572		FAX:	1-604-980-0731	SAMPLER:		K. Venter /J. Turk									
PROJECT NAME AND NO.:				Compliance Water Samples				QUOTE NO.:									
PO NO.:		CED24A		ALS CONTACT:		Jessica Spira											
REPORT FORMAT:		☐ HARDCOPY ☒ EMAIL - ADDRESS: <u>Jill.Turk@Newmont.com</u> ☐ FAX ☒ EXCEL ☒ PDF ☐ OTHER:															
FOR LAB USE ONLY	WO#	SAMPLE IDENTIFICATION		DATE / TIME COLLECTED		MATRIX		PAH	TPH	ROUTINE, TSS, pH	NUTRIENTS	PHENOLS	Oil and Grease (vis nd grav)	BTEX	TOT-MET-CCME	NOTES (sample specific comments, due dates, etc.)	
				YYYY-MM-DD	TIME												
		HOP5-03SEP11pre		2011-09-03	1330	water	X										
		HOP5-03SEP11pre		2011-09-03	1330	water		X									
		HOP5-03SEP11pre		2011-09-03	1330	water			X								
		HOP5-03SEP11pre		2011-09-03	1330	water				X							pres. 2mL H2SO4
		HOP5-03SEP11pre		2011-09-03	1330	water					X						pres. 1mL H2SO4
		HOP5-03SEP11pre		2011-09-03	1330	water						X					pres. 1mL HCl
		HOP5-03SEP11pre		2011-09-03	1330	water							X				precharged
		HOP5-03SEP11pre		2011-09-03	1330	water								X			pres. 5mL HNO3
		HOP5-03SEP11post		2011-09-03	1430	water	X										
		HOP5-03SEP11post		2011-09-03	1430	water		X									
		HOP5-03SEP11post		2011-09-03	1430	water			X								pres. 2mL H2SO4
		HOP5-03SEP11post		2011-09-03	1430	water				X							pres. 1mL H2SO4
		HOP5-03SEP11post		2011-09-03	1430	water					X						pres. 1mL HCl
		HOP5-03SEP11post		2011-09-03	1430	water						X					precharged
		HOP5-03SEP11post		2011-09-03	1430	water							X				pres. 5mL HNO3
	TURN AROUND REQUIRED:		☐ ROUTINE ☒ RUSH SPECIFY DATE: <u>Sept 12/11</u> (surcharge may apply)		RELINQUISHED BY:		DATE:		Sept 6/11		RECEIVED BY:		DATE:		6:30		
	SEND INVOICE TO:		SAME AS REPORT ☐ DIFFERENT FROM REPORT (provide details below)		J. Turk		TIME:		8:00am				TIME:		5:20p		
	INVOICE FORMAT:		☒ HARDCOPY ☒ PDF ☐ FAX		RELINQUISHED BY:		DATE:				RECEIVED BY:		DATE:				
SPECIAL INSTRUCTIONS:		Please send invoice to Attention: HBML Accounting Section using the above address: Please quote this PO #: H00288 Electronic results to:Jill.Turk@Newmont.com and MHBLEnvironmental@Newmont.com				TIME:						TIME:					
FOR LAB USE ONLY Cooler Seal Intact? ☐ Yes ☐ No ☐ N/A Sample Temperature: <u>5.8°C</u> Cooling Method? ☐ Icepacks ☐ Ice ☐ None Frozen? ☐ Yes ☐ No																	