

MEADOWBANK MINE

Preliminary AEM Report – Seepage Water From Waste Rock Storage Facility – Sample Location ST-16

SEPTEMBER 2013

AGNICO EAGLE

MEADOWBANK DIVISION

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1. Issue

During an AANDC Water License inspection on July 29th and 30th 2013 it was observed that "red" colored seepage from the south - east side of the Waste Rock Storage Facility was seeping through the road perimeter into Lake NP-2. Samples were taken by both the Inspector and AEM staff (split sample). Analysis results from this sampling were received by AEM on August 16th, 2013. See Photos 1 and 2 below and Table 1.



Photo 1 – Shore of NP-2



Photo 2 – ST-16 Waste Rock seepage.

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Table 1 – Historical ST-16 Results

	Date	OT 40	OT 40								ST-16
Parameters	Units	ST-16 Average 2011	ST-16 Average 2012		ST-16 /06/2013	04	ST-16 I/07/2013		Г-16 Split 0/07/2013		Split AANDC Result 0/07/2013
*pH		6.49	7.30		6.45		7.21				7.20
*Turbidity	NTU	17	34				17				123
*Conductivity	us/cm		154		420		1485				4510
Alkalinity	mg CaCo3/L	34	67		46		89		272		162
Aluminum	mg/L	0.159	0.513				0.464		0.042		0.045
Dissolved Aluminium	mg/L						0.027	<	0.006		
Ammonia	mgN/L	0.07	0.03	<	0.05		0.20		1.20		
Ammonia-nitrogen	mgN/L		0.22		0.45		7.80		34.00		
Total Dissolved Solids	mg/L	55	175		37		969		3792		
Total Suspended Solids	mg/L										50
Arsenic	mg/L	0.0020	0.0045		0.0029		0.0091		0.0139		0.0083
Dissolved As	mg/L						0.0031		0.0058		
Barium	mg/L	0.0095	0.0196				0.0741		0.1414		0.1480
Dissolved Barium	mg/L						0.0558		0.1433		
Cadmium	mg/L	0.00060	0.00004				0.00014		0.00065		0.00020
Dissolved Cadmium	mg/L						0.0001		0.0007		
Chloride	mg/L	2	3				15		450		192
Chromium	mg/L		0.0048				0.0034		0.0011		0.0010
Copper	mg/L	0.0017	0.0046		0.0028		2.3110		2.0380		3.3500
Dissolved Copper	mg/L						1.909		1.712		
Fluoride	mg/L	0.106	0.098				0.110		0.290		
Hardness	mg CaCO3/L	62	59				361		1417		1020
Iron	mg/L	1.21	1.94				1.60		4.40		21.90
Dissolved Iron	mg/L						0.17		0.06		
Lead	mg/L	0.0010	0.0056	<	0.0003		0.0015		0.0013	<	0.0001
Dissolved Lead	mg/L					<	0.0003	<	0.0003		
Manganese	mg/L	0.588	0.961				2.447		6.370		5.850
Dissolved Manganese	mg/L						2.110		6.055		
Mercury	mg/L	0.00062	0.00007			<	0.00010		0.00005		0.00015
Dissolved Mercury	mg/L					<	0.0001	<	0.0001		
Molybdenum	mg/L	0.001	0.001				0.026		0.170		0.083
Dissolved Molybdenum	mg/L						0.0204		0.1773		
Nickel	mg/L	0.0339	0.0395		0.0069		0.5149		2.0150		1.3300
Dissolved Nickel	mg/L						0.415		1.810		
Nitrate	mg/L	0.17	0.34				8.10		37.80		23.70
Selenium	mg/L	0.002	0.001				0.007		0.020		0.013
Dissolved Selenium	mg/L						0.005		0.023		



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Silver	mg/L	0.0006	0.0049								0.0056
Dissolved Silver	mg/L					<	0.0002		0.0019		
Sulphate	mg/L	24	9				406		2400		1450
Thallium	mg/L	0.0025	0.0025			<	0.0050	<	0.0050	<	0.0001
Dissolved Thallium	mg/L					<	0.005	<			
Zinc	mg/L	0.005	0.008	<	0.001		0.010		0.009	<	0.005
Dissolved Zinc	mg/L						0.003		0.008		
Calcium (Ca)	mg/L										312
Magnesium (Mg)	mg/L										60
Potassium (K)	mg/L										88
Sodium (Na)	mg/L										590
Cesium	mg/L										0.0009
Rubidium	mg/L										0.0687
Ortho-Phosphate as											
Phosphorus	mg/L										
Antimony (Sb)	mg/L						0.0004		0.0012		0.0007
Boron (B)	mg/L						0.04		0.15		
Beryllium (Be)	mg/L					<	0.0005	<	0.0005	<	0.0001
Cobalt (Co)	mg/L						0.0729		0.3114		0.2290
Lithium (Li)	mg/L					<	0.005		0.006		0.004
Tin (Sn)	mg/L					<	0.001	<	0.001		
Strontium (Sr)	mg/L						0.44		2.14		1.40
Tianium (Ti)	mg/L						0.1300		0.5500		0.0007
Uranium (U)	mg/L						0.034		0.170		0.115
Vanadium (V)	mg/L					<	0.0005	<	0.0005		0.0011
Nitrite	mg/L						0.07		0.41		



2. Background Information

Historically, this "red" coloured water had not been observed previously at this location. The water was typically brown colored, indicative of freshet water which is usually impounded by the road and the waste rock. In the spring of 2012, a crushed NPAG rock road was constructed to isolate the sump from NP-2. Results from 2012 and initially in 2013 indicated that the water quality was good with no elevated copper or nickel and typical of freshet surface water quality (see Table 1 above). Based on the June water quality results and historical results in ST-16, AEM continued to monitor the sump as per the Type A water license.

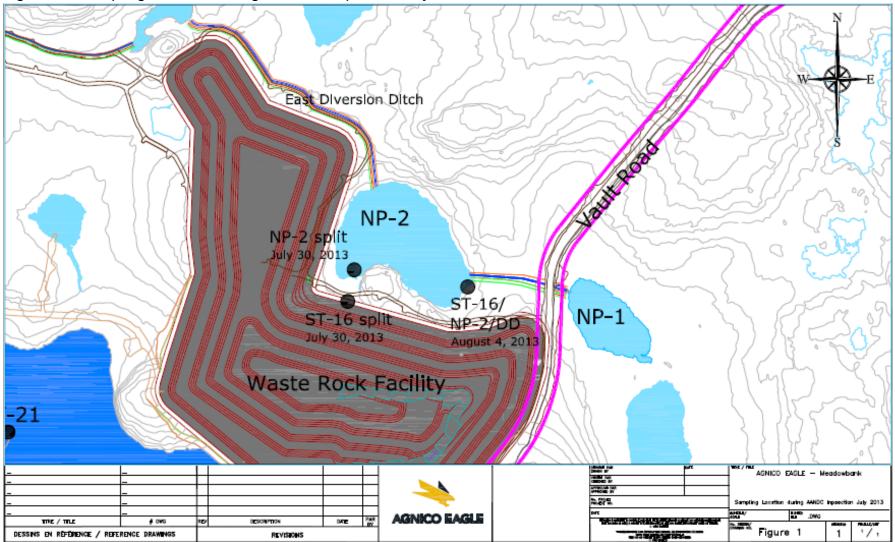
In 2012 the construction of the East and West Diversion ditches was completed. These ditches are designed to keep freshet surface drainage from contacting the Waste Rock Storage Facility and the Tailings Storage Facility (TSF). The East ditch flows through Lakes NP- 2 and connects to Lake NP-1. After freshet there is little turnover in these lakes and the only inflows and outflows would be rainwater (See Figure 1). The ditches ensure that the water levels in these lakes do not rise and overflow into active mine areas such as the Waste Rock Facility and TSF.

In June 2013 we observed the normal brown color in the seep area initially up until approximately July 26th and 27th when the colour had changed to "red". This is indicative of iron precipitate. The normal procedure is to have site water trucks pump out the seepage and deposit either in the TSF or use as dust suppressant in the mine pit only. Sample results from July 4th indicated that copper and nickel were elevated. This was an anomaly and our plan was to verify with the next sampling results (August 4th). There was no confirmed indication of actual seepage migrating through the perimeter road to Lake NP-2 until the red coloured seepage appeared around July 26th and 27th. At that point the red could be observed along the shoreline in NP-2. This was confined to the near shore and not in the main part of the lake. It was not observed at the exit of Lake NP-2. Removal of the seep water had previously commenced and was continuing at this point in time. There was and has been no fish mortalities observed to date.

As mentioned the AANDC inspector was on site July 29th and 30th, 2013 and split samples were taken. The seepage was evident in the Lake, along the near shore only (see photo 2), and we increased the removal of the seep water from the ST-16 sample location. Please see Figure 1 below for sample locations.



Figure 1 – Sampling Location during AANDC Inspection July 2013





By August 4th AEM had lowered the level in the seepage area to the point where it was felt that the seepage through the road had stopped. Pumping of the sump continued and is still ongoing. Also on August 4th a sample was taken in NP-2 at the East end of the Lake in an area that exhibited clear water – see Figure 1 location.

