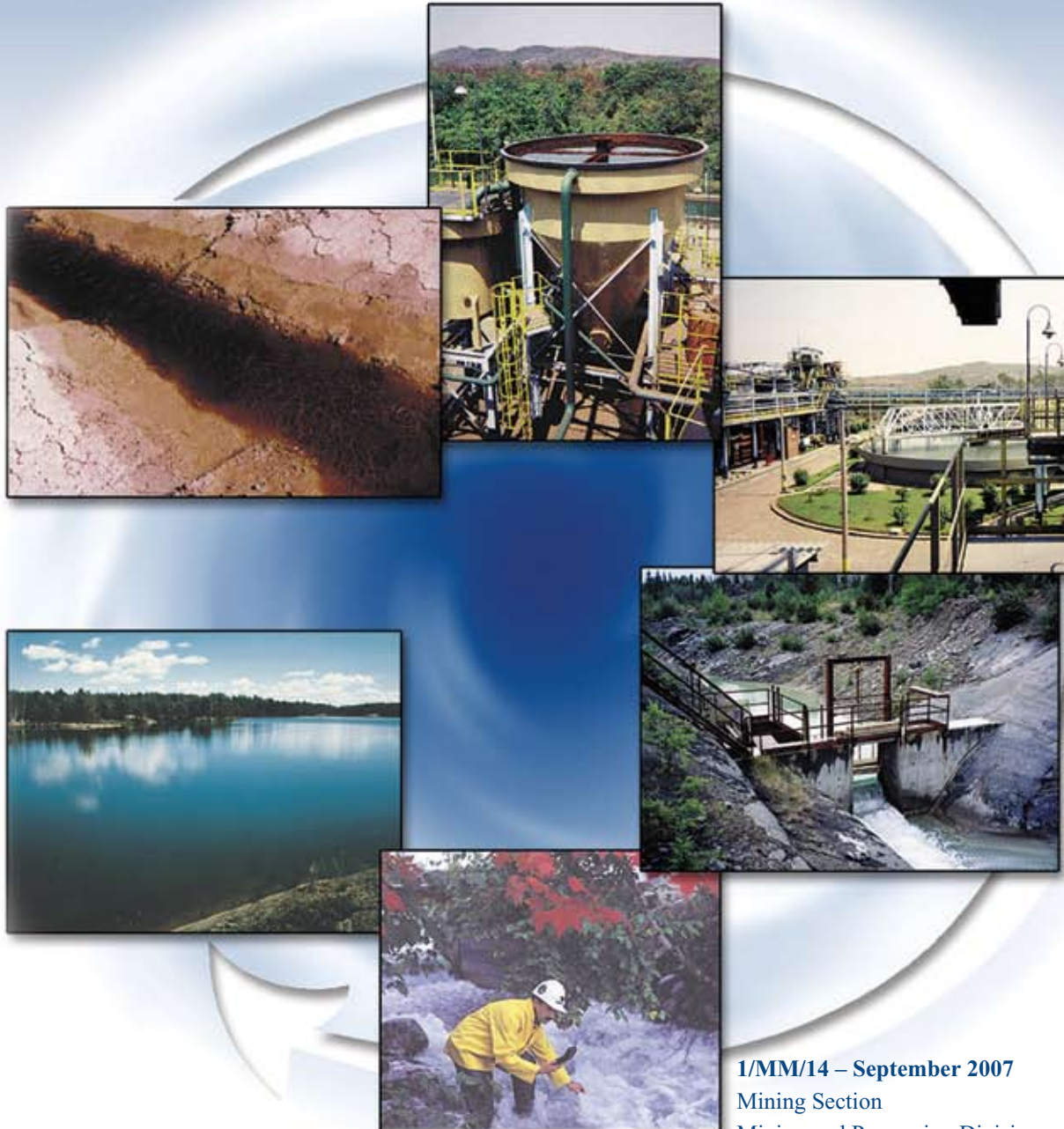


# Summary Review of PERFORMANCE OF METAL MINES

Subject to the *Metal Mining Effluent Regulations*  
in 2005



1/MM/14 – September 2007

Mining Section

Mining and Processing Division

Public and Resources Sectors Directorate

Environmental Stewardship Branch

Environment Canada



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Environmental Stewardship Branch

Environment Canada





# READERS' COMMENTS

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## **Note to the reader**

This summary review is available in Adobe Acrobat electronic format only and can be downloaded from Environment Canada's Green Lane at [www.ec.gc.ca/NOPP/branch/en/prod-pub.cfm?par\\_MenuID=8](http://www.ec.gc.ca/NOPP/branch/en/prod-pub.cfm?par_MenuID=8).



## REVIEW NOTICE

This performance summary of metal mines subject to the *Metal Mining Effluent Regulations* (MMER) has been reviewed by officials of the Mining Section, Environment Canada, and approved for public release. Approval does not necessarily signify that the contents reflect the views and policies of Environment Canada.

The data used in this summary review were provided to Environment Canada under section 22 of the MMER, which requires mines to submit annual reports to Environment Canada. The data were compiled by the Mining Section of Environment Canada and are presented as provided by the mines from their submitted annual reports. In some cases, quarterly reports were used by Environment Canada staff to complete missing information that was not properly reported by the owners or operators of some mines.

This summary has been compiled to inform the regulated community, other stakeholders and the interested public on the performance of mines subject to the MMER in 2005. The material has been prepared for informational purposes only. For all purposes of interpreting and applying the law, users should consult the *Metal Mining Effluent Regulations*, as registered by the Clerk of the Privy Council and published in Part II of the *Canada Gazette*.



# ABSTRACT

This review summarizes the performance of Canadian metal mines with respect to selected standards prescribed by the *Metal Mining Effluent Regulations* (MMER), which were registered on June 6, 2002, and came fully into force on December 6, 2002.

This is the third annual summary of performance with respect to the MMER, and Environment Canada expects to publish such a summary review on mine performance with respect to the MMER every year. This report should be read in conjunction with the *Status Report on Water Pollution Prevention and Control under the Metal Mining Effluent Regulations in 2003* which includes an overview of the MMER and their application to the Canadian metal mines. This performance review of mines is limited in that it provides minimal assessment of the effluent quality data and does not include any overview of the main requirements of the Regulations. In addition to detailed mine effluent quality data, the report includes various tables and graphs synthesizing the compliance data based on exceedances, jurisdictions and mining subsectors. Summary tables are also provided on the same basis for both rainbow trout acute lethality and *Daphnia magna* monitoring tests. The electronic format of the report, additional information on the MMER and related guidance documents are available on Environment Canada's Green Lane at [www.ec.gc.ca/NOPP/branch/en/prod-pub.cfm?par\\_MenuID=8](http://www.ec.gc.ca/NOPP/branch/en/prod-pub.cfm?par_MenuID=8).



# RÉSUMÉ

La présente évaluation sommaire porte sur la performance des mines de métaux canadiennes et repose sur certaines normes prescrites par le *Règlement sur les effluents des mines de métaux* (REMM), lequel a été enregistré le 6 juin 2002 et est entré en vigueur dans son ensemble le 6 décembre 2002.

Elle constitue la troisième évaluation sommaire annuelle de la performance relativement au REMM, et Environnement Canada prévoit en publier une à tous les ans. Ce rapport doit être lu en se référant au *Rapport d'étape sur la prévention de la pollution et la dépollution de l'eau en vertu du Règlement sur les effluents des mines de métaux en 2003* puisqu'il donne un survol du *Règlement* et de son application aux mines canadiennes de métaux. La portée de la présente évaluation sommaire est limitée, c'est-à-dire qu'elle ne comporte qu'une très brève analyse des données sur la qualité des effluents et ne renferme aucun aperçu des principales exigences figurant dans le REMM. Outre des données détaillées sur la qualité des effluents, le rapport comprend divers tableaux et graphiques dans lesquels les données sur la conformité sont résumées, selon les dépassements, la province ou le territoire et le sous-secteur minier. Il comprend également des tableaux sommaires dans lesquels on présente de la même manière les résultats des essais de détermination de la létalité aiguë chez la truite arc-en-ciel et des essais de suivi avec bioessais sur la *Daphnia magna*. La version électronique de cette évaluation, de même que de plus amples informations sur le REMM et des documents d'orientation connexes sont disponibles sur le site de la Voie verte d'Environnement Canada, à l'adresse [www.ec.gc.ca/NOPP/branch/FR/prod-pub.cfm?par\\_MenuID=8](http://www.ec.gc.ca/NOPP/branch/FR/prod-pub.cfm?par_MenuID=8).





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# SUMMARY

This review summarizes the performance of Canadian metal mines with respect to the selected standards prescribed by the *Metal Mining Effluent Regulations* (MMER), which came fully into force on December 6, 2002.

The MMER require sampling of effluent and the submission of quarterly and annual reports of results within specified time limits. The data used in this review were provided to Environment Canada under section 22 of the MMER, which requires mines to submit annual reports to Environment Canada. The format for these reports is specified in Schedule 6 of the MMER. The reports include:

- monthly mean concentrations for metals and total suspended solids;
- monthly pH range; and
- summary results of rainbow trout acute lethality tests and *Daphnia magna* monitoring tests.

The data were compiled by the Mining Section of Environment Canada. Except where noted, data are generally presented as provided by the owners or operators of the mines in their submitted annual reports. Occasionally, quarterly reports were used to correct or complete missing information that had not been properly reported by the owner or operator of a mine. For these facilities, a comment was added in the appropriate summary tables presented in Appendix E to identify which missing information had not been submitted as part of the annual report.

In 2005, 77 mining facilities operating in Canada were subject to the MMER. No metal

mines were subject to the Regulations in Yukon, Alberta, Nova Scotia or Prince Edward Island. Those facilities subject to the MMER are listed in Table 1 and their locations are illustrated in Figure 1. Additional information on the facilities is provided in Appendix B.

Pursuant to sections 9 and 10 of the Regulations, 142 final discharge points were identified as being subject to the Regulations. The distribution of facilities and final discharge points per jurisdiction is shown in Table 2. The number of final discharge points per facility ranged from 1 to 9, as illustrated in Table 3. Reported data indicate that 61 final discharge points had continuous discharge, 65 had intermittent discharge and 16 did not have any discharge in 2005.

Transitional Authorizations that were granted to facilities on December 6, 2002, expired on December 6, 2004. However, pursuant to section 35, extended Transitional Authorizations for total suspended solids were granted to three facilities (reference Table 4). These extended authorizations applied to six final discharge points and were valid until June 6, 2007. However, the MMER were amended on June 21, 2007, to re-issue these Transitional Authorizations, and they will now expire on December 6, 2008 (see Appendix A for details).

The tables presented in Appendix D summarize the effluent quality data for mines subject to the MMER in 2005. Table D1 summarizes the distribution of the non-compliant parameters for metals and pH, whereas Table D2 summarizes the results of rainbow trout acute lethality tests and *Daphnia magna* monitoring tests. Data for each individual final discharge point for mines subject to the MMER in 2005 are listed in Appendix E.