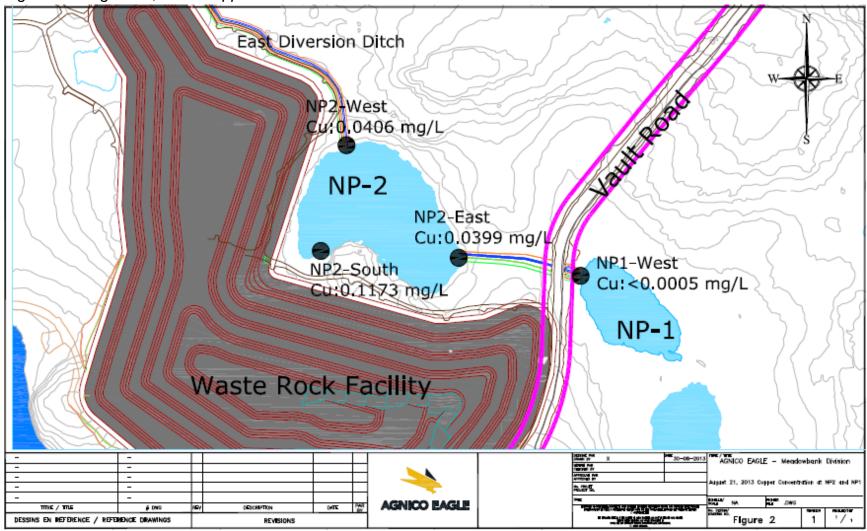
On August 16th results were received from the sampling conducted with AANDC (see Table 1 above for results) and the certificates are attached as Appendix 1. The copper, nickel, iron, manganese and sulphate were elevated. A preliminary investigation was launched by the Environment and Engineering Departments. Pumping of the seep water continued and all of this water was directed to the TSF. On August 19th the results from AEM's August 4th sample in NP-2 Lake at the East end were received and this too indicated elevated copper at a level of 0.1713 mg/l which exceeded the CCME criteria for Protection of Aquatic Life. All of this information was forwarded to the AANDC Inspector including all analysis results.

The investigation at this time was centered on seepage from the waste rock, specifically from the PAG material. Some waste rock at the site contains copper, iron and sulphides which could explain the elevated values observed in the sample results. This was not observed historically at this site. The main immediate action was to keep the waste rock seepage pumped down to prevent migration through the road into NP-2 Lake.

Further monitoring for copper only was undertaken in NP-2 Lake on August 21st, 2013. Results were received on August 24th and are indicated on Figure 2 below. The level had dropped significantly at NP-South, East and West and was not detected in NP-1 Lake. This was an indication that the seepage to the Lake had stopped due to pumping.



Figure 2 - August 21, 2013 Copper Concentration at NP-2 and NP-1





The investigation continued and a Plug/Dike design request to prevent any seepage from migrating through the road to NP-2 Lake was submitted to AEM's Engineering Department. A design was produced (see Figure 3 below). This was an additional measure taken to augment the pumping of the seep water. Construction of the Waste Rock Plug commenced on August 26th, 2013. Also, it was observed, after the pumping out of the water to a low level, that water was still seeping from the waste rock and this included two distinct areas in close proximity (approximately 15 m apart) to each other. One was "red" colored and the other "brown" - see photos 3 and 4 below.

Figure 3 – Plug Design North East Waste Rock Plug 24-Aug-13 Section View 1 1 1 Profile View



Photo 3 – Brown seepage



Photo 4 – Red seepage

A staff gauge has been placed at the seepage to determine the water level increases more definitively – see photo 5 below.



Photo 5 – Seepage Staff Gauge

On August 27th two Inspectors from AANDC and two Inspectors from Environment Canada attended the Meadowbank site and conducted sampling at the seep – ST-16 and at four locations around NP-2 Lake. AEM took duplicate samples during this visit. The construction project of the Waste Rock Plug had started and was being conducted during the visit. As previously stated AEM was of the opinion that the seepage through the road had stopped by August 21st.

Concurrent to the inspection, the preliminary investigation had determined that there was a hydraulic gradient that existed between the TSF reclaim water level and NP-2 Lake. The TSF water level was at elevation 145.7 m and NP-2 Lake was at elevation 141.2 m. Upon examining a topographical photo prior to mine development there was an indication that the former watercourse connecting the seep area to the North West Arm Second Portage Lake (now the TSF) could act as a conduit under the waste rock to the seep area – see photo 6 below. After conducting a comparison analysis of sample results in the TSF (sample station ST-21) several similarities became evident. Notably this included copper, nickel, chloride, sulphate, hardness – see comparison Table 2 below. AEM determined that is was possible that the TSF reclaim water could be migrating through the former water course to the seep area at a location along RF 1 rockfill road (TSF perimeter structure). This is the suspected migration route.



Table 2 – Comparison between ST-21 and ST-16

Parameters	Date	ST-21 Average		ST-21		Γ-16 Split		/07/2013 Split	
	Units	2013		4/07/2013	/07/2013 30/07/2013			AANDC Result	
*pH		8.95		8.28				7.20	
*Turbidity	NTU	20		9				123	
*Conductivity	us/cm							4510	
Alkalinity	mg CaCo3/L	116		127		272		162	
Aluminum	mg/L	0.409		0.409		0.042		0.045	
Dissolved Aluminium	mg/L	0.124		0.152	<	0.006			
Ammonia	mgN/L	25.70				1.20			
Ammonia-nitrogen	mgN/L	31.9		17.6		34.0			
Total Dissolved Solids	mg/L	3504		1988		3792			
Total Suspended Solids	mg/L							50	
Arsenic	mg/L	0.0208		0.0208		0.0139		0.0083	
Dissolved As	mg/L	0.0129		0.0137		0.0058			
Barium	mg/L	0.0598		0.0598		0.1414		0.1480	
Dissolved Barium	mg/L	0.0936		0.0465		0.1433			
Cadmium	mg/L	0.00043		0.00043		0.00065		0.00020	
Dissolved Cadmium	mg/L	0.00203		0.00035		0.0007			
Chloride	mg/L	1129		292		450		192	
Chromium	mg/L	0.0007		0.0007		0.0011		0.0010	
Copper	mg/L	0.6531		0.6531		2.0380		3.3500	
Dissolved Copper	mg/L	10.8004		0.3915		1.712			
Fluoride	mg/L	3.36		0.26		0.290			
Hardness	mg CaCO3/L	1454		662		1417		1020	
Iron	mg/L	0.56		0.56		4.4		21.9	
Dissolved Iron	mg/L	0.71	<	0.01		0.06			
Lead	mg/L	0.0045		0.0045		0.0013	<	0.0001	
Dissolved Lead	mg/L	0.0019	<	0.0003	<	0.0003			
Manganese	mg/L	0.5164		0.5164		6.370		5.850	
Dissolved Manganese	mg/L	0.0839		0.4254		6.055			
Mercury	mg/L	0.000005	<	0.00001		0.00005		0.00015	
Dissolved Mercury	mg/L	0.00015	<	0.0001	<	0.0001			
Molybdenum	mg/L	0.2041		0.2041		0.170		0.083	
Dissolved Molybdenum	mg/L	0.372		0.171		0.1773			
Nickel	mg/L	0.1204		0.1204		2.0150		1.3300	
Dissolved Nickel	mg/L	0.1638		0.0962		1.810			
Nitrate	mg/L	15.6		12.2		37.8		23.7	
Selenium	mg/L	0.012		0.012		0.020		0.013	
Dissolved Selenium	mg/L	0.021		0.010		0.023			
Silver	mg/L							0.0056	
Dissolved Silver	mg/L	0.0067	<	0.0002		0.0019			
Sulphate	mg/L	2268		1085		2400		1450	



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Thallium	mg/L	0.0025	<	0.0050	<	0.0050	<	0.0001
Dissolved Thallium	mg/L	0.01	<	0.01				
Zinc	mg/L	0.006		0.006		0.009	<	0.005
Dissolved Zinc	mg/L	0.0865		0.004		0.008		
Calcium	mg/L							312
Magnesium	mg/L							60
Potassium	mg/L							88
Sodium	mg/L							590
Cesium	mg/L							0.0009
Rubidium	mg/L							0.0687
Antimony	mg/L	0.0014		0.0014		0.0012		0.0007
Boron	mg/L					0.15		
Beryllium	mg/L	0.00025	<	0.0005	<	0.0005	<	0.0001
Cobalt	mg/L					0.3114		0.2290
Lithium	mg/L	0.0025	<	0.005		0.006		0.004
Tin	mg/L	0.0005	<	0.001	<	0.001		
Strontium	mg/L	0.798		0.798		2.14		1.40
Titanium	mg/L	0.2900		0.2900		0.5500		0.0007
Uranium	mg/L	0.009		0.009		0.170		0.115
Vanadium	mg/L	0.00025	<	0.0005	<	0.0005		0.0011
Nitrite	mg/L	0.25		0.31		0.41		



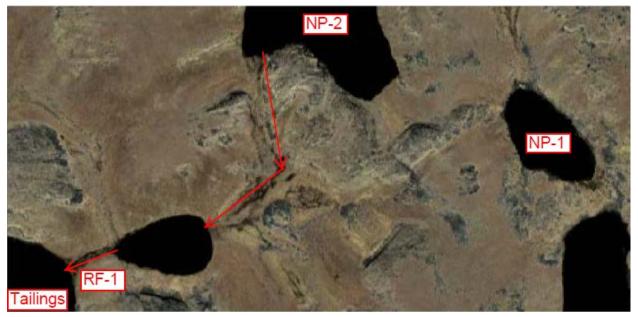


Photo 6 – Topography prior to mine development

Construction of the Waste Rock Plug was completed on September 1st. The seep areas are segregated and have been kept at low levels – see photo 7 below.