Overall, the metal mining sector achieved over 99% compliance with the prescribed limits for metals, cyanide and pH. The compliance rate for nickel was close to the 99% mark, i.e., 98.6%. Only a few sporadic exceedances were reported for arsenic, copper, radium 226 and zinc. Metal mines achieved 100% compliance for prescribed limits for cyanide and lead. Some mines were challenged to routinely meet total suspended solids limits and the overall compliance rate was 91.8% (Table 5).

With respect to rainbow trout acute lethality tests, the metal mining sector has achieved a non-acutely lethal effluent compliance rate of 97.8%. In 92.8% of *Daphnia magna* monitoring tests, the mortality rate was less than 50%. The MMER do not require effluents from metal mines to be non-acutely lethal to *Daphnia magna*. The addition of this species to the definition of acutely lethal effluent will be considered once sufficient data are available.

In 2005, 129 exceedances of the prescribed limits for metals and pH were reported (Tables 6 and 7). Total suspended solids exceedances accounted for 66.7%, metals for 24.0% and pH for 9.3%. Fifty-four facilities complied with the maximum authorized monthly mean concentrations and pH at all times. Twenty-three facilities reported at least one exceedance in 2005. The three facilities for which Transitional Authorizations were granted exceeded their Transitional Authorization limits at least once. Figure 2 shows the distribution, by jurisdiction, of all the facilities subject to the MMER in 2005, as well as the number of facilities for which exceedances were reported. The distribution of exceedances by jurisdiction is shown in Figure 3.

The distribution of exceedances that were reported in 2005 per jurisdiction is as follows:

- 51.9% occurred from facilities located in Newfoundland and Labrador;

- 17.1% occurred from facilities located in Quebec;
- 9.3% occurred from facilities located in British Columbia;
- 9.3% occurred from facilities located in the Northwest Territories;
- 7.8% occurred from facilities located in Ontario;
- 2.3% occurred from facilities located in Manitoba;
- 1.6% occurred from facilities located in Saskatchewan; and
- 0.7% occurred from facilities located in Nunavut.

No exceedance was reported from mines located in New Brunswick (Tables 8 and 9).

The distribution of exceedances by mining subsector is presented in Tables 10 and 11. The iron ore subsector accounted for 59.7% of all exceedances, the base metals subsector for 24.8% and the precious metals subsector for 15.5%. No exceedances were reported from the uranium subsector.

In 2005, 15 tests from 7 facilities were reported to be acutely lethal to rainbow trout (Table 12). Of those, 33.3% were from facilities located in Ontario, 26.7% in Quebec, 26.7% in Newfoundland and Labrador and 13.4% in the Northwest Territories. None of the effluent tested in British Columbia, Saskatchewan, Manitoba, Nunavut or New Brunswick was acutely lethal to rainbow trout. On a sectoral basis, 40% were from the base metals subsector, 40% from the iron ore subsector and 20% from the precious metals subsector. The uranium subsector had no rainbow trout acute lethality test failures (Table 13).

In 2005, 50 tests from 16 facilities had a *Daphnia magna* mortality rate greater than 50% (Table 12). Quebec had the highest percentage (28%) of tests in which *Daphnia magna* mortality was greater than 50%, followed by Manitoba (24%), British Columbia (20%), Newfoundland and Labrador (18%), Northwest Territories (6%) and New Brunswick (4%); Saskatchewan, Nunavut and Ontario had no *Daphnia magna* mortality rate greater than 50%. On a sectoral basis, 66% were from the base metals subsector, 22% from the iron ore subsector, 12% from the precious metals subsector and none from the uranium subsector (Table 13).

These Regulations are enforced by Environment Canada in accordance with the provisions of the Compliance and Enforcement Policy for the Habitat Protection and Pollution Prevention Provisions of the *Fisheries Act*. Enforcement

personnel administer the provisions and accompanying regulations with an emphasis on preventing harm to fish, fish habitat or human use of fish caused by physical alteration or pollution of waters frequented by fish.

In verifying compliance with these Regulations, inspectors abide by the Enforcement and Compliance Policy which sets out a range of possible responses to offenses, including warnings, inspector's directions, ticketing, ministerial orders, injunctions, prosecution and civil suits by the Crown for the recovery of costs. If an inspector confirms that an infraction has been committed, the inspector will select the appropriate response based on the following criteria: nature of the offense; effectiveness in achieving the desired result with the offender; and consistency.

## OVERALL COMPLIANCE ASSESSMENT FOR PRESCRIBED DELETERIOUS SUBSTANCES AND pH IN 2005

- Overall, the metal mining sector is achieving over 99% compliance with the prescribed limits for arsenic, copper, zinc, radium 226 and pH; only a few sporadic exceedances were reported for those prescribed parameters.
- A 100% compliance rate was achieved by metal mines for cyanide and lead.
- Two mines reported a substantial increase of exceedances for nickel.
- Some mines appear to be challenged to routinely meet total suspended solids limits, with the overall compliance rate being 91.8%.

## OVERALL ASSESSMENT OF RESULTS OF RAINBOW TROUT ACUTE LETHALITY AND *DAPHNIA MAGNA* MONITORING TESTS IN 2005

- Overall, the metal mining sector has achieved a compliance rate of 97.8% with respect to effluent that is non-acutely lethal to rainbow trout.
- In 92.8% of *Daphnia magna* monitoring tests, the mortality rate was less than 50%.



# COMPARISON OF PERFORMANCE OF METAL MINES IN 2004 AND 2005

- In 2005, 3 additional mines were subject to the MMER (i.e., 77 facilities in 2005 compared with 74 in 2004).
- In 2005, 142 final discharge points were subject to the MMER, compared with 128 in 2004.
- In 2005, the total number of exceedances increased to 129 from 75 in 2004.
- Metal mines achieved a 100% compliance rate for cyanide and lead in 2005; in addition to these two parameters, the same compliance rate included radium 226 in 2004.
- Nickel and zinc exceedances increased in 2005. Three facilities saw increased exceedances for these two metals.
- The overall compliance rate for total suspended solids decreased from 95.3% in 2004 to 91.8% in 2005. Although most total suspended solids exceedances reported were sporadic, three facilities seemed to have chronic exceedances for at least one of their effluents in 2005.
- The compliance rate for non-acutely lethal effluents to rainbow trout increased from 97.1% in 2004 to 97.8% in 2005. In 2003, the compliance rate was 95%.
- Between 2003 and 2004, no improvement was observed in *Daphnia magna* monitoring tests. In 94.1% of the tests, the mortality rate was less than 50% for both years. In 2005, however, the percentage dropped to 92.8%.

**Table 1: Mining Facilities Subject to the MMER in 2005**

	Facility	Jurisdiction
1	Myra Falls Operations	British Columbia
2	Endako Mines	British Columbia
3	Huckleberry Mine	British Columbia
4	Eskay Creek Mine	British Columbia
5	Kemess South Mine	British Columbia
6	Cluff Lake Project	Saskatchewan
7	Key Lake Operation	Saskatchewan
8	McArthur River Operation	Saskatchewan
9	Cigar Lake Project	Saskatchewan
10	McClellan Lake Operation	Saskatchewan
11	Rabbit Lake Operation	Saskatchewan
12	Seabee Mine	Saskatchewan
13	Konuto Lake Mine	Saskatchewan
14	Flin Flon Complex	Manitoba
15	Trout Lake Mine	Manitoba
16	Chisel North Mine	Manitoba
17	Snow Lake Mill	Manitoba
18	Ruttan Mine	Manitoba
19	Birchtree Mine	Manitoba
20	Thompson Complex	Manitoba
21	New Britannia Mine	Manitoba
22	Tanco Mine	Manitoba
23	Cantung Mine	Northwest Territories
24	Con Mine	Northwest Territories
25	Giant Mine	Northwest Territories
26	Lupin Operations	Nunavut
27	Polaris Mine	Nunavut
28	Nanisivik Mine	Nunavut
29	Red Lake Mine	Ontario
30	Campbell Mine	Ontario
31	Musselwhite Mine	Ontario
32	Lac des Iles Mine	Ontario
33	Golden Giant Mine	Ontario
34	Williams Mine	Ontario
35	Eagle River Mine	Ontario
36	Eagle River Mill	Ontario
37	Porcupine Joint Venture	Ontario
38	Holloway Mine	Ontario
39	Kidd Mining Division	Ontario

	Facility	Jurisdiction
40	Kidd Metallurgical Division	Ontario
41	Clavos Mine	Ontario
42	Montcalm Project	Ontario
43	Macassa Mine	Ontario
44	McAlpine Mill	Ontario
45	Lockerby Mine	Ontario
46	Strathcona Tailings Treatment System	Ontario
47	Copper Cliff Complex	Ontario
48	Crean Hill Mine	Ontario
49	Garson Mine	Ontario
50	Haley Plant	Ontario
51	Matagami (Mine) (Bell Allard)	Quebec
52	Géant Dormant (Mine)	Quebec
53	Bouchard-Hébert (Mine)	Quebec
54	Louvicourt (Mine)	Quebec
55	Laronde (Mine)	Quebec
56	Mouska (Mine)	Quebec
57	Doyon	Quebec
58	Kiena (Mine)	Quebec
59	Malartic (Mill)	Quebec
60	Sigma	Quebec
61	Beaufor	Quebec
62	Camflo (Mill)	Quebec
63	Croinor (Mine)	Quebec
64	Principale (Camchib)	Quebec
65	Joe Mann	Quebec
66	Copper Rand (Mine)	Quebec
67	Troilus	Quebec
68	Raglan (Mine)	Quebec
69	Niobec (Mine)	Quebec
70	Tio (Mine)	Quebec
71	Mont-Wright (Mine)	Quebec
72	Wabush (Scully Mine)	Newfoundland and Labrador
73	Iron Ore Company of Canada – Carol Project	Newfoundland and Labrador
74	Nugget Pond Mine	Newfoundland and Labrador
75	Duck Pond Mine	Newfoundland and Labrador
76	Voisey's Bay Mine – Mill	Newfoundland and Labrador
77	Brunswick No.12	New Brunswick

Note: Numbers in the first column refer to the numbers in Figure 1.