Photo 7 – Construction of Waste Rock Plug



3. Measures Taken/Action Plan

- Upon first noting the "red" seep water in NP-2 Lake (approximately July 26th) and after the initial AANDC inspection of July 30th AEM increased pumping of the seep water to prevent migration through the road. The seeps will be monitored daily and pumped out accordingly daily if necessary;
- After receiving the sample analysis results from July 30th sampling conducted with the AANDC Inspector indicating elevated copper, nickel, etc. an investigation was started to determine the source of these metals. There was no previous history of this. Initially AEM concentrated on the waste rock properties and possible seepage of PAG rock;
- By August 28th, after noting a hydraulic gradient between the TSF and NP-2 Lake, the fact that a former watercourse connected the two areas (RF-1 and ST-16) under the Waste Rock Facility and the results of a comparative analysis of sample results from the TSF (ST-21) and the ST-16 seep area it was determined that it was possible for TSF reclaim to migrate to the seep area;
- A short term monitoring program was implemented (See Figure 4). The short term monitoring program includes daily monitoring of CN WAD using our on site assay laboratory at the seep areas ST-16 and in NP-2 Lake South location. In addition we will sample ST-16, NP-2 South, East and West bi weekly for total and dissolved metals, general chemistry as well as total and free cyanide (Group 2 and 3 of our NWB Water License parameters). Phaser Lake will be sampled also as an external reference; background samples for most metals were taken in 2003;
- A Waste Rock Plug/Dike was designed and constructed (commencing August 26th), under the supervision of the AEM Engineering Department, along the perimeter road to prevent any further seepage to Lake NP-2. This was completed on September 1st. A complete construction report and as-built drawing will be prepared;
- A staff gauge was placed in the seeps to better determine the seepage inflow;
- An internal SOP was completed (see Appendix 2) to ensure that seeps are pumped in a timely manner at the commencement of freshet and kept at a low level;
- Tailing deposition will be concentrated along the rockfill road in the area where
 the former watercourse was located to a level higher than the current water level
 in the TSF. This will direct the water away from the suspected migration route
 toward the reclaim barge and act as a plug. This commenced on September 2nd;
 and

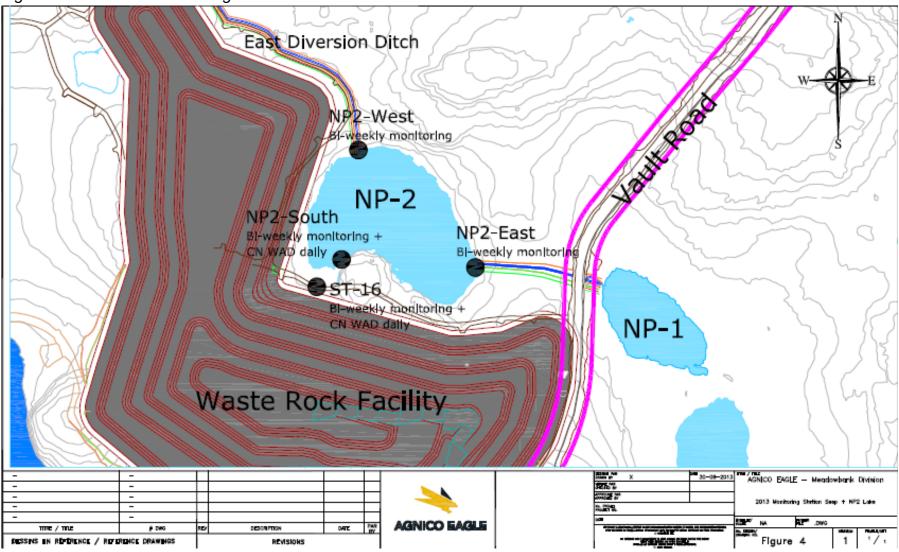
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• AEM has submitted (on September 2nd) a request for proposal from a third party engineering firm to assess why this seepage has occurred, verify the pathway under the waste rock storage area, if there any additional short term measures that can be implemented, further suggestions for management of freshet, whether an engineered collection and sump system is required for the seepage area, an evaluation of the seepage risk in the TSF and provision of recommendations for a permanent solution.



Figure 4 – Short term monitoring stations





4. Conclusion

AEM has completed a preliminary investigation into the discharge of seepage from the Waste Rock Storage Area in the location of sampling station ST-16 and determined that this material has likely seeped through the perimeter road into NP-2 Lake (fish bearing). Further to this, it appears likely that the seepage source is possibly reclaim water from the TSF migrating under the waste rock pile to ST-16 and subsequently through the perimeter road to NP-2 Lake. The seepage water at the ST-16 location has been kept to a low level and is checked daily.

Measures were implemented to stop the seepage to NP- 2 Lake and prevent it from reoccurring (Waste Rock Plug installation). Tailings deposition was changed on September 2nd to an area where the seepage is thought to be migrating. This action will also assist in pushing the water away from the rockfill perimeter structure and act as an additional "plug".

A third party engineering firm was requested, on September 2nd, to submit a proposal to provide further assessment and recommendations, including whether additional permanent structures are required to correct this problem.

AEM is of the opinion that appropriate corrective and preventive measures have been undertaken in the short term to isolate the seepage and protect the receiving environment. For the longer term AEM plans to assess the findings of the third party engineering firm and submit any additional actions that are necessary.



APPENDIX 1

Results from the sampling conducted with AANDC



Company: Agnico Eagle Division Meadowbank

Client: M. Stéphane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-28320

Sampling location: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sample name: SW-6(S-RSF) split (ST-6) Sampling hour: N/D

Sampled by: Jeff Pratt Date received: July 31, 2013

Matrix: Water

Drinking water distribution:

Reported on: August 16, 2013

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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multilab@cablevision.qc.ca

F-02-06



Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6)

Sampling hour: N/D

Sampling location: SVV-6(S-RSF) split (ST-6)		Sampling hour: N/D			
Parameter	Result	Method name	Analysis date		
Alkalinity	272 mg CaCO3/L	M-TIT-1.0	August 01, 2013		
Aluminium (AI)	0.042 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Aluminium (AI)	<0.006 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Antimony (Sb)	0.0012 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Silver (Ag)	0.0019 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Arsenic (As)	0.0139 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Arsenic (As)	0.0058 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Ammonia nitrogen (NH3-NH4)	34 mg N/L	Sous-traitance\Multilab Direct	August 02, 2013		
Barium (Ba)	0.1414 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Barium (Ba)	0.1433 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Beryllium (Be)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Boron (B)	0.15 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Cadmium (Cd)	0.00065 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Cadmium (Cd)	0.00065 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Chloride	450 mg/L	Sous-traitance\Multilab Direct	August 01, 2013		
Chrome (Cr)	0.0011 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Cobalt (Co)	0.3114 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Copper (Cu)	2.038 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Copper (Cu)	1.712 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Hardness	1417 mg CaCO3/L	Sous-traitance\Multilab Direct	August 05, 2013		
Tin (Sn)	<0.001 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Iron (Fe)	4.4 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Iron (Fe)	0.06 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Fluoride (F)	0.29 mg/L	Sous-traitance\Multilab Direct	August 08, 2013		
Lithium (Li)	0.006 mg/L	Sous-traitance\Multilab Direct	August 07, 2013		
Manganese (Mn)	6.370 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Manganese (Mn)	6.055 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Mercury (Hg)	0.00005 mg/L	Sous-traitance\Multilab Direct	August 02, 2013		
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 15, 2013		
Molybdenum (Mo)	0.1704 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Molybdenum (Mo)	0.1773 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Ammonia (NH3)	1.2 mg N/L	Sous-traitance\Multilab Direct	August 02, 2013		
Nickel (Ni)	2.015 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Nickel (Ni)	1.810 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Nitrate (NO3)	37.8 mg N/L	Sous-traitance\Multilab Direct	August 01, 2013		
Nitrite (NO2)	0.41 mg N/L	Sous-traitance\Multilab Direct	August 01, 2013		
Lead (Pb)	0.0013 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Selenium (Se)	0.02 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		
Dissolved Selenium (Se)	0.023 mg/L	Sous-traitance\Multilab Direct	August 05, 2013		

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6) Sampling hour: N/D

Parameter	Result	Method name	Analysis date
Dissolved Solids	3792 mg/L	M-TIT-1.0	August 01, 2013
Strontium (Sr)	2.14 mg/L	Sous-traitance\Multilab Direct	August 07, 2013
Sulfate (SO4)	2400 mg SO4/L	Sous-traitance\Multilab Direct	August 05, 2013
Thallium (TI)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 07, 2013
Dissolved thallium (TI)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 07, 2013
Titanium (Ti)	0.55 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Uranium (U)	0.17 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Zinc (Zn)	0.009 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Dissolved Zinc	0.008 mg/L	Sous-traitance\Multilab Direct	August 05, 2013



Detection limit

Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6) Sampling hour: N/D

Parameter Value Unit Method Accreditation Alkalinity 2 mg CaCO3/L M-TIT-1.0 Aluminium (AI) 0.006 mg/L Sous-traitance Dissolved Aluminium (AI) 0.006 mg/L Sous-traitance Antimony (Sb) 0.0001 mg/L Sous-traitance Yes Dissolved Silver (Ag) 0.0005 mg/L Sous-traitance Yes Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Yes Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Yes Ammonia nitrogen (NH3-NH4) 0.01 mg N/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Beryllium (Be) 0.0005 mg/L Sous-traitance Yes Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.0002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.0006 mg/L Sous-traitance Yes Chhrome (Cr) 0.0006 mg/L	Sampling location: SW		Sampling hour: N/D	
Aluminium (AI) 0.006 mg/L Sous-traitance Dissolved Aluminium (AI) 0.006 mg/L Sous-traitance Antimony (Sb) 0.0001 mg/L Sous-traitance Arsenic (As) 0.0005 mg/L Sous-traitance Arsenic (As) 0.0005 mg/L Sous-traitance Sissolved Arsenic (As) 0.0005 mg/L Sous-traitance Ammonia nitrogen (NH3-NH4) 0.01 mg N/L Sous-traitance Barium (Ba) 0.0005 mg/L Sous-traitance Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Beryllium (Be) 0.0005 mg/L Sous-traitance Boron (B) 0.01 mg/L Sous-traitance Cadmium (Cd) 0.00002 mg/L Sous-traitance Ves Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes	Parameter	Value Unit	Method	Accreditation
Dissolved Aluminium (AI) 0.006 mg/L Sous-traitance Yes Dissolved Silver (Ag) 0.0001 mg/L Sous-traitance Yes Dissolved Silver (Ag) 0.0005 mg/L Sous-traitance Yes Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Yes Arsenic (As) 0.0005 mg/L Sous-traitance Yes Barium (Ba) 0.001 mg N/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Cadmium (Cd) 0.0005 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Chrome (Cr) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes	Alkalinity	2 mg CaCO3/L	M-TIT-1.0	
Antimony (Sb) 0.0001 mg/L Sous-traitance Yes Dissolved Silver (Ag) 0.0002 mg/L Sous-traitance Yes Arsenic (As) 0.0005 mg/L Sous-traitance Yes Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Yes Ammonia nitrogen (NH3-NH4) 0.01 mg N/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Beryllium (Be) 0.0005 mg/L Sous-traitance Yes Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chloride 0.0006 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Chloride	Aluminium (AI)	0.006 mg/L	Sous-traitance	
Dissolved Silver (Ag) 0.0002 mg/L Sous-traitance Yes Arsenic (As) 0.0005 mg/L Sous-traitance Yes Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Beryllium (Be) 0.0005 mg/L Sous-traitance Yes Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.0002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.0002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Choper (Cu) 0.0005 mg/L Sous-traitance Yes Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Irin (Sn) 0.01 mg/L Sous-traitance Yes Iron (Fe) 0.	Dissolved Aluminium (AI)	0.006 mg/L	Sous-traitance	
Arsenic (As) 0.0005 mg/L Sous-traitance Yes Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Amonia nitrogen (NH3-NH4) 0.01 mg N/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Beryllium (Be) 0.0005 mg/L Sous-traitance Yes Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Unserved (Cr) 0.0005 mg/L Sous-traitance Yes Unserved (Cr) 0.0005 mg/L Sous-traitance Yes Dissolved (Cr) 0.01 mg/L <	Antimony (Sb)	0.0001 mg/L	Sous-traitance	Yes
Dissolved Arsenic (As) 0.0005 mg/L Sous-traitance Yes Ammonia nitrogen (NH3-NH4) 0.01 mg N/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Beryllium (Be) 0.0002 mg/L Sous-traitance Yes Boron (B) 0.00002 mg/L Sous-traitance Yes Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.0002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0005 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Toper (Cu) 0.0005 mg/L Sous-traitance Yes Irin (Sn) 0.001 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithi	Dissolved Silver (Ag)	0.0002 mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4) 0.01 mg N/L Sous-traitance Yes Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Yes Beryllium (Be) 0.0000 mg/L Sous-traitance Yes Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.0002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Hardness 1 mg CaCO3/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li)	Arsenic (As)	0.0005 mg/L	Sous-traitance	Yes
Barium (Ba) 0.0005 mg/L Sous-traitance Yes Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Beryllium (Be) 0.0005 mg/L Sous-traitance Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.0002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance	Dissolved Arsenic (As)	0.0005 mg/L	Sous-traitance	
Dissolved Barium (Ba) 0.0005 mg/L Sous-traitance Beryllium (Be) 0.0005 mg/L Sous-traitance Boron (B) 0.01 mg/L Sous-traitance Cadmium (Cd) 0.00002 mg/L Sous-traitance Chloride 0.5 mg/L Sous-traitance Chloride 0.5 mg/L Sous-traitance Chrome (Cr) 0.0006 mg/L Sous-traitance Cobalt (Co) 0.0005 mg/L Sous-traitance Copper (Cu) 0.0005 mg/L Sous-traitance Ves Dissolved Copper (Cu) 0.0005 mg/L Hardness 1 mg CaCO3/L Sous-traitance Tin (Sn) 0.001 mg/L Sous-traitance Ves Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Pluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0	Ammonia nitrogen (NH3-NH4)	0.01 mg N/L	Sous-traitance	Yes
Beryllium (Be)	Barium (Ba)	0.0005 mg/L	Sous-traitance	Yes
Boron (B) 0.01 mg/L Sous-traitance Yes Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.005 mg/L Sous-traitance Yes Irin (Sn) 0.001 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Marcury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) </td <td>Dissolved Barium (Ba)</td> <td>0.0005 mg/L</td> <td>Sous-traitance</td> <td></td>	Dissolved Barium (Ba)	0.0005 mg/L	Sous-traitance	
Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Hardness 1 mg CaCO3/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Marcury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved M	Beryllium (Be)	0.0005 mg/L	Sous-traitance	_
Dissolved Cadmium (Cd) 0.00002 mg/L Sous-traitance Yes Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Hardness 1 mg CaCO3/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0000 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (M	Boron (B)	0.01 mg/L	Sous-traitance	Yes
Chloride 0.5 mg/L Sous-traitance Yes Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Hardness 1 mg CaCO3/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes D	Cadmium (Cd)	0.00002 mg/L	Sous-traitance	Yes
Chrome (Cr) 0.0006 mg/L Sous-traitance Yes Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Yes Hardness 1 mg CaCO3/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes	Dissolved Cadmium (Cd)	0.00002 mg/L	Sous-traitance	
Cobalt (Co) 0.0005 mg/L Sous-traitance Yes Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Hardness 1 mg CaCO3/L Sous-traitance Tin (Sn) 0.001 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Pluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.005 mg/L Sous-traitance Yes Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Dissolved Nickel (Ni) 0.0005 mg/L <	Chloride	0.5 mg/L	Sous-traitance	Yes
Copper (Cu) 0.0005 mg/L Sous-traitance Yes Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Hardness 1 mg CaCO3/L Sous-traitance Tin (Sn) 0.001 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Fluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.005 mg/L Sous-traitance Yes Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Nitrate (NO3) 0.01 mg N/L <td>Chrome (Cr)</td> <td>0.0006 mg/L</td> <td>Sous-traitance</td> <td>Yes</td>	Chrome (Cr)	0.0006 mg/L	Sous-traitance	Yes
Dissolved Copper (Cu) 0.0005 mg/L Sous-traitance Hardness 1 mg CaCO3/L Sous-traitance Tin (Sn) 0.001 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Eluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.0005 mg/L Sous-traitance Yes Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.005 mg/L Sous-traitance Yes Nickel (Ni) 0.005 mg/L Sous-traitance Yes Dissolved Nickel (Ni) 0.005 mg/L Sous-traitance Yes Nitrate (NO2) 0.01 mg N/L <td>Cobalt (Co)</td> <td>0.0005 mg/L</td> <td>Sous-traitance</td> <td></td>	Cobalt (Co)	0.0005 mg/L	Sous-traitance	