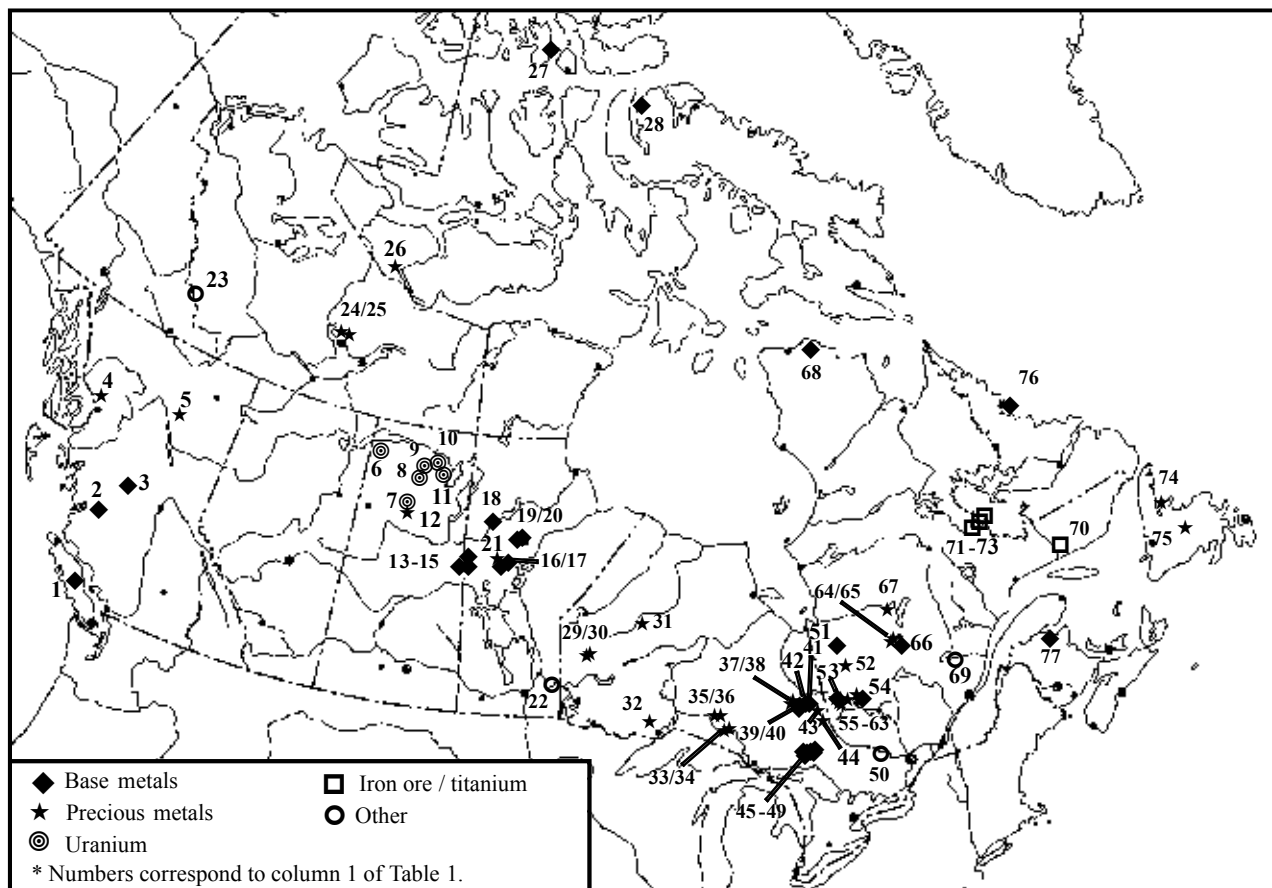
**Table 2: Distribution of Facilities and Final Discharge Points by Jurisdiction in 2005**

Jurisdiction	Number of Facilities	Number of Final Discharge Points
British Columbia	5	15
Saskatchewan	8	14
Manitoba	9	11
Northwest Territories	3	8
Nunavut	3	3
Ontario	22	34
Quebec	21	34
New Brunswick	1	1
Newfoundland and Labrador	5	22
<b>Total</b>	<b>77</b>	<b>142</b>

**Table 3: Distribution of Final Discharge Points per Facility in 2005**

Number of Final Discharge Points	Number of Facilities
1	51
2	10
3	7
4	3
5	1
6	4
9	1

**Figure 1: Location of Mining Facilities Subject to the MMER in 2005**



**Table 4: Summary of Transitional Authorizations Granted Pursuant to Section 35 of the MMR**

Substance/Parameter	From December 7, 2004, to December 6, 2008	
	Number of Facilities	Number of Final Discharge Points
Total suspended solids only	3	6

**Table 5: Compliance Summary for Prescribed Deleterious Substances and pH in 2005**

	As	Cu	CN	Pb	Ni	Zn	TSS	Ra-226	pH Low	pH High
Number of exceedances	5	3	0	0	13	9	86	1	8	4
Total number of months for which results were reported	951	993	298	962	968	989	1 057	599	1 058	1 058
Compliance rate (%)	99.5	99.7	100	100	98.6	99.1	91.8	99.8	99.2	99.6

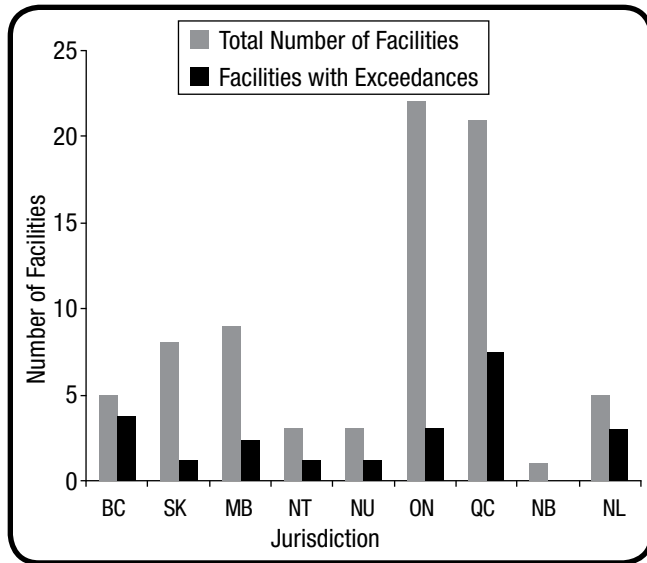
**Table 6: Performance Summary for Facilities without Transitional Authorizations in 2005**

Exceedances of Limits Prescribed in Schedule 4		
Substance/Parameter	Number of Exceedances	Number of Facilities
Arsenic	5	2
Copper	3	3
Cyanide	–	–
Lead	–	–
Nickel	13	3
Zinc	9	3
TSS	66	15
Radium 226	1	1
pH	12	8
<b>Total</b>	<b>109</b>	<b>35</b>

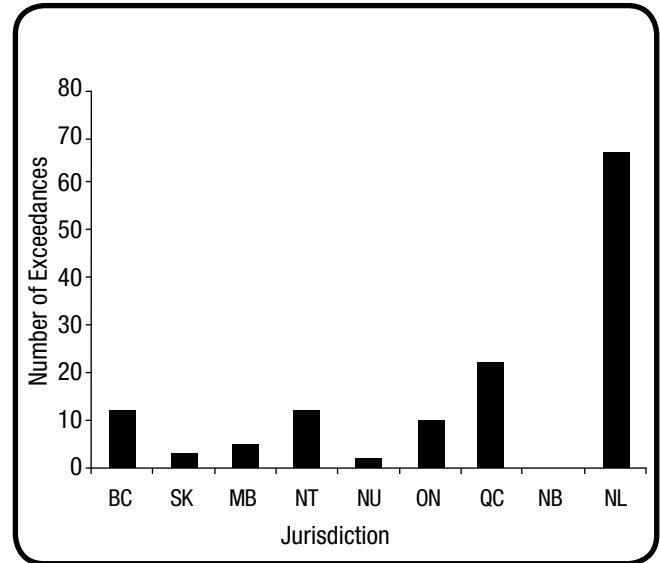
**Table 7: Performance Summary for Facilities with Transitional Authorizations in 2005**

Exceedances of Limits Prescribed in the Transitional Authorizations		
Substance/Parameter	Number of Exceedances	Number of Facilities
Arsenic	–	–
Copper	–	–
Cyanide	–	–
Lead	–	–
Nickel	–	–
Zinc	–	–
TSS	20	3
Radium 226	–	–
pH	–	–
<b>Total</b>	<b>20</b>	<b>3</b>

**Figure 2: Distribution of Facilities by Jurisdiction for Which Exceedances Were Reported in 2005: All Facilities**



**Figure 3: Distribution of Exceedances by Jurisdiction in 2005: All Facilities**



**Table 8: Distribution of Exceedances by Jurisdiction in 2005: Facilities without Transitional Authorizations**

Jurisdiction	As	Cu	Ni	Zn	TSS	Ra-226	pH	Total	Number of Facilities
British Columbia	–	–	–	2	8	–	2	12	3
Saskatchewan	–	–	–	–	1	–	–	1	1
Manitoba	–	–	1	–	2	–	–	3	2
Northwest Territories	–	1	–	–	10	1	–	12	1
Nunavut	–	–	–	–	–	–	1	1	1
Ontario	2	1	1	–	5	–	1	10	4
Quebec	–	1	11	–	6	–	4	22	7
New Brunswick	–	–	–	–	–	–	–	–	–
Newfoundland and Labrador	3	–	–	7	34	–	4	48	3
<b>Total</b>	<b>5</b>	<b>3</b>	<b>13</b>	<b>9</b>	<b>66</b>	<b>1</b>	<b>12</b>	<b>109</b>	<b>22</b>

**Table 9: Distribution of Exceedances by Jurisdiction in 2005: Facilities with Transitional Authorizations**

Jurisdiction	TSS	Number of Facilities
British Columbia	–	–
Saskatchewan	1	1
Manitoba	–	–
Northwest Territories	–	–
Nunavut	–	–
Ontario	–	–
Quebec	–	–
New Brunswick	–	–
Newfoundland and Labrador	19	2
<b>Total</b>	<b>20</b>	<b>3</b>

**Table 10: Distribution of Exceedances by Mining Subsector in 2005: Facilities without Transitional Authorizations**

Subsector	As	Cu	Ni	Zn	TSS	Ra-226	pH	Total	Number of Facilities
Base metals	–	2	2	2	20	1	4	<b>31</b>	8
Precious metals	2	1	–	–	13	–	4	<b>20</b>	11
Uranium	–	–	–	–	–	–	–	–	–
Iron	3	–	11	7	33	–	4	<b>58</b>	3
<b>Total</b>	<b>5</b>	<b>3</b>	<b>13</b>	<b>9</b>	<b>66</b>	<b>1</b>	<b>12</b>	<b>109</b>	<b>22</b>

**Table 11: Distribution of Exceedances by Mining Subsector in 2005: Facilities with Transitional Authorizations**

Subsector	TSS	Number of Facilities
Base metals	1	1
Precious metals	–	–
Uranium	–	–
Iron	19	2
<b>Total</b>	<b>20</b>	<b>3</b>

Table 12: Performance Summary: Rainbow Trout Acute Lethality and *Daphnia magna* Monitoring Tests, by Jurisdiction in 2005

Jurisdiction	Rainbow Trout Acute Lethality Tests			<i>Daphnia magna</i> Monitoring Tests		
	Total Number of Tests	>50% Mortality		Total Number of Tests	>50% Mortality	
		Number of Tests	Number of Facilities		Number of Tests	Number of Facilities
British Columbia	62	–	–	62	10	2
Saskatchewan	80	–	–	80	–	–
Manitoba	70	–	–	68	12	3
Northwest Territories	21	2	1	22	3	1
Nunavut	5	–	–	5	–	–
Ontario	150	5	3	145	–	–
Quebec	175	4	2	180	14	6
New Brunswick	13	–	–	13	2	1
Newfoundland and Labrador	124	4	1	124	9	3
<b>Total</b>	<b>700</b>	<b>15</b>	<b>7</b>	<b>699</b>	<b>50</b>	<b>16</b>