Hardness 1 mg CaCO3/L Sous-traitance Tin (Sn) 0.001 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Lithium (Li) 0.002 mg/L Sous-traitance Yes Lithium (Li) 0.0005 mg/L Sous-traitance Yes Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Dissolved Nickel (Nii) 0.0005 mg/L Sous-traitance Yes Nitrate (NO2) 0.01 mg N/L Sous-traitance Yes Nitrite (NO2) 0.01 mg N/L Sous-traitance Yes Dissolved Lead (Pb)	Copper (Cu)	0.0005 mg/L	Sous-traitance	Yes
Tin (Sn) 0.001 mg/L Sous-traitance Yes Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Fluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Dissolved Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Nitrate (NO2) 0.01 mg N/L Sous-traitance Yes Nitrite (NO2) 0.0003 mg/L Sous-traitance Yes Dissolved Lead (Dissolved Copper (Cu)	0.0005 mg/L	Sous-traitance	
Iron (Fe) 0.01 mg/L Sous-traitance Yes Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Yes Fluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Yes Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Yes Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Yes Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Yes Nickel (Ni) 0.005 mg/L Sous-traitance Yes Dissolved Nickel (Nii) 0.0005 mg/L Sous-traitance Yes Nitrate (NO3) 0.01 mg N/L Sous-traitance Yes Nitrite (NO2) 0.01 mg N/L Sous-traitance Yes Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance Yes	Hardness	1 mg CaCO3/L	Sous-traitance	
Dissolved Iron (Fe) 0.01 mg/L Sous-traitance Fluoride (F) 0.02 mg/L Sous-traitance Lithium (Li) 0.005 mg/L Sous-traitance Manganese (Mn) 0.0005 mg/L Sous-traitance Mercury (Hg) 0.0001 mg/L Sous-traitance Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Ammonia (NH3) 0.05 mg N/L Sous-traitance Nickel (Ni) 0.0005 mg/L Sous-traitance Nickel (Ni) 0.0005 mg/L Sous-traitance Nitrate (NO3) 0.01 mg N/L Sous-traitance Nitrite (NO2) 0.01 mg N/L Sous-traitance Nitrite (NO2) 0.01 mg N/L Sous-traitance Nitrite (NO2) 0.0003 mg/L Sous-traitance Nissolved Lead (Pb) 0.0003 mg/L Sous-traitance Yes Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance Yes Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance	Tin (Sn)	0.001 mg/L	Sous-traitance	Yes
Fluoride (F) 0.02 mg/L Sous-traitance Yes Lithium (Li) 0.005 mg/L Sous-traitance Manganese (Mn) 0.0005 mg/L Sous-traitance Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Mercury (Hg) 0.00001 mg/L Sous-traitance Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Mickel (Ni) 0.005 mg/L Sous-traitance Nickel (Ni) 0.0005 mg/L Sous-traitance Nickel (Ni) 0.0005 mg/L Sous-traitance Nitrate (NO3) 0.01 mg N/L Sous-traitance Nitrite (NO2) 0.01 mg N/L Sous-traitance Lead (Pb) 0.0003 mg/L Sous-traitance Nissolved Lead (Pb) 0.0003 mg/L Sous-traitance Nickel (Pi) 0.0003 mg/L Sous-traitance Nickel (No2) 0.0003 mg/L Sous-traitance Nickel (No3) 0.0003 mg/L Sous-traitance	Iron (Fe)	0.01 mg/L	Sous-traitance	Yes
Lithium (Li)0.005 mg/LSous-traitanceManganese (Mn)0.0005 mg/LSous-traitanceYesDissolved Manganese (Mn)0.0005 mg/LSous-traitanceMercury (Hg)0.00001 mg/LSous-traitanceYesDissolved Mercury (Hg)0.0001 mg/LSous-traitanceMolybdenum (Mo)0.0005 mg/LSous-traitanceYesDissolved Molybdenum (Mo)0.0005 mg/LSous-traitanceAmmonia (NH3)0.05 mg N/LSous-traitanceNickel (Ni)0.0005 mg/LSous-traitanceYesDissolved Nickel (Ni)0.0005 mg/LSous-traitanceYesNitrate (NO3)0.01 mg N/LSous-traitanceYesNitrite (NO2)0.01 mg N/LSous-traitanceYesLead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitanceYes	Dissolved Iron (Fe)	0.01 mg/L	Sous-traitance	
Manganese (Mn)0.0005 mg/LSous-traitanceYesDissolved Manganese (Mn)0.0005 mg/LSous-traitanceMercury (Hg)0.00001 mg/LSous-traitanceYesDissolved Mercury (Hg)0.0001 mg/LSous-traitanceMolybdenum (Mo)0.0005 mg/LSous-traitanceYesDissolved Molybdenum (Mo)0.0005 mg/LSous-traitanceAmmonia (NH3)0.05 mg N/LSous-traitanceNickel (Ni)0.0005 mg/LSous-traitanceDissolved Nickel (Ni)0.0005 mg/LSous-traitanceNitrate (NO3)0.01 mg N/LSous-traitanceNitrite (NO2)0.01 mg N/LSous-traitanceLead (Pb)0.0003 mg/LSous-traitanceDissolved Lead (Pb)0.0003 mg/LSous-traitanceDissolved Lead (Pb)0.0003 mg/LSous-traitance	Fluoride (F)	0.02 mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn) 0.0005 mg/L Sous-traitance Mercury (Hg) 0.00001 mg/L Sous-traitance Dissolved Mercury (Hg) 0.0001 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Molybdenum (Mo) 0.0005 mg/L Sous-traitance Dissolved Molybdenum (Mo) 0.0005 mg/L Sous-traitance Ammonia (NH3) 0.05 mg N/L Sous-traitance Nickel (Ni) 0.0005 mg/L Sous-traitance Dissolved Nickel (Ni) 0.0005 mg/L Sous-traitance Nitrate (NO3) 0.01 mg N/L Sous-traitance Nitrite (NO2) 0.01 mg N/L Sous-traitance Lead (Pb) 0.0003 mg/L Sous-traitance Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance Sous-traitance Yes Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance	Lithium (Li)	0.005 mg/L	Sous-traitance	
Mercury (Hg)0.00001 mg/LSous-traitanceYesDissolved Mercury (Hg)0.0001 mg/LSous-traitanceMolybdenum (Mo)0.0005 mg/LSous-traitanceDissolved Molybdenum (Mo)0.0005 mg/LSous-traitanceAmmonia (NH3)0.05 mg N/LSous-traitanceNickel (Ni)0.0005 mg/LSous-traitanceDissolved Nickel (Ni)0.0005 mg/LSous-traitanceNitrate (NO3)0.01 mg N/LSous-traitanceNitrite (NO2)0.01 mg N/LSous-traitanceLead (Pb)0.0003 mg/LSous-traitanceDissolved Lead (Pb)0.0003 mg/LSous-traitance	Manganese (Mn)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg) Molybdenum (Mo) Dissolved Molybdenum (Mo) Dissolved Molybdenum (Mo) O.0005 mg/L Sous-traitance Sous-traitance Sous-traitance Sous-traitance Ammonia (NH3) O.05 mg N/L Sous-traitance Nickel (Ni) O.0005 mg/L Sous-traitance Yes Dissolved Nickel (Ni) O.0005 mg/L Sous-traitance Yes Dissolved Nickel (Ni) Nitrate (NO3) O.01 mg N/L Sous-traitance Yes Nitrite (NO2) Nitrite (NO2) O.01 mg N/L Sous-traitance Yes Dissolved Lead (Pb) O.0003 mg/L Sous-traitance Yes Dissolved Lead (Pb) Sous-traitance Yes Sous-traitance Yes Dissolved Lead (Pb) Sous-traitance	Dissolved Manganese (Mn)	0.0005 mg/L	Sous-traitance	
Molybdenum (Mo)0.0005 mg/LSous-traitanceYesDissolved Molybdenum (Mo)0.0005 mg/LSous-traitanceAmmonia (NH3)0.05 mg N/LSous-traitanceNickel (Ni)0.0005 mg/LSous-traitanceDissolved Nickel (Ni)0.0005 mg/LSous-traitanceNitrate (NO3)0.01 mg N/LSous-traitanceNitrite (NO2)0.01 mg N/LSous-traitanceLead (Pb)0.0003 mg/LSous-traitanceDissolved Lead (Pb)0.0003 mg/LSous-traitance	Mercury (Hg)	0.00001 mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo) Ammonia (NH3) 0.05 mg N/L Sous-traitance Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Dissolved Nickel (Ni) 0.0005 mg/L Sous-traitance Yes Nitrate (NO3) 0.01 mg N/L Sous-traitance Yes Nitrite (NO2) 0.01 mg N/L Sous-traitance Yes Ves Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance Yes Sous-traitance Yes Sous-traitance Yes Sous-traitance Yes Dissolved Lead (Pb) Sous-traitance Yes Sous-traitance	Dissolved Mercury (Hg)	0.0001 mg/L	Sous-traitance	
Ammonia (NH3)0.05 mg N/LSous-traitanceNickel (Ni)0.0005 mg/LSous-traitanceYesDissolved Nickel (Ni)0.0005 mg/LSous-traitanceNitrate (NO3)0.01 mg N/LSous-traitanceYesNitrite (NO2)0.01 mg N/LSous-traitanceYesLead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitance	Molybdenum (Mo)	0.0005 mg/L	Sous-traitance	Yes
Nickel (Ni)0.0005 mg/LSous-traitanceYesDissolved Nickel (Ni)0.0005 mg/LSous-traitanceNitrate (NO3)0.01 mg N/LSous-traitanceYesNitrite (NO2)0.01 mg N/LSous-traitanceYesLead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitance	Dissolved Molybdenum (Mo)	0.0005 mg/L	Sous-traitance	
Dissolved Nickel (Ni)0.0005 mg/LSous-traitanceNitrate (NO3)0.01 mg N/LSous-traitanceYesNitrite (NO2)0.01 mg N/LSous-traitanceYesLead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitance	Ammonia (NH3)	0.05 mg N/L	Sous-traitance	
Nitrate (NO3)0.01 mg N/LSous-traitanceYesNitrite (NO2)0.01 mg N/LSous-traitanceYesLead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitance	Nickel (Ni)	0.0005 mg/L	Sous-traitance	Yes
Nitrite (NO2) 0.01 mg N/L Sous-traitance Yes Lead (Pb) 0.0003 mg/L Sous-traitance Yes O.0003 mg/L Sous-traitance	Dissolved Nickel (Ni)	0.0005 mg/L	Sous-traitance	
Lead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitance	Nitrate (NO3)	0.01 mg N/L	Sous-traitance	Yes
Lead (Pb)0.0003 mg/LSous-traitanceYesDissolved Lead (Pb)0.0003 mg/LSous-traitance	Nitrite (NO2)		Sous-traitance	Yes
Dissolved Lead (Pb) 0.0003 mg/L Sous-traitance	* *	_	Sous-traitance	Yes
· /	• ,	-		
\cdot	· · ·	S	Sous-traitance	Yes
Dissolved Selenium (Se) 0.001 mg/L Sous-traitance	` ,	<u> </u>	Sous-traitance	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6)

Sampling hour: N/D

Parameter	Value Unit	Method	Accreditation
Dissolved Solids	1 mg/L	M-TIT-1.0	
Strontium (Sr)	0.005 mg/L	Sous-traitance	
Sulfate (SO4)	1 mg SO4/L	Sous-traitance	Yes
Thallium (TI)	0.005 mg/L	Sous-traitance	
Dissolved thallium (TI)	0.005 mg/L	Sous-traitance	
Titanium (Ti)	0.01 mg/L	Sous-traitance	
Uranium (U)	0.001 mg/L	Sous-traitance	
Vanadium (V)	0.0005 mg/L	Sous-traitance	Yes
Zinc (Zn)	0.001 mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L	Sous-traitance	



Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6)

Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6)

Sampling hour: N/D

Parameter

Alkalinity mg CaCO3/L Standard name STD alcalinité

Result 158 Accuracy 91% Limit 123 - 167

Aluminium (Al) mg/L Blank <0.006

Standard name DMR-0311-2013-23m

Result 5.77 Accuracy 93.2%

Limit 5.26 - 7.12

Dissolved Aluminium (Al) mg/L Blank < 0.006

Standard name DMR-0311-2013-23

Result 6.22 Accuracy 99.5% Limit 5.26 - 7.12

Antimony (Sb) mg/L Blank <0.0001

Standard name DMR-0311-2013-23m

Result 0.1885 Accuracy 85.3%

Limit 0.188 - 0.254

Dissolved Silver (Ag) mg/L

Blank < 0.0002

Arsenic (As) mg/L

Blank < 0.0005

Standard name DMR-0311-2013-23m

Result 0.3401 Accuracy 79.8% Limit 0.198 - 0.368

Dissolved Arsenic (As) mg/L Blank < 0.0005

Standard name DMR-0311-2013-23

Result 0.3176 Accuracy 95.5% Limit 0.236 - 0.372

Ammonia nitrogen (NH3-NH4) m Blank < 0.01

Standard name DMR-0446-2013-NH3

Result 5.3 Accuracy 98.5% Limit 4.44 - 6.00

Barium (Ba) mg/L Blank <0.0005

Standard name DMR-0311-2013-23m

Result 2.146 Accuracy 89.4% Limit 2.0 - 2.8

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6) Sampling hour: N/D

Parameter Dissolved Barium (Ba) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23 Result 2.254 Accuracy 93.9% Limit 2.04 - 2.76 Beryllium (Be) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 1.591 Accuracy 93.6% Limit 1.4 - 2.0 Boron (B) mg/L Blank < 0.01 Standard name DMR-0311-2013-23m Result 2.5 Accuracy 86.8% Limit 2.45 - 3.31 Cadmium (Cd) mg/L Blank < 0.00002 Standard name DMR-0311-2013-23m Result 0.91111 Accuracy 98.8% Limit 0.8 - 1.0 Dissolved Cadmium (Cd) mg/L Blank < 0.00002 Standard name DMR-0311-2013-23 Result 0.87322 Accuracy 97% Limit 0.8 - 1.0 Chloride mg/L Blank < 0.5 Standard name DMR-0446-2013-CL Result 100 Accuracy 99% Limit 87 - 111 Chrome (Cr) mg/L Blank < 0.0006 Standard name DMR-0311-2013-23m Result 4.064 Accuracy 99.7% Limit 3.44 - 4.66 Cobalt (Co) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 1.643 Accuracy 94.7% Limit 1.33 - 1.79

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Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6)

Sampling hour: N/D

Parameter Copper (Cu) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 1.404 Accuracy 86.8% Limit 1.05 - 1.43 Dissolved Copper (Cu) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23 Result 1.301 Accuracy 95.1% Limit 1.05 - 1.43 Tin (Sn) mg/L Blank < 0.001 Iron (Fe) mg/L Blank < 0.01 Standard name DMR-0311-2013-23m Result 11.6 Accuracy 89.5% Limit 8.9 - 12.1 Blank < 0.01 Dissolved Iron (Fe) mg/L Standard name DMR-0311-2013-23 Result 10.4 Accuracy 99% Limit 8.9 - 12.1 Fluoride (F) mg/L Blank < 0.02 Standard name DMR-0446-2013-12-F Result 2.9 Accuracy 94.8% Limit 2.83 - 3.29 Lithium (Li) mg/L Blank < 0.005 Standard name DMR-0773-2011-18a Result 0.863 Accuracy 97.3% Limit 0.714 - 0.966 Manganese (Mn) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 3.956 Accuracy 97.5% Limit 3.28 - 4.44 Dissolved Manganese (Mn) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23 Result 3.675 Accuracy 95.2%

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6) Sampling hour: N/D

Parameter

Limit 3.28 - 4.44

Mercury (Hg) mg/L

Blank < 0.00001

Standard name DMR-0311-2013-14-Hg

Result 0.00418 Accuracy 95.5%

Limit 0.003 - 0.005

Dissolved Mercury (Hg) mg/L

Blank < 0.0001

Standard name DMR-0311-2013-14-Hg

Result 0.0032 Accuracy 80%

Limit 0.003 - 0.005

Molybdenum (Mo) mg/L

Blank < 0.0005

Standard name DMR-0311-2013-23m

Result 0.6781

Accuracy 96.2%

Limit 0.599 - 0.811

Dissolved Molybdenum (Mo) mg

Blank < 0.0005

Standard name DMR-0311-2013-23

Result 0.6419

Accuracy 91%

Limit 0.599 - 0.811

Ammonia (NH3) mg N/L

Blank < 0.05

Standard name DMR-0446-2013-NH3

Result 5.3

Accuracy 98.5%

Limit 4.44 - 6.00

Nickel (Ni) mg/L Blank < 0.0005

Standard name DMR-0311-2013-23m

Result 1.232

Accuracy 91%

Limit 0.96 - 1.30

Dissolved Nickel (Ni) mg/L Blank < 0.0005

Standard name DMR-0311-2013-23

Result 1.147

Accuracy 92.5%

Limit 1.05 - 1.43

Nitrate (NO3) mg N/L

Blank < 0.01

Sample duplicate 37.8-35.3

Nitrite (NO2) mg N/L

Blank < 0.01

Standard name DMR-0446-2013-NO2

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Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6)

Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6) Sampling hour: N/D

Parameter

Result 2.5

Accuracy 99.2%

Limit 2.14 - 2.90

Sample duplicate 0.41-0.40

Lead (Pb) mg/L

Blank < 0.0003

Standard name DMR-0311-2013-23m

Result 0.9249

Accuracy 97.2%

Limit 0.8 - 1.0

Dissolved Lead (Pb) mg/L

Blank < 0.0003

Standard name DMR-0311-2013-23

Result 0.9053

Accuracy 99.4%

Limit 0.8 - 1.0

Selenium (Se) mg/L

Blank < 0.001

Standard name DMR-0311-2013-23m

Result 1.46

Accuracy 91.9%

Limit 1.15 - 1.55

Dissolved Selenium (Se) mg/L

Blank < 0.001

Standard name DMR-0311-2013-23

Result 1.39

Accuracy 97%

Limit 1.15 - 1.55

Strontium (Sr) mg/L

Blank < 0.005

Standard name DMR-0773-2011-18a

Result 1.25

Accuracy 99.2%

Limit 1.05 - 1.43

Sulfate (SO4) mg SO4/L

Blank < 0.6

Standard name DMR-0446-2013-SO4

Result 117

Accuracy 93.6%

Limit 99 - 121

Thallium (TI) mg/L

Blank < 0.005

Standard name STD TI SC0187114 1000ppm

Result 1001

Accuracy 99.9%

Limit 850 - 1150

Dissolved thallium (TI) mg/L

Blank < 0.005

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Version 3^{ième}: 26/10/2005

Page 10 of 12



Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6)

Sampling hour: N/D

	ion: 500-6(5-R5F) s	JIII (31-0)	Sampling nour: N/D
Parameter	`		
	Standard name	STD TI SC0187114 1000ppm	
	Result	1001	
	Accuracy	99.9%	
	Limit	850 - 1150	
Titanium (Ti) mg/L	Blank	<0.01	
Uranium (U) mg/L	Blank	<0.001	
	Standard name	DMR-0311-2013-23m	
	Result	2.01	
	Accuracy	85.1%	
	Limit	1.49 - 2.01	
Vanadium (V) mg/L	Blank	<0.0005	
	Standard name	DMR-0311-2013-23m	
	Result	1.950	
	Accuracy	98%	
	Limit	1.69 - 2.29	
Zinc (Zn) mg/L	Blank	<0.001	
	Standard name	DMR-0311-2013-23m	
	Result	5.07	
	Accuracy	87.6%	
	Limit	3.83 - 5.19	
Dissolved Zinc mg/L	Blank	<0.001	
	Standard name	DMR-0311-2013-23	
	Result	4.78	
	Accuracy	94%	
	Limit	3.83 - 5.19	