Table 13: Performance Summary: Rainbow Trout Acute Lethality and *Daphnia magna* Monitoring Tests, by Mining Subsector in 2005

Subsector	Rainbow Trout Acute Lethality Tests			<i>Daphnia magna</i> Monitoring Tests		
	Total Number of Tests	>50% Mortality		Total Number of Tests	>50% Mortality	
		Number of Tests	Number of Facilities		Number of Tests	Number of Facilities
Base metals	265	6	3	263	33	10
Precious metals	215	3	2	216	6	4
Uranium	65	–	–	65	–	–
Iron	155	6	2	155	11	2
<b>Total</b>	<b>700</b>	<b>15</b>	<b>7</b>	<b>699</b>	<b>50</b>	<b>16</b>



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# LIST OF ACRONYMS AND ABBREVIATIONS

As	arsenic	NMR	no measurement required
BC	British Columbia	NT	Northwest Territories
Bq/L	becquerel(s) per litre	NU	Nunavut
CN	cyanide	ON	Ontario
Cu	copper	Pb	lead
DM	<i>Daphnia magna</i>	QC	Quebec
FDP	final discharge point	Ra-226	radium 226
m <sup>3</sup>	cubic metre(s)	RT	rainbow trout
MB	Manitoba	SK	Saskatchewan
MEQS	monthly effluent quality standard	TA	Transitional Authorization
mg/L	milligram(s) per litre	t/d	tonne(s) per day
MMER	<i>Metal Mining Effluent Regulations</i>	t/y	tonne(s) per year
NB	New Brunswick	TSS	total suspended solids
ND	no deposit	U <sub>3</sub> O <sub>8</sub>	uranium oxide
Ni	nickel	Zn	zinc
NL	Newfoundland and Labrador		



# APPENDIX A: EXTENDED TRANSITIONAL AUTHORIZATIONS GRANTED PURSUANT TO SECTION 35 OF THE *METAL MINING EFFLUENT REGULATIONS (MMER)*

(FROM DECEMBER 7, 2004, TO DECEMBER 6, 2008)

Facility	Final Discharge Point	Province	Allowable TSS (mg/L)
Konuto Lake Mine	Surface Sump Discharge	Saskatchewan	25
Iron Ore Company of Canada – Carol Project	Beaver Bay Discharge	Newfoundland and Labrador	2 244
Iron Ore Company of Canada – Carol Project	Old Tailings Pumphouse Discharge	Newfoundland and Labrador	4 385
Iron Ore Company of Canada – Carol Project	Ore Car Flume	Newfoundland and Labrador	15 850
Iron Ore Company of Canada – Carol Project	Main Tailings Discharge	Newfoundland and Labrador	42 160
Wabush (Scully Mine)	Tailings Discharge	Newfoundland and Labrador	807 600

# APPENDIX B: MINING FACILITIES SUBJECT TO THE *METAL MINING EFFLUENT REGULATIONS (MMER)* IN 2005

Facility	Operator	Province/Territory (Location)	Products	Production Capacity	Process
1	Myra Falls Operations	NVI Mining Ltd. British Columbia (Vancouver Island)	Copper, zinc, lead, gold, silver	4 000 t/d	Flotation
2	Endako Mines	Thompson Creek Mining Ltd. British Columbia (west-central BC)	Molybdenum	27 000 t/d	Flotation
3	Huckleberry Mine	Huckleberry Mines Ltd. British Columbia (central BC, southwest of Houston)	Copper, molybdenum, gold, silver	21 000 t/d	Flotation
4	Eskay Creek Mine	Barrick Gold Corporation British Columbia (northwestern BC, east of Alaska Panhandle)	Gold, silver	300 t/d	Crushing only
5	Kemess South Mine	Northgate Minerals Corporation British Columbia (north-central BC)	Gold, copper	49 000 t/d	Flotation
6	Cluff Lake Project	Cogema Resources Inc. Saskatchewan (northwestern SK, south of Lake Athabaska)	Uranium	Closed	
7	Key Lake Operation	Cameco Corporation Saskatchewan (northern SK)	Uranium	Mill only. Annual production capacity of 18 million pounds U <sub>3</sub> O <sub>8</sub>	Leaching and solvent extraction
8	McArthur River Operation	Cameco Corporation Saskatchewan (northern SK)	Uranium	150 t/d	Crushing only – processed at Key Lake
9	Cigar Lake Project	Cameco Corporation Saskatchewan (northern SK)	Uranium	Mine under development	
10	McClellan Lake Operation	Cogema Resources Inc. Saskatchewan (northeastern SK, Wollaston Lake area)	Uranium	300 t/d	Leaching and solvent extraction
11	Rabbit Lake Operation	Cameco Corporation Saskatchewan (northeastern SK, Wollaston Lake area)	Uranium	Annual production capacity of 12 million pounds U <sub>3</sub> O <sub>8</sub>	Leaching and solvent extraction
12	Seabee Mine	Claude Resources Inc. Saskatchewan (northern SK)	Gold	800 t/d	Cyanidation
13	Konuto Lake Mine	Hudson Bay Mining and Smelting Co. Ltd. Saskatchewan (east-central SK, near Flin Flon, MB)	Copper, zinc, gold, silver, selenium, tellurium	800 t/d	Mining only – ore shipped to Flin Flon Mill
14	Flin Flon Complex	Hudson Bay Mining and Smelting Co. Ltd. Manitoba (west-central MB, in Flin Flon)	Copper, lead, zinc	5 500 t/d	Flotation

**Appendix B: Mining Facilities Subject to the *Metal Mining Effluent Regulations* (MMER) in 2005 (cont'd)**

Facility	Operator	Province/Territory (Location)	Products	Production Capacity	Process	
15	Trout Lake Mine	Hudson Bay Mining and Smelting Co. Ltd.	Manitoba (west-central MB, near Flin Flon)	Copper, zinc, gold, silver	2 500 t/d	Flotation
16	Chisel North Mine	Hudson Bay Mining and Smelting Co. Ltd.	Manitoba (west-central MB, near Snow Lake)	Zinc	750 t/d	Mining only – ore shipped to Stall / Snow Lake Mill
17	Snow Lake Mill	Hudson Bay Mining and Smelting Co. Ltd.	Manitoba (west-central MB, near Snow Lake)	Copper, zinc, selenium, tellurium, silver	3 600 t/d	Flotation
18	Ruttan Mine	Hudson Bay Mining and Smelting Co. Ltd.	Manitoba (northern MB, near Leaf Rapids)	Copper, zinc	Closed	
19	Birchtree Mine	Inco Ltd.	Manitoba (northern MB, near Thompson)	Nickel, copper	3 175 t/d	Mining only – ore shipped to Thompson Complex
20	Thompson Complex	Inco Ltd.	Manitoba (northern MB, in Thompson)	Nickel, copper	12 000 t/d	Flotation
21	New Britannia Mine	Kinross Gold Corporation	Manitoba (west-central MB, near Snow Lake)	Gold	2 200 t/d	Cyanidation
22	Tanco Mine	Tantalum Mining Corporation of Canada Ltd.	Manitoba (southeastern MB, northeast of Winnipeg)	Tantalum, lithium, cesium, rubidium	Varies by commodity	Gravity, flotation, dry grinding, leach
23	Cantung Mine	North American Tungsten Corporation Ltd.	Northwest Territories (east of Yukon border)	Tungsten	3 000 t/d	Flotation
24	Con Mine	Miramar Mining Corporation	Northwest Territories (Yellowknife)	Gold	750 t/d	Cyanidation
25	Giant Mine	Miramar Mining Corporation	Northwest Territories (Yellowknife)	Gold	5 800 t/month	Mining only – ore shipped to Con Mine
26	Lupin Operations	Kinross Gold Corporation	Nunavut (western NU, northeast of Yellowknife)	Gold		
27	Polaris Mine	Cominco Mining Partnership and Teck Cominco Metals Ltd.	Nunavut (Little Cornwallis Island)	Lead, zinc	Closed	
28	Nanisivik Mine	CanZinco Limited	Nunavut (northern Baffin Island)	Zinc, lead, silver	Closed	
29	Red Lake Mine	Goldcorp Inc.	Ontario (northwestern ON, Red Lake area)	Gold	600 t/d	Gravity, cyanidation, flotation
30	Campbell Mine	Placer Dome (CLA) Ltd.	Ontario (northwestern ON, Red Lake area)	Gold	≥1 000 t/d	Cyanidation
31	Musselwhite Mine	Placer Dome Canada Ltd.	Ontario (northwestern ON)	Gold	3 300 t/d	Cyanidation

**Appendix B: Mining Facilities Subject to the *Metal Mining Effluent Regulations (MMER)* in 2005 (cont'd)**

Facility	Operator	Province/Territory (Location)	Products	Production Capacity	Process	
32	Lac des Iles Mine	Lac des Iles Mines Ltd.	Ontario (northwestern ON, northwest of Thunder Bay)	Palladium, platinum, gold, copper, nickel, cobalt	15 000 t/d	Flotation
33	Golden Giant Mine	Newmont Canada Ltd.	Ontario (northern ON, east of Marathon)	Gold	3 000 t/d	Cyanidation
34	Williams Mine	Williams Operating Corporation	Ontario (northern ON, east of Marathon)	Gold	10 000 t/d	Cyanidation, gravity
35	Eagle River Mine	River Gold Mines Ltd.	Ontario (northern ON, west of Wawa)	Gold	850 t/d	Mining only – ore shipped to River Gold Mill
36	Eagle River Mill (Mill, Mishi Pit, and Magnacon Mine)	River Gold Mines Ltd.	Ontario (northern ON, west of Wawa)	Gold	1 000 t/d	Cyanidation
37	Porcupine Joint Venture (Dome Mine, Owl Creek Pit)	Placer Dome (CLA) Ltd. and Kinross Gold Corporation	Ontario (northeastern ON, Timmins area)	Gold		
38	Holloway Mine	Newmont Canada Ltd.	Ontario (northeastern ON, Timmins area)	Gold	2 500 t/d	Cyanidation
39	Kidd Mining Division	Falconbridge Ltd.	Ontario (northeastern ON, Timmins area)	Zinc, copper, cadmium, indium, cobalt, selenium, silver, palladium, platinum	10 000 t/d	Mining only – ore shipped to Kidd Metallurgical Division
40	Kidd Metallurgical Division	Falconbridge Ltd.	Ontario (northeastern ON, Timmins area)	Zinc, copper, cadmium, indium, cobalt, selenium, silver, palladium, platinum	10 000 t/d	Flotation
41	Clavos Mine	St Andrew Goldfields Ltd.	Ontario (northeastern ON, Timmins area)	Gold	700 t/d	Ore shipped to Stock Mill
42	Montcalm Project	Falconbridge Ltd.	Ontario (northeastern ON, Timmins area)	Nickel, copper, cobalt	Mine under development	
43	Macassa Mine	Kirkland Lake Gold Inc.	Ontario (northeastern ON, Kirkland Lake area)	Gold	1 450 t/d	Cyanidation
44	McAlpine Mill	SMC (Canada) Ltd.	Ontario (northeastern ON, Cobalt area)	Gold, silver, platinum, palladium	200 t/d processes metallurgical wastes	Gravity and flotation
45	Lockerby Mine	Falconbridge Ltd.	Ontario (Sudbury area)	Copper, nickel, cobalt	≥700 t/d	Mining only – ore shipped to Strathcona Mill