Additional information

Lab number: V-28320

Sample name: SW-6(S-RSF) split (ST-6) Sampling date: July 30, 2013

Sampling location: SW-6(S-RSF) split (ST-6)

Sampling hour: N/D

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-lons 1.3
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-Lix-1.0	MA.100-Lix.com. 1.1
M-SULF-2.0	MA.300-lons 1.3
I	

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Company: Agnico Eagle Division Meadowbank

Client: M. Stéphane Robert Address: General Delivery

Baker Lake Nunavut X0C 0A0

Phone: (604) 677-0689 (--) Fax: (604) 677-0687

Lab number: V-28321

Sampling location: NP2 split Sampling date: July 30, 2013

Sample name: NP2 split Sampling hour: 15:00

Sampled by: Jeff Pratt Date received: July 31, 2013

Matrix: Waste Water

Drinking water distribution:

Reported on: August 16, 2013

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

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multilab@cablevision.qc.ca

Courriel:

F-02-06



Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split
Sampling hour: 15:00

Method name Analysis date
·
CaCO3/L M-TIT-1.0 August 01, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
N/L Sous-traitance\Multilab Direct August 02, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 01, 2013
L Sous-traitance\Multilab Direct August 05, 2013
CaCO3/L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 07, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 02, 2013
L Sous-traitance\Multilab Direct August 15, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
N/L Sous-traitance\Multilab Direct August 02, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
N/L Sous-traitance\Multilab Direct August 01, 2013
N/L Sous-traitance\Multilab Direct August 01, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013
L Sous-traitance\Multilab Direct August 05, 2013

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Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split
Sampling hour: 15:00

Parameter	Result	Method name	Analysis date
Dissolved Solids	2854 mg/L	M-TIT-1.0	August 01, 2013
Strontium (Sr)	1.62 mg/L	Sous-traitance\Multilab Direct	August 07, 2013
Sulfate (SO4)	1546 mg SO4/L	Sous-traitance\Multilab Direct	August 05, 2013
Thallium (TI)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 07, 2013
Dissolved thallium (TI)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 07, 2013
Titanium (Ti)	0.39 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Uranium (U)	0.144 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Vanadium (V)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Zinc (Zn)	0.006 mg/L	Sous-traitance\Multilab Direct	August 05, 2013
Dissolved Zinc	0.007 mg/L	Sous-traitance\Multilab Direct	August 05, 2013



Detection limit

Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split
Sampling hour: 15:00

Sampling location: NP2 split		Sampling hour: 15:00	
Parameter	Value Unit	Method	Accreditation
Alkalinity	2 mg CaCO3/L	M-TIT-1.0	
Aluminium (AI)	0.006 mg/L	Sous-traitance	
Dissolved Aluminium (Al)	0.006 mg/L	Sous-traitance	
Antimony (Sb)	0.0001 mg/L	Sous-traitance	Yes
Dissolved Silver (Ag)	0.0002 mg/L	Sous-traitance	
Arsenic (As)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Arsenic (As)	0.0005 mg/L	Sous-traitance	
Ammonia nitrogen (NH3-NH4)	0.01 mg N/L	Sous-traitance	Yes
Barium (Ba)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Barium (Ba)	0.0005 mg/L	Sous-traitance	
Beryllium (Be)	0.0005 mg/L	Sous-traitance	
Boron (B)	0.01 mg/L	Sous-traitance	Yes
Cadmium (Cd)	0.00002 mg/L	Sous-traitance	Yes
Dissolved Cadmium (Cd)	0.00002 mg/L	Sous-traitance	
Chloride	0.5 mg/L	Sous-traitance	Yes
Chrome (Cr)	0.0006 mg/L	Sous-traitance	Yes
Cobalt (Co)	0.0005 mg/L	Sous-traitance	
Copper (Cu)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Copper (Cu)	0.0005 mg/L	Sous-traitance	
Hardness	1 mg CaCO3/L	Sous-traitance	
Tin (Sn)	0.001 mg/L	Sous-traitance	Yes
Iron (Fe)	0.01 mg/L	Sous-traitance	Yes
Dissolved Iron (Fe)	0.01 mg/L	Sous-traitance	
Fluoride (F)	0.02 mg/L	Sous-traitance	Yes
Lithium (Li)	0.005 mg/L	Sous-traitance	
Manganese (Mn)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Manganese (Mn)	0.0005 mg/L	Sous-traitance	
Mercury (Hg)	0.00001 mg/L	Sous-traitance	Yes
Dissolved Mercury (Hg)	0.0001 mg/L	Sous-traitance	
Molybdenum (Mo)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Molybdenum (Mo)	0.0005 mg/L	Sous-traitance	
Ammonia (NH3)	0.05 mg N/L	Sous-traitance	
Nickel (Ni)	0.0005 mg/L	Sous-traitance	Yes
Dissolved Nickel (Ni)	0.0005 mg/L	Sous-traitance	
Nitrate (NO3)	0.01 mg N/L	Sous-traitance	Yes
Nitrite (NO2)	0.01 mg N/L	Sous-traitance	Yes
Lead (Pb)	0.0003 mg/L	Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003 mg/L	Sous-traitance	
Selenium (Se)	0.001 mg/L	Sous-traitance	Yes
Dissolved Selenium (Se)	0.001 mg/L	Sous-traitance	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Sampling date: July 30, 2013

Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split

Sampling location: NP2 split		Sampling hour: 15:00	
Parameter	Value Unit	Method	Accreditation
Dissolved Solids	1 mg/L	M-TIT-1.0	
Strontium (Sr)	0.005 mg/L	Sous-traitance	
Sulfate (SO4)	1 mg SO4/L	Sous-traitance	Yes
Thallium (TI)	0.005 mg/L	Sous-traitance	
Dissolved thallium (TI)	0.005 mg/L	Sous-traitance	
Titanium (Ti)	0.01 mg/L	Sous-traitance	
Uranium (U)	0.001 mg/L	Sous-traitance	
Vanadium (V)	0.0005 mg/L	Sous-traitance	Yes
Zinc (Zn)	0.001 mg/L	Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L	Sous-traitance	

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Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split

Parameter

Alkalinity mg CaCO3/L Standard name STD alcalinité

Result 158 Accuracy 91%

Limit 123 - 167

Aluminium (Al) mg/L Blank <0.006

Standard name DMR-0311-2013-23m

Result 5.77 Accuracy 93.2%

Limit 5.26 - 7.12

Dissolved Aluminium (Al) mg/L Blank <0.006

Standard name DMR-0311-2013-23

Result 6.22 Accuracy 99.5% Limit 5.26 - 7.12

Antimony (Sb) mg/L Blank <0.0001

Standard name DMR-0311-2013-23m

Result 0.1885 Accuracy 85.3%

Limit 0.188 - 0.254

Dissolved Silver (Ag) mg/L

Blank < 0.0002

Arsenic (As) mg/L

Blank < 0.0005

Standard name DMR-0311-2013-23m

Result 0.3401 Accuracy 79.8% Limit 0.198 - 0.368

Dissolved Arsenic (As) mg/L Blank < 0.0005

Standard name DMR-0311-2013-23

Result 0.3176 Accuracy 95.5% Limit 0.236 - 0.372

Ammonia nitrogen (NH3-NH4) m Blank <0.01

Standard name DMR-0446-2013-NH3

Result 5.3 Accuracy 98.5% Limit 4.44 - 6.00

Barium (Ba) mg/L Blank <0.0005

Standard name DMR-0311-2013-23m

Result 2.146 Accuracy 89.4% Limit 2.0 - 2.8

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Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split
Sampling hour: 15:00

Sampling location: NP2 split		Sampling hour: 15:00
Parameter		
Dissolved Barium (Ba) mg/L Bla	k <0.0005	
Standard nar	e DMR-0311-2013-23	
Res	lt 2.254	
Accura	y 93.9%	
Lir	it 2.04 - 2.76	
Beryllium (Be) mg/L Bla	k <0.0005	
Standard nar	e DMR-0311-2013-23m	
Res	lt 1.591	
Accura	y 93.6%	
Lir	it 1.4 - 2.0	
Boron (B) mg/L Bla	k <0.01	
Standard nar	e DMR-0311-2013-23m	
Res	lt 2.5	
Accura	y 86.8%	
Lir	it 2.45 - 3.31	
Cadmium (Cd) mg/L Bla	k <0.00002	
Standard nan	e DMR-0311-2013-23m	
Res	lt 0.91111	
Accura	y 98.8%	
Lir	it 0.8 - 1.0	
Dissolved Cadmium (Cd) mg/L Bla	k <0.00002	
Standard nan	e DMR-0311-2013-23	
Res	It 0.87322	
Accura	y 97%	
Lir	it 0.8 - 1.0	
Chloride mg/L Bla	k <0.5	
Standard nan	e DMR-0446-2013-CL	
Res	lt 100	
Accura	y 99%	
Lir	it 87 - 111	
Chrome (Cr) mg/L Bla	k <0.0006	
Standard nan	e DMR-0311-2013-23m	
Res	It 4.064	
Accura	y 99.7%	
Lir	it 3.44 - 4.66	
Cobalt (Co) mg/L Bla	k <0.0005	
	e DMR-0311-2013-23m	
Res	lt 1.643	
Accura	y 94.7%	
	it 1.33 - 1.79	

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Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split
Sampling hour: 15:00