**Appendix B: Mining Facilities Subject to the *Metal Mining Effluent Regulations* (MMER) in 2005 (cont'd)**

Facility	Operator	Province/Territory (Location)	Products	Production Capacity	Process	
46	Strathcona Tailings Treatment System (includes Fraser, Strathcona Mine and Mill, Craig and Onaping Mines; also includes Inco's Coleman and McCreedy East Mines)	Falconbridge Ltd.	Ontario (Sudbury area)	Nickel, copper, cobalt, platinum, palladium	8 200 t/d	Flotation
47	Copper Cliff Complex (includes Clarabelle Mill, smelter, Copper Cliff North, Copper Cliff South, Creighton, Gertrude, Froid, and Stobie Mines)	Inco Ltd.	Ontario (Sudbury area)	Nickel, copper, cobalt, platinum	27 300 t/d for Clarabelle Mill	Flotation
48	Crean Hill Mine	Inco Ltd.	Ontario (Sudbury area)	Nickel, copper, cobalt, platinum	Closed	
49	Garson Mine	Inco Ltd.	Ontario (Sudbury area)	Nickel, copper, cobalt, platinum	2 400 t/d	Mining only – ore shipped to Copper Cliff Complex – Clarabelle Mill
50	Haley Plant	Timminco Ltd.	Ontario (southeastern ON, west of Ottawa)	Magnesium, calcium, strontium	7 500 t/y magnesium, 900 t/y calcium	Calcining, reduction, refining, melting, casting, extruding
51	Matagami (Mine) (Bell Allard)	Noranda Inc.	Quebec (northeastern QC, near Matagami)	Zinc, copper	2 000 t/d	Flotation
52	Géant Dormant (Mine)	Cambior Inc.	Quebec (northeastern QC, Abitibi region)	Gold	900 t/d	Cyanidation
53	Bouchard-Hébert (Mine)	Ressources Breakwater Ltée	Quebec (northeastern QC, Abitibi region)	Zinc, copper, gold, silver	2 800 t/d	Flotation
54	Louvicourt (Mine)	Les Ressources Aur Inc.	Quebec (northeastern QC, Abitibi region)	Copper, zinc, silver, gold	4 000 t/d	Flotation
55	Laronde (Mine)	Mines Agnico-Eagle Ltée	Quebec (northeastern QC, Abitibi region)	Gold, silver, copper, zinc	5 000 t/d	Flotation, leaching, gravity concentration
56	Mouska (Mine)	Cambior Inc.	Quebec (northeastern QC, Abitibi region)	Gold	600 t/d	Mining only – ore shipped to Doyon Mill
57	Doyon	Cambior Inc.	Quebec (northeastern QC, Abitibi region)	Gold	3 500 t/d	Cyanidation
58	Kiena (Mine)	Mines d'Or Wesdome Ltée	Quebec (northeastern QC, Abitibi region)	Gold	2 000 t/d	Cyanidation
59	Malartic (Mill)	Ministère des Ressources naturelles et de la Faune du Québec	Quebec (northeastern QC, Abitibi region)	Gold	3 000 t/d	Gravity, flotation, cyanidation
60	Sigma	Century Mining Corporation	Quebec (northeastern QC, Abitibi region)	Gold	5 000 t/d	

**Appendix B: Mining Facilities Subject to the *Metal Mining Effluent Regulations (MMER)* in 2005 (cont'd)**

Facility	Operator	Province/Territory (Location)	Products	Production Capacity	Process	
61	Beaufor	Mines Richmond Inc.	Quebec (northeastern QC, Abitibi region)	Gold	820 t/d	Mining only – ore shipped to Camflo
62	Camflo (Mill)	Mines Richmond Inc.	Quebec (northeastern QC, Abitibi region)	Gold	1 300 t/d (mill only)	Cyanidation
63	Croinor (Mine)	Exploration Malartic-Sud Inc.	Quebec (northeastern QC, Abitibi region)	Gold		Mining only – ore shipped to Camflo
64	Principale (Camchib)	Ressources Campbell Inc.	Quebec (northeastern QC, Chibougamau area)	Gold, copper	3 000 t/d (mill only)	Cyanidation
65	Joe Mann	Ressources Meston Inc.	Quebec (northeastern QC, Chibougamau area)	Gold, copper	1 000 t/d	Mining only – ore shipped to Camchib
66	Copper Rand (Mine)	Ressources MSV Inc. (Ressources Campbell Inc.)	Quebec (northeastern QC, Chibougamau area)	Copper, gold, silver		Gravity, flotation
67	Troilus	Corporation minière Inmet	Quebec (northeastern QC, north of Chibougamau)	Gold, copper	15 000 t/d	Gravity, flotation
68	Raglan (Mine)	Falconbridge Ltd.	Quebec (northern QC, west of Ungava Bay)	Nickel, copper, cobalt, platinum, palladium	3 000 t/d	Flotation
69	Niobec (Mine)	Cambior Inc.	Quebec (central QC, Lac St. Jean region)	Niobium	3 500 t/d	Flotation, magnetic separation
70	Tio (Mine)	QIT-Fer et Titane Inc.	Quebec (eastern QC, north of Havre-Saint-Pierre)	Titanium, iron ore	8 000 t/d	Mining only – ore processed at plant in Sorel, QC
71	Mont-Wright (Mine)	Compagnie minière Québec Cartier	Quebec (northeastern QC, near Wabush, NL)	Iron ore	125 000 t/d	Grinding and spiral separation
72	Wabush (Scully Mine)	Wabush Mines	Newfoundland and Labrador (western Labrador, Wabush, Labrador City area)	Iron ore	54 400 t/d	Grinding, spiral and high-tension separation
73	Iron Ore Company of Canada – Carol Project	Iron Ore Company of Canada	Newfoundland and Labrador (western Labrador, Wabush, Labrador City area)	Iron ore	140 000 t/d	Spirals and magnetic separators, flotation
74	Nugget Pond Mine	Richmont Mines Inc. – Newfoundland Division	Newfoundland and Labrador (north-central NL, northwest of Grand Falls)	Gold	350 t/d (mill only)	
75	Duck Pond Mine	Aur Resources Inc.	Newfoundland and Labrador (west-central Newfoundland)	Copper, zinc, silver, gold	1 500 t/d	Flotation
76	Voisey's Bay Mine – Mill	Inco Ltd.	Newfoundland and Labrador (northeastern Labrador)	Nickel, copper, cobalt	6 000 t/d	Flotation
77	Brunswick No. 12	Noranda Inc.	New Brunswick (northern NB, south of Bathurst)	Lead, zinc, copper, silver	10 000 t/d	Flotation



# APPENDIX C: MINING COMPANIES INCLUDED IN THE ASSESSMENT IN 2005

Aur Resources Inc.	Ministère des Ressources naturelles et de la Faune du Québec
Barrick Gold Corporation	Miramar Mining Corporation
Cambior Inc.	Newmont Canada Ltd.
Cameco Corporation	Noranda Inc.
CanZinco Ltd.	North American Tungsten Corporation Ltd.
Century Mining Corporation	Northgate Minerals Corporation
Claude Resources Inc.	NVI Mining Ltd.
Cogema Resources Inc.	Placer Dome Canada Ltd.
Cominco Mining Partnership	Placer Dome (CLA) Ltd.
Compagnie minière Québec Cartier	QIT-Fer et Titane Inc.
Corporation minière Inmet	Ressources Breakwater Ltée
Exploration Malartic-Sud Inc.	Ressources Campbell Inc.
Falconbridge Ltd.	Ressources Meston Inc.
First Nickel Inc.	Ressources MSV Inc.
Goldcorp Inc.	Richmont Mines Inc.
Huckleberry Mines Ltd.	River Gold Mines Ltd.
Hudson Bay Mining and Smelting Co. Ltd.	SMC (Canada) Ltd.
Inco Ltd.	St Andrew Goldfields Ltd.
Iron Ore Company of Canada	Tantalum Mining Corporation of Canada Ltd.
Kinross Gold Corporation	Teck Cominco Metals Ltd.
Kirkland Lake Gold Inc.	Thompson Creek Mining Ltd.
Lac des Iles Mines Ltd.	Timminco Ltd.
Les Ressources Aur Inc.	Voisey's Bay Nickel Company Ltd.
Mines Agnico-Eagle Ltée	Wabush Mines
Mines d'Or Wesdome Ltée	Williams Operating Corporation
Mines Richmont Inc.	



# APPENDIX D: PERFORMANCE SUMMARY OF MINE EFFLUENTS IN 2005

## Note to Readers

The tables presented in this appendix summarize the effluent quality data for mines subject to the *Metal Mining Effluent Regulations* in 2005. The summaries include site identification (i.e., mine/mill name and effluent discharge name) and number of months of discharge. Table D1 summarizes the distribution of the non-compliant parameters for metals and pH, whereas Table D2 summarizes the results of rainbow trout acute lethality tests and *Daphnia magna* monitoring tests. Metal exceedances represent the number of monthly mean concentrations that exceeded the prescribed limits for a given month, whereas pH exceedances represent the number of times that the monthly pH range was exceeded. The parameters included are arsenic (As), copper (Cu), cyanide (CN), lead (Pb), nickel (Ni), zinc (Zn), total suspended solids (TSS), total radium 226 (Ra-226), and pH.

**Table D1: Summary of Exceedances for Mines Subject to the MMR in 2005: Prescribed Parameters and pH**

Site Identification		Number of Months of Discharge	As 0.5 mg/L	Cu 0.3 mg/L	CN 1.0 mg/L	Pb 0.2 mg/L	Ni 0.5 mg/L	Zn 0.5 mg/L	TSS 15 mg/L	Ra-226 0.37 Bq/L	pH Low 6	pH High 9.5
Mine/Mill Name	Effluent Discharge Name											
Beaufor	Effluent final	12										
Birchtree Mine	Birchtree Effluent Treatment Plant	12										
Bouchard-Hébert (Mine)	Effluent final du bassin de polissage	5										
Brunswick No. 12	3333 Final Effluent	12										
Carnflo (Usine)	Effluent final	12							1			
Campbell Mine	WETOUT	8										
Cantung Mine	4-12	4							3			
Cantung Mine	Portal Main Audit 4-13	4							3			
Cantung Mine	Settling Pond 5-2	3										
Cantung Mine	4-27-2 Culvert	6										
Cantung Mine	4-28-2 Culvert	4										
Cantung Mine	Polishing Pond Four	4		1					4	1		
Chisel North Mine	Chisel North Mine Discharge	12										
Cigar Lake Project	Station 2.2	12										
Clavos Mine	Clavos Mine Drainage Area	1										
Clavos Mine	Sediment Pond	2										
Cluff Lake Project	B2 Settling Pond (TMA 6100s)	10										
Con Mine	Surveillance Network Program Station 40-1	3										
Copper Cliff Complex	Copper Cliff Wastewater Treatment Plant	12		1								1
Copper Cliff Complex	Nolin Creek Spillway	0										
Copper Cliff Complex	Nolin Creek Wastewater Treatment Plant	7					1					
Copper Rand (Mine)	Point de rejet final 2.1c	12									1	
Cream Hill Mine	Cream Hill Mine	9										
Croinor Mine	Effluent final	0										
Doyon	Effluent final du bassin A (D-203)	10										
Duck Pond Mine	Temporary Settling Pond Effluent	2							2			
Eagle River Mill	Eagle River Mill	6										

Highlighted data indicate the number of times that the authorized limits set as per Transitional Authorizations (TAs) were exceeded.

**Table D1: Summary of Exceedances for Mines Subject to the MMR in 2005: Prescribed Parameters and pH (cont'd)**

Site Identification		Number of Months of Discharge	As 0.5 mg/L	Cu 0.3 mg/L	CN 1.0 mg/L	Pb 0.2 mg/L	Ni 0.5 mg/L	Zn 0.5 mg/L	TSS 15 mg/L	Ra-226 0.37 Bq/L	pH Low 6	pH High 9.5
Mine/Mill Name	Effluent Discharge Name											
Eagle River Mine	FDP 1	12							4			
Endako Mines	En.A1 – Tailings Pond 1 South	12										
Endako Mines	En.H1 – Tailings Pond 2 Higginbotham	12							4			
Endako Mines	En.N1 – Tailings Pond 1 North	12										
Endako Mines	En.S2 – Tailings Pond 2 South	12										
Endako Mines	En.SBC – Endako Pit	12										
Endako Mines	En.W2 – Denak West Pit	0										
Eskay Creek Mine	Es.D7 – Treatment Pond Discharge Point	12										
Eskay Creek Mine	Es.TM1 – Tom Mackay Discharge Point	12										
Eskay Creek Mine	Es.W20 – Albino Discharge Point	12										
Flin Flon Complex	North Weir Discharge	12										
Garson Mine	Garson Mine	12										
Géant Dormant (Mine)	GD-E01 Effluent final – bassin d'eau de mine	12										
Géant Dormant (Mine)	GD-E02 Effluent final – décanteur lamellaire	5										
Giant Mine	Surveillance Network Program Station 43-1	3										
Golden Giant Mine	Effluent Treatment Plant Final Effluent	2										
Haley Plant	FDP 1	12										
Holloway Mine	Final Discharge Point	3										
Huckleberry Mine	Hu.EZDD – East Zone Diversion Ditch	0										
Huckleberry Mine	Hu.SC3 – Sediment Control Structure 3	12										
Huckleberry Mine	Hu.SC4 – Sediment Control Structure 4	7							3			

Highlighted data indicate the number of times that the authorized limits set as per Transitional Authorizations (TAs) were exceeded.

**Table D1: Summary of Exceedances for Mines Subject to the MMR in 2005: Prescribed Parameters and pH (cont'd)**

Site Identification		Number of Months of Discharge	As mg/L 0.5	Cu mg/L 0.3	CN mg/L 1.0	Pb mg/L 0.2	Ni mg/L 0.5	Zn mg/L 0.5	TSS mg/L 15	Ra-226 Bq/L 0.37	pH Low 6	pH High 9.5
Mine/Mill Name	Effluent Discharge Name											
Iron Ore Company of Canada – Carol Project	Beaver Bay Discharge	12							4			1
Iron Ore Company of Canada – Carol Project	Main Tailings Discharge	12	3				3		4			
Iron Ore Company of Canada – Carol Project	MD5	8							1			
Iron Ore Company of Canada – Carol Project	Old Tailings Pumphouse Discharge	12							1			
Iron Ore Company of Canada – Carol Project	Ore Car Flume	12					1		9			
Joe Mann	Effluent du bassin de polissage point 10	12										
Kemess South Mine	KS.WQ14 – Runoff	12										
Kemess South Mine	KS.WQBL – Sedimentation Pond Decant	5										
Key Lake Operation	Station 1.2 – Dewatering Discharge to Horsefly Lake	12										
Key Lake Operation	Station 1.4 – Mill Effluent to Wolf Lake	12										
Kidd Metallurgical Division	Final Effluent Monitoring Point	12										
Kidd Mining Division	Treatment Pond Final Effluent	12										
Kiena (Mine)	Effluent final	6										
Konuto Lake Mine	Surface Sump Discharge	11							1			
Lac des Iles Mine	FDP 1	6										
Laronde (Mine)	Effluent final 3A	12							4			
Lockerby Mine	Number 4 Pond Effluent	12										
Louvicourt (Mine)	Effluent final du bassin de polissage (EF-BP)	5										
Louvicourt (Mine)	Fosse No. 3	3										
Lupin Operations	Lupin Discharge Syphons SNP 925-10	2									1	

Highlighted data indicate the number of times that the authorized limits set as per Transitional Authorizations (TAs) were exceeded.

**Table D1: Summary of Exceedances for Mines Subject to the MMR in 2005: Prescribed Parameters and pH (cont'd)**

Site Identification		Number of Months of Discharge	As mg/L	Cu mg/L	CN mg/L	Pb mg/L	Ni mg/L	Zn mg/L	TSS mg/L	Ra-226 Bq/L	pH Low	pH High
Mine/Mill Name	Effluent Discharge Name											
Macassa Mine	C Dam	12	0.5	0.3	1.0	0.2	0.5	0.5	15	0.37	6	9.5
Magnaon Mine (part of Eagle River Mill)	Magnaon Mine	0										
Malartic (Usine)	Effluent final E1	5										
Matagami (Mine) (Bell-Allard)	Décharge du lac Watson	12										
McAlpine Mill	Polishing Pond	12	2									
McArthur River Operation	Station 2.1	12										
McArthur River Operation	Station 2.7	7										
McClellan Lake Operation	CM01-B (JEB Water Treatment Plant)	12										
McClellan Lake Operation	CM03	0										
McClellan Lake Operation	SC01 (SUE Water Treatment Effluent)	12										
Mishi Pit (part of Eagle River Mill)	Mishi Pit	0										
Montcalm Project	Montcalm Final Effluent	9										
Mont-Wright (Mine)	Point HS-1	12										
Mont-Wright (Mine)	Point MS-2	7										
Mouska (Mine)	Effluent final	12										
Muskelwhite Mine	FDP 1	5										
Myra Falls Operations	MF.11A – Runoff Myra Ponds Effluent	12							1			2
Nanisivik Mine	Twin Lakes Creek Discharge (159-4)	3										
New Britannia Mine	SWM03 (Birch Lake Outlet Embankment Decant Discharge)	3										
Niobec (Mine)	Effluent final	12										
Nugget Pond Mine	Polishing Pond Effluent	6										
Polaris Mine	Garrow Lake Siphons	3										
Porcupine Joint Venture	Mine Effluent Treatment Plant – Dome Mine	3										

Highlighted data indicate the number of times that the authorized limits set as per Transitional Authorizations (TAs) were exceeded.

**Table D1: Summary of Exceedances for Mines Subject to the MMR in 2005: Prescribed Parameters and pH (cont'd)**

Site Identification		Number of Months of Discharge	As 0.5 mg/L	Cu 0.3 mg/L	CN 1.0 mg/L	Pb 0.2 mg/L	Ni 0.5 mg/L	Zn 0.5 mg/L	TSS 15 mg/L	Ra-226 0.37 Bq/L	pH Low 6	pH High 9.5
Mine/Mill Name	Effluent Discharge Name											
Porcupine Joint Venture	Mine Water Storage Pond – Dome Mine	12										
Porcupine Joint Venture	Owl Creek Discharge 1	2										
Porcupine Joint Venture	Owl Creek Discharge 2	0										
Principale (Camchib)	Point 20	0										
Rabbit Lake Operation	Station 2.3.3	12										
Raglan (Mine)	DIR-HSA	3									1	
Raglan (Mine)	DIR-UT	6										
Raglan (Mine)	DIR-Z3	7										
Red Lake Mine	G1	4										
Red Lake Mine	Shaft 3 Mine Water Settling Pond	0										
Ruttan Mine	Brehault Lake Overflow Weir	7										
Seabee Mine	Final Discharge Point 1.2	12							1			
Seabee Mine	Final Discharge Point 1.3	4										
Seabee Mine	Final Discharge Point 1.5	0										
Sigma (Mine)	Effluent final EFF1	5		1								
Snow Lake Mill	Anderson Lake Discharge	10										
Strathcona Tailings Treatment System	Fecunis RR Bridge	12										
Tanco Mine	East Discharge (Phreatic Flow)	0										
Tanco Mine	West Discharge (Compliance Point)	12							1			
Thompson Complex	Misery Weir	12							1			
Thompson Complex	Station B	12					1					
Tio (Mine)	Aiguillage sud	8					3		1			
Tio (Mine)	Lac 211.4	10										
Tio (Mine)	Lac Grondin	2					1					
Tio (Mine)	Résurgence Léo	8					7					
Troilus	BS-2	12										
Troilus	PR-1	12									1	

Highlighted data indicate the number of times that the authorized limits set as per Transitional Authorizations (TAs) were exceeded.

**Table D1: Summary of Exceedances for Mines Subject to the MMR in 2005: Prescribed Parameters and pH (cont'd)**

Site Identification		Number of Months of Discharge	As mg/L	Cu mg/L	CN mg/L	Pb mg/L	Ni mg/L	Zn mg/L	TSS mg/L	Ra-226 Bq/L	pH Low	pH High
Mine/Mill Name	Effluent Discharge Name											
Troilus	PR-2	12							15	0.37	6	9.5
Troilus	PR-5	12										
Troilus	PR-6	12									1	
Troilus	PR-7	12										
Trout Lake Mine	Trout Lake	11										
Voisey's Bay Mine – Mill	Port Site Sediment Pond	0										
Voisey's Bay Mine – Mill	Sedimentation Pond A Discharge	1										
Voisey's Bay Mine – Mill	Sedimentation Pond B	1										
Voisey's Bay Mine – Mill	South of Ovoid Final Discharge Point	1										
Voisey's Bay Mine – Mill	South Sedimentation Pond	1										
Voisey's Bay Mine – Mill	Treated Effluent Final Discharge Point	0										
Wabush (Scully Mine)	East Pit No. 1 Dewatering	0										
Wabush (Scully Mine)	East Pit No. 2 Dewatering	12										
Wabush (Scully Mine)	Knoll Lake Inflow	12							12		1	
Wabush (Scully Mine)	Loadout Ditch Discharge	9							6		2	
Wabush (Scully Mine)	Shops East Discharge	9							6			
Wabush (Scully Mine)	Shops South Discharge	0										
Wabush (Scully Mine)	Tailings Discharge	12							1			
Wabush (Scully Mine)	Tailings Line Emergency Dump Basin 1	3							1			
Wabush (Scully Mine)	West Pit Extension Settling Basin	12							6			
Williams Mine	Polishing Pond Discharge CP 400	1							1			
Williams Mine	Stormwater Pond CP 102	1										
Williams Mine	Stormwater Pond CP 400A	2										
Williams Mine	Treated Effluent CP 0201	8										
<b>Total Exceedances</b>			<b>5</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>9</b>	<b>86</b>	<b>1</b>	<b>8</b>	<b>4</b>

Highlighted data indicate the number of times that the authorized limits set as per Transitional Authorizations (TAs) were exceeded.