Sampling location.	141 Z opiit		Sampling nour. 15.00
Parameter			
Copper (Cu) mg/L	Blank	<0.0005	
	Standard name	DMR-0311-2013-23m	
	Result	1.404	
	Accuracy	86.8%	
	Limit	1.05 - 1.43	
Dissolved Copper (Cu) mg/	L Blank	<0.0005	
	Standard name	DMR-0311-2013-23	
	Result	1.301	
	Accuracy	95.1%	
	Limit	1.05 - 1.43	
Tin (Sn) mg/L	Blank	<0.001	
Iron (Fe) mg/L	Blank	<0.01	
, , ,	Standard name	DMR-0311-2013-23m	
	Result	11.6	
	Accuracy	89.5%	
		8.9 - 12.1	
Dissolved Iron (Fe) mg/L	Blank	<0.01	
ν, σ	Standard name	DMR-0311-2013-23	
	Result	10.4	
	Accuracy	99%	
		8.9 - 12.1	
Lithium (Li) mg/L	Blank	< 0.005	
, , <u>-</u>	Standard name	DMR-0773-2011-18a	
	Result	0.863	
	Accuracy	97.3%	
		0.714 - 0.966	
Manganese (Mn) mg/L	Blank	<0.0005	
, , ,	Standard name	DMR-0311-2013-23m	
	Result	3.956	
	Accuracy	97.5%	
		3.28 - 4.44	
Dissolved Manganese (Mn)	mg/L Blank	< 0.0005	
3 (, ,	_	DMR-0311-2013-23	
	Result		
	Accuracy		
		3.28 - 4.44	
Mercury (Hg) mg/L		<0.00001	
, (), 3		DMR-0311-2013-14-Hg	
		0.00418	
	Accuracy		

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Lab number:V-28321Sample name:NP2 splitSampling date:July 30, 2013ampling location:NP2 splitSampling hour:15:00

Sampling location: NP2 split Parameter Limit 0.003 - 0.005 Dissolved Mercury (Hg) mg/L Blank < 0.0001 Standard name DMR-0311-2013-14-Hg Result 0.0032 Accuracy 80% Limit 0.003 - 0.005 Molybdenum (Mo) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 0.6781 Accuracy 96.2% Limit 0.599 - 0.811 Dissolved Molybdenum (Mo) mg Blank < 0.0005 Standard name DMR-0311-2013-23 Result 0.6419 Accuracy 91% Limit 0.599 - 0.811 Ammonia (NH3) mg N/L Blank < 0.05 Standard name DMR-0446-2013-NH3 Result 5.3 Accuracy 98.5% Limit 4.44 - 6.00 Nickel (Ni) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 1.232 Accuracy 91% Limit 0.96 - 1.30 Blank < 0.0005 Dissolved Nickel (Ni) mg/L Standard name DMR-0311-2013-23 Result 1.147 Accuracy 92.5% Limit 1.05 - 1.43 Nitrate (NO3) mg N/L Blank < 0.01 Nitrite (NO2) mg N/L Blank < 0.01 Standard name DMR-0446-2013-NO2 Result 2.5 Accuracy 99.2% Limit 2.14 - 2.90 Lead (Pb) mg/L Blank < 0.0003 Standard name DMR-0311-2013-23m Result 0.9249

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Lab number: V-28321
Sample name: NP2 split
Sampling date: July 30, 2013

Sampling location: NP2 split Sampling hour: 15:00 Parameter Accuracy 97.2% Limit 0.8 - 1.0 Dissolved Lead (Pb) mg/L Blank < 0.0003 Standard name DMR-0311-2013-23 Result 0.9053 Accuracy 99.4% Limit 0.8 - 1.0 Selenium (Se) mg/L Blank < 0.001 Standard name DMR-0311-2013-23m Result 1.46 Accuracy 91.9% Limit 1.15 - 1.55 Dissolved Selenium (Se) mg/L Blank < 0.001 Standard name DMR-0311-2013-23 Result 1.39 Accuracy 97% Limit 1.15 - 1.55 Strontium (Sr) mg/L Blank < 0.005 Standard name DMR-0773-2011-18a Result 1.25 Accuracy 99.2% Limit 1.05 - 1.43 Sulfate (SO4) mg SO4/L Blank < 0.6 Standard name DMR-0446-2013-SO4 Result 117 Accuracy 93.6% Limit 99 - 121 Thallium (TI) mg/L Blank < 0.005 Standard name STD TI SC0187114 1000ppm Result 1001 Accuracy 99.9% Limit 850 - 1150 Dissolved thallium (TI) mg/L Blank < 0.005 Standard name STD TI SC0187114 1000ppm Result 1001 Accuracy 99.9% Limit 850 - 1150 Titanium (Ti) mg/L Blank < 0.01 Uranium (U) mg/L Blank < 0.001 Standard name DMR-0311-2013-23m

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Lab number: V-28321
Sample name: NP2 split
Sampling location: NP3 split
Sampling location: NP3 split
Sampling location: NP3 split

Sampling location: NP2 split Sampling hour: 15:00 Parameter Result 2.01 Accuracy 85.1% Limit 1.49 - 2.01 Vanadium (V) mg/L Blank < 0.0005 Standard name DMR-0311-2013-23m Result 1.950 Accuracy 98% Limit 1.69 - 2.29 Zinc (Zn) mg/L Blank < 0.001 Standard name DMR-0311-2013-23m Result 5.07 Accuracy 87.6% Limit 3.83 - 5.19 Dissolved Zinc mg/L Blank < 0.001 Standard name DMR-0311-2013-23 Result 4.78 Accuracy 94% Limit 3.83 - 5.19

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Additional information

Lab number: V-28321
Sample name: NP2 split
Sampling location: NP2 split
Sampling hour: 15:00

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-lons 1.3
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-Lix-1.0	MA.100-Lix.com. 1.1
M-SULF-2.0	MA.300-lons 1.3

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APPENDIX 2

SOP: Management of Water in Diversion Ditches, Seeps, and Collection Locations during Freshet



Water Management in Diversion Ditches, Seeps, and Collection Locations during Freshet

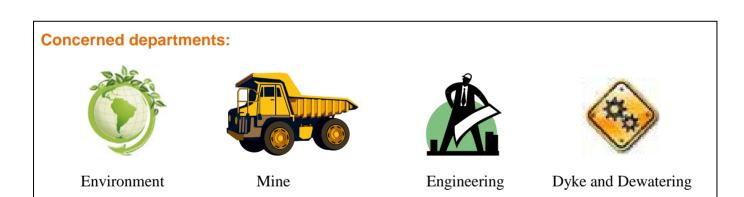


	PROCEDURE NUMBER:		MBK-ENV-0006	
People	Mine, Dikes,	Prepared by	Jeffrey Pratt Environmental Coordinator	
concerned	Engineering and Environment	Authorized by	Kevin Buck Environmental Superintendent	
Effective :	September 4, 2013		"Safety First, Safety Last Safety Always!" "No Repeats" – Our Stepping Stone to ZERO HARM	

This procedure corresponds to the required minimum standard. Each and everyone also have to comply with the rules and regulations of the Nunavut Government in terms of health and safety at work.

Objective:

This procedure is put in place to give specific dates in which actions must be taken to avoid excess non-contact water impacting on site mining activity, and also to prevent excessive pooling of contact water that could lead to a release of contact water off the mine site. This procedure will keep the project in conformance with NWB license, Part D, Item 33; Part E, Item 9.







Water Management in Diversion Ditches, Seeps, and Collection Locations during Freshet



Management of Water in Diversion Ditches, Seeps, and Collection Locations during Freshet

Procedure	Risks / Impacts
Diversion Ditches	
 No later than May 1, all diversion ditches must be cleaned free of ice and snow to allow freshet melt water to flow freely and prevent any obstructions within the diversion ditches. 	Avoid Environmental Impact Avoid Excess water on Mine Site
Culverts under Vault road are to be steamed, if necessary, to free ice obstructions.	Avoid Environmental Impact Avoid Excess water on Mine Site and road wash out
 Starting May 1 commence monitoring water moving through the diversion ditch system. Sampling for TSS must be completed by Environment Department, and shall initiate as soon as water flowing. 	Avoid Environmental Impact
4. If TSS levels are elevated Sediment control measures must be put in place. This may include installation of silt fence, or turbidity barrier. To be conducted by Environment staff	Avoid Environmental Impact



Water Management in Diversion Ditches, Seeps, and Collection Locations during Freshet



Seep and Collection Locations

1.

May 1st begin weekly inspections of seep areas and melt water collection locations. As per NWB license, Part E, Item 9.





Avoid Environmental Impact

Avoid Excess water on Mine Site

2.

At first sign of melt water collection, contact Environment Department. It will need to be determined if the water requires analysis prior to movement.





Avoid Environmental Impact

Avoid Excess water on Mine Site

3.

At first sign of melt water arrange with Mine or Dyke and Dewatering to begin removing water from seep and collection locations. Be sure to get an approved disposal location from the Environment Department.





Avoid Environmental Impact

4.

Any movement of water must be recorded. Quantity of water moved and location water is drawn and dispensed must be recorded.

Required for Reporting to Government Agencies

5. All actions listed in this SOP are required corrective measures to mitigate any impacts related to surface drainage resulting from the Project's activities on off site receiving waters. As per NWB license, Part D, Item 33.





Avoid Environmental Impact