**Table D2: Performance Summary for Mines Subject to the MMER in 2005:  
Rainbow Trout (RT) Acute Lethality and *Daphnia magna* (DM) Monitoring Tests**

Site Identification		Number of Months of Discharge	RT Total	RT Fail	DM Total	DM Fail
Mine/Mill Name	Effluent Discharge Name					
Beaufor	Effluent final	12	4		4	
Birchtree Mine	Birchtree Effluent Treatment Plant	12	4		4	1
Bouchard-Hébert (Mine)	Effluent final du bassin de polissage	5	4		8	2
Brunswick No. 12	3333 Final Effluent	12	13		13	2
Camflo (Usine)	Effluent final	12	4		4	
Campbell Mine	WETOUT	8	8		8	
Cantung Mine	4-12	4	3		3	
Cantung Mine	Portal Main Audit 4-13	4				
Cantung Mine	Settling Pond 5-2	3	3		3	
Cantung Mine	4-27-2 Culvert	6	6		6	
Cantung Mine	4-28-2 Culvert	4				
Cantung Mine	Polishing Pond Four	4	3		4	
Chisel North Mine	Chisel North Mine Discharge	12	12		12	
Cigar Lake Project	Station 2.2	12	12		12	
Clavos Mine	Clavos Mine Drainage Area	1	1		2	
Clavos Mine	Sediment Pond	2	2	1	2	
Cluff Lake Project	B2 Settling Pond (TMA 6100s)	10	4		4	
Con Mine	Surveillance Network Program Station 40-1	3	3	2	3	3
Copper Cliff Complex	Copper Cliff Wastewater Treatment Plant	12	4		4	
Copper Cliff Complex	Nolin Creek Spillway	0				
Copper Cliff Complex	Nolin Creek Wastewater Treatment Plant	7	3		3	
Copper Rand (Mine)	Point de rejet final 2.1c	12	12		12	
Crean Hill Mine	Crean Hill Mine	9	3		3	
Croinor Mine	Effluent final	0				
Doyon	Effluent final du bassin A (D-203)	10	4		4	
Duck Pond Mine	Temporary Settling Pond Effluent	2	1		1	
Eagle River Mill	Eagle River Mill	6	5		5	
Eagle River Mine	FDP 1	12	13		13	
Endako Mines	En.A1 – Tailings Pond 1 South	12	4		4	
Endako Mines	En.H1 – Tailings Pond 2 Higginbotham	12	4		4	
Endako Mines	En.N1 – Tailings Pond 1 North	12	8		8	
Endako Mines	En.S2 – Tailings Pond 2 South	12	4		4	
Endako Mines	En.SBC – Endako Pit	12	4		4	
Endako Mines	En.W2 – Denak West Pit	0				
Eskay Creek Mine	Es.D7 – Treatment Pond Discharge Point	12	4		4	

**Table D2: Performance Summary for Mines Subject to the MMR in 2005:  
Rainbow Trout (RT) Acute Lethality and *Daphnia magna* (DM) Monitoring Tests (cont'd)**

Site Identification		Number of Months of Discharge	RT Total	RT Fail	DM Total	DM Fail
Mine/Mill Name	Effluent Discharge Name					
Eskay Creek Mine	Es.TM1 – Tom MacKay Discharge Point	12	3		3	
Eskay Creek Mine	Es.W20 – Albino Discharge Point	12	4		4	
Flin Flon Complex	North Weir Discharge	12	12		12	1
Garson Mine	Garson Mine	12	4		4	
Géant Dormant (Mine)	GD-E01 Effluent final – bassin d'eau de mine	12	5		5	
Géant Dormant (Mine)	GD-E02 Effluent final – décanteur lamellaire	5	3		3	
Giant Mine	Surveillance Network Program Station 43-1	3	3		3	
Golden Giant Mine	Effluent Treatment Plant Final Effluent	2	2		2	
Haley Plant	FDP 1	12	4		4	
Holloway Mine	Final Discharge Point	3	3		3	
Huckleberry Mine	Hu.EZDD – East Zone Diversion Ditch	0				
Huckleberry Mine	Hu.SC3 – Sediment Control Structure 3	12	3		3	1
Huckleberry Mine	Hu.SC4 – Sediment Control Structure 4	7	3		3	
Iron Ore Company of Canada – Carol Project	Beaver Bay Discharge	12	6		6	
Iron Ore Company of Canada – Carol Project	Main Tailings Discharge	12	6		6	
Iron Ore Company of Canada – Carol Project	MD5	8	7		7	
Iron Ore Company of Canada – Carol Project	Old Tailings Pumphouse Discharge	12	12		12	
Iron Ore Company of Canada – Carol Project	Ore Car Flume	12	6		6	
Joe Mann	Effluent du bassin de polissage point 10	12	4		4	
Kemess South Mine	KS.WQ14 – Runoff	12	5		5	
Kemess South Mine	KS.WQBXL – Sedimentation Pond Decant	5	4		4	
Key Lake Operation	Station 1.2 – Dewatering Discharge to Horsefly Lake	12	11		11	
Key Lake Operation	Station 1.4 – Mill Effluent to Wolf Lake	12	12		12	
Kidd Metallurgical Division	Final Effluent Monitoring Point	12	14	3	11	
Kidd Mining Division	Treatment Pond Final Effluent	12	11		11	
Kiena (Mine)	Effluent final	6	5		5	
Konuto Lake Mine	Surface Sump Discharge	11	10		10	
Lac des Iles Mine	FDP 1	6	5	1	5	
Laronde (Mine)	Effluent final 3A	12	13		14	1

**Table D2: Performance Summary for Mines Subject to the MMER in 2005:  
Rainbow Trout (RT) Acute Lethality and *Daphnia magna* (DM) Monitoring Tests (cont'd)**

Site Identification		Number of Months of Discharge	RT Total	RT Fail	DM Total	DM Fail
Mine/Mill Name	Effluent Discharge Name					
Lockerby Mine	Number 4 Pond Effluent	12	4		4	
Louvicourt (Mine)	Effluent final du bassin de polissage (EF-BP)	5	4		4	
Louvicourt (Mine)	Fosse No.3	3	2		2	
Lupin Operations	Lupin Discharge Syphons SNP 925-10	2				
Macassa Mine	C Dam	12	12		12	
Magnacon Mine (part of Eagle River Mill)	Magnacon Mine	0				
Malartic (Usine)	Effluent final E1	5				
Matagami (Mine) (Bell Allard)	Décharge du lac Watson	12	4		4	
McAlpine Mill	Polishing Pond	12	4		4	
McArthur River Operation	Station 2.1	12	4		4	
McArthur River Operation	Station 2.7	7	2		2	
McClellan Lake Operation	CM01-B (JEB Water Treatment Plant)	12	4		4	
McClellan Lake Operation	CM03	0				
McClellan Lake Operation	SC01 (SUE Water Treatment Plant Effluent)	12	12		12	
Mishi Pit (part of Eagle River Mill)	Mishi Pit	0				
Montcalm Project	Montcalm Final Effluent	9	15		12	
Mont-Wright (Mine)	Point HS-1	12	4		4	
Mont-Wright (Mine)	Point MS-2	7	7		7	
Mouska (Mine)	Effluent final	12	4		4	
Musselwhite Mine	FDP 1	5	5		5	
Myra Falls Operations	MF.11A – Runoff Myra Ponds Effluent	12	12		12	9
Nanisivik Mine	Twin Lakes Creek Discharge (159-4)	3	3		3	
New Britannia Mine	SWM03 (Birch Lake Outlet Embankment Decant Discharge)	3	3		3	
Niobec (Mine)	Effluent final	12	10		10	2
Nugget Pond Mine	Polishing Pond Effluent	6	5		5	1
Polaris Mine	Garrow Lake Siphons	3	2		2	
Porcupine Joint Venture	Mine Effluent Treatment Plant – Dome Mine	3	3		3	
Porcupine Joint Venture	Mine Water Storage Pond – Dome Mine	12	4		4	
Porcupine Joint Venture	Owl Creek Discharge 1	2	2		2	
Porcupine Joint Venture	Owl Creek Discharge 2	0				
Principale (Camchib)	Point 20	0				
Rabbit Lake Operation	Station 2.3.3	12	4		4	
Raglan (Mine)	DIR-HSA	3	3	1	3	1

**Table D2: Performance Summary for Mines Subject to the MMR in 2005:  
Rainbow Trout (RT) Acute Lethality and *Daphnia magna* (DM) Monitoring Tests (cont'd)**

Site Identification		Number of Months of Discharge	RT Total	RT Fail	DM Total	DM Fail
Mine/Mill Name	Effluent Discharge Name					
Raglan (Mine)	DIR-UT	6	7	1	7	3
Raglan (Mine)	DIR-Z3	7	7		7	
Red Lake Mine	G1	4	4		4	
Red Lake Mine	Shaft 3 Mine Water Settling Pond	0				
Ruttan Mine	Brehault Lake Overflow Weir	7	7		5	
Seabee Mine	Final Discharge Point 1.2	12	4		4	
Seabee Mine	Final Discharge Point 1.3	4	1		1	
Seabee Mine	Final Discharge Point 1.5	0				
Sigma (Mine)	Effluent final EFF1	5	2		2	
Snow Lake Mill	Anderson Lake Discharge	10	9		9	
Strathcona Tailings Treatment System	Fecunis RR Bridge	12	4		4	
Tanco Mine	East Discharge (Phreatic Flow)	0				
Tanco Mine	West Discharge (Compliance Point)	12	4		4	
Thompson Complex	Misery Weir	12	4		4	
Thompson Complex	Station B	12	4		4	
Tio (Mine)	Aiguillage sud	8	8		8	
Tio (Mine)	Lac 211.4	10	13	2	13	
Tio (Mine)	Lac Grondin	2				
Tio (Mine)	Résurgence Léo	8	8		8	4
Troilus	BS-2	12	6		6	
Troilus	PR-1	12	4		4	
Troilus	PR-2	12	4		4	
Troilus	PR-5	12	4		4	
Troilus	PR-6	12	4		4	
Troilus	PR-7	12	12		12	1
Trout Lake Mine	Trout Lake	11	11		11	10
Voisey's Bay Mine – Mill	Port Site Sediment Pond	0				
Voisey's Bay Mine – Mill	Sedimentation Pond A Discharge	1				
Voisey's Bay Mine – Mill	Sedimentation Pond B	1	1		1	
Voisey's Bay Mine – Mill	South of Ovoid Final Discharge Point	1	1		1	1
Voisey's Bay Mine – Mill	South Sedimentation Pond	1	1		1	
Voisey's Bay Mine – Mill	Treated Effluent Final Discharge Point	0				
Wabush (Scully Mine)	East Pit No. 1 Dewatering	0				
Wabush (Scully Mine)	East Pit No. 2 Dewatering	12	12		12	1
Wabush (Scully Mine)	Knoll Lake Inflow	12	17		17	4
Wabush (Scully Mine)	Loadout Ditch Discharge	9	12	2	12	
Wabush (Scully Mine)	Shops East Discharge	9	9	2	9	1
Wabush (Scully Mine)	Shops South Discharge	0				

**Table D2: Performance Summary for Mines Subject to the MMER in 2005:  
Rainbow Trout (RT) Acute Lethality and *Daphnia magna* (DM) Monitoring Tests (cont'd)**

Site Identification		Number of Months of Discharge	RT Total	RT Fail	DM Total	DM Fail
Mine/Mill Name	Effluent Discharge Name					
Wabush (Scully Mine)	Tailings Discharge	12	17		17	1
Wabush (Scully Mine)	Tailings Line Emergency Dump Basin 1	3				
Wabush (Scully Mine)	West Pit Extension Settling Basin	12	11		11	
Williams Mine	Polishing Pond Discharge CP 400	1	1		1	
Williams Mine	Stormwater Pond CP 102	1	1		1	
Williams Mine	Stormwater Pond CP 400A	2	2		2	
Williams Mine	Treated Effluent CP 0201	8	7		7	
<b>Summary</b>			<b>700</b>	<b>15</b>	<b>699</b>	<b>50</b>

# APPENDIX E: EFFLUENT QUALITY DATA FOR MINES IN 2005

## Note to Readers

The tables presented in this appendix show the summary of the monthly monitoring results of each final discharge point identified pursuant to sections 9 and 10 of the *Metal Mining Effluent Regulations* (MMER). Effluent results were provided to Environment Canada pursuant to section 22 of the MMER, which requires mines to submit annual reports to Environment Canada. The format for these reports is specified in Schedule 6 of the MMER. Data are presented as provided by the owners or operators of the mines except where comments indicate that some data were added, for completeness, based on quarterly reports.

Supporting information includes:

- Mine/Mill Name
- Mine/Mill Operator Name
- Mine/Mill Product(s)
- Mine/Mill Address
- Identification of Final Effluent Discharge Point
- Parameter Limits
- Monthly Mean Concentrations of the Deleterious Substances
- Monthly pH Range (Low and High)
- Monthly Effluent Volume
- Results of Rainbow Trout Acute Lethality Tests
- Results of *Daphnia magna* Monitoring Tests
- Comments (if applicable)

Highlighted data indicate that a Monthly Effluent Quality Standard was exceeded for a given month. A “Pass” for the rainbow trout acute lethality test and the *Daphnia magna* monitoring test indicates that the percentage of mortality was less than or equal to 50%. A “Fail” indicates that the percentage of mortality was greater than 50%. Tables are sorted in alphabetical order based on mine/mill name.

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Beaufor												
Operator Name	Mines Richmond Inc.												
Product(s)	Gold												
Address	776, chemin Perron, Val-Senneville, Quebec JOY 2P0												
Effluent Discharge Point	Effluent final												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR
Cu (mg/L)	0.3	0.010	0.013	0.013	0.015	0.014	0.010	0.010	0.012	0.013	0.014	0.025	0.028
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR
Ni (mg/L)	0.5	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR
Zn (mg/L)	0.5	0.024	0.010	0.055	0.038	0.010	0.013	0.010	0.012	0.010	0.012	0.010	0.030
TSS (mg/L)	15	6.800	6.000	5.000	3.950	6.560	8.350	4.100	4.200	3.250	4.000	5.000	5.000
Ra-226 (Bq/L)	0.37	0.005	NMR	NMR	0.005	NMR	NMR	0.006	NMR	NMR	0.006	NMR	NMR
pH low	≥6.0	7.6	7.7	7.7	7.8	7.5	7.9	7.9	7.8	7.6	7.5	7.8	7.7
pH high	≤9.5	7.8	7.8	7.9	8.0	8.0	8.0	8.1	8.1	8.0	7.8	8.1	7.8
Flow (m <sup>3</sup> /month)	-	12 291	8 791	11 562	20 639	25 356	20 304	13 961	12 981	13 705	18 374	24 419	21 193
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Birchtree Mine												
Operator Name	Inco Ltd.												
Product(s)	Nickel-Copper												
Address	P.O. Box 5000, Thompson, Manitoba R8N 1P3												
Effluent Discharge Point	Birchtree Effluent Treatment Plant												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.010	0.010	0.010	0.010	0.010	0.040	0.013	0.012	0.011	0.013	0.011	0.016
Cu (mg/L)	0.3	0.010	0.010	0.010	0.010	0.010	0.034	0.038	0.050	0.050	0.050	0.050	0.050
CN (mg/L)	1.0	0.025	NMR	NMR	0.020	NMR	0.005	0.016	0.022	NMR	0.014	NMR	NMR
Pb (mg/L)	0.2	0.010	0.010	0.010	0.010	0.010	0.022	0.030	0.030	0.030	0.030	0.030	0.030
Ni (mg/L)	0.5	0.178	0.203	0.138	0.073	0.230	0.100	0.168	0.128	0.118	0.138	0.172	0.335
Zn (mg/L)	0.5	0.073	0.020	0.056	0.025	0.083	0.042	0.108	0.016	0.010	0.010	0.052	0.043
TSS (mg/L)	15	9.500	2.750	2.800	4.000	6.500	2.200	3.500	1.400	1.250	1.000	2.000	1.500
Ra-226 (Bq/L)	0.37	0.090	NMR	NMR	0.009	NMR	0.010	0.009	0.040	NMR	0.050	NMR	NMR
pH low	≥6.0	6.9	7.0	7.1	7.0	6.6	7.0	6.7	6.9	7.4	7.2	7.0	6.7
pH high	≤9.5	7.2	7.3	7.5	7.7	7.3	7.2	7.3	7.4	7.5	7.3	7.4	7.7
Flow (m <sup>3</sup> /month)	-	23 793	19 152	23 975	27 218	26 831	26 028	29 086	26 703	27 668	21 189	25 602	23 390
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1	NMR
Monitoring Test	Fail	1	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Bouchard-Hébert (Mine)												
Operator Name	Ressources Breakwater Ltée												
Product(s)	Zinc-Copper-Gold-Silver												
Address	596 Rang des Ponts, Cléricy, Quebec J0Z 1P0												
Effluent Discharge Point	Effluent final du bassin de polissage												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	0.001	0.001	0.002	0.002	0.002	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	0.027	0.035	0.024	0.031	0.020	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.038	0.059	0.069	0.049	0.037	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.063	0.034	0.022	0.028	0.074	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	2.925	3.625	4.000	1.850	1.250	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	0.004	NMR	0.007	NMR	NMR	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	7.0	7.1	8.2	8.5	7.7	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	7.9	8.8	8.9	8.5	7.8	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	117 349	161 478	150 877	95 760	66 182	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	1	1	1	1	–	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	1	2	1	2	–	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	2	–	–	–	–

**Comments:** No toxicity test results were provided for October.

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Brunswick No. 12											
Operator Name		Noranda Inc.											
Product(s)		Lead-Zinc-Copper-Silver											
Address		P.O. Box 3000, Bathurst, New Brunswick E2A 3Z8											
Effluent Discharge Point		3333 Final Effluent											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.002	0.001	0.001	0.003	0.007	0.005	0.006	0.005	0.007	0.004	0.005
Cu (mg/L)	0.3	0.002	0.094	0.119	0.039	0.025	0.023	0.013	0.020	0.012	0.020	0.014	0.017
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	0.001	0.005	0.005	0.009	0.011	0.006	0.008	0.004	0.010	0.006	0.009
Ni (mg/L)	0.5	0.003	0.003	0.003	0.003	0.008	0.029	0.017	0.026	0.012	0.030	0.019	0.023
Zn (mg/L)	0.5	0.050	0.113	0.148	0.168	0.265	0.117	0.060	0.041	0.034	0.039	0.164	0.087
TSS (mg/L)	15	2.600	2.900	3.840	2.150	2.240	1.500	1.400	10.480	4.530	4.240	5.360	5.850
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR
pH low	≥6.0	8.6	8.8	8.9	9.0	8.7	8.7	8.9	8.6	8.8	7.0	8.6	8.5
pH high	≤9.5	9.0	9.1	9.1	9.2	8.9	8.9	8.9	9.2	9.0	9.1	9.0	8.8
Flow (m <sup>3</sup> /month)	-	731 288	681 021	988 172	2 174 097	1 749 162	652 470	932 789	618 243	870 590	1 139 977	1 716 099	1 441 760
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	2	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	-	1	1	1	1	2	1	-
Monitoring Test	Fail	-	-	-	-	1	-	-	-	-	-	-	1
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Camflo (Usine)												
<b>Operator Name</b>	Mines Richmond Inc.												
<b>Product(s)</b>	Gold												
<b>Address</b>	100 Route 17, P.O. Box 640, Malartic, Quebec J0Y 1Z0												
<b>Effluent Discharge Point</b>	Effluent final												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sep.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	0.002	NMR	NMR	0.001	NMR	NMR	0.005	NMR	NMR	0.003	NMR	NMR
Cu (mg/L)	0.3	0.010	0.015	0.012	0.010	0.014	0.015	0.010	0.014	0.013	0.015	0.018	0.026
CN (mg/L)	1.0	0.051	NMR	0.036	0.010	0.005	NMR	0.038	NMR	NMR	0.037	0.011	0.011
Pb (mg/L)	0.2	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR
Ni (mg/L)	0.5	0.020	0.033	0.026	0.010	0.018	0.015	0.023	0.018	0.023	0.025	0.033	0.038
Zn (mg/L)	0.5	0.020	NMR	NMR	0.010	NMR	NMR	0.020	NMR	NMR	0.040	NMR	NMR
TSS (mg/L)	15	3.700	5.100	4.960	11.350	8.080	9.900	7.300	10.400	8.750	18.500	3.750	10.600
Ra-226 (Bq/L)	0.37	0.006	NMR	NMR	0.006	NMR	NMR	0.004	NMR	NMR	0.011	NMR	NMR
pH low	≥6.0	7.0	7.0	6.9	7.1	7.5	7.3	7.2	7.3	7.3	7.1	7.0	7.0
pH high	≤9.5	7.3	7.1	7.3	7.5	7.9	7.8	7.4	7.7	7.6	7.4	7.5	7.3
Flow (m <sup>3</sup> /month)	—	11 528	7 368	8 928	83 830	109 877	87 880	4 118	6 080	8 856	14 865	32 854	74 013
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:**

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Campbell Mine											
Operator Name		Placer Dome (CLA) Ltd.											
Product(s)		Gold											
Address		P.O. Box 10, 10 Mine Road, Balmertown, Ontario P0V 1C0											
Effluent Discharge Point		WETOUT											
Parameters		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Limits		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.011	0.013	0.015	0.019	0.016	0.016	0.017	0.017	ND
Cu (mg/L)	0.3	ND	ND	ND	0.006	0.015	0.012	0.009	0.009	0.011	0.017	0.019	ND
CN (mg/L)	1.0	ND	ND	ND	0.011	0.024	0.034	0.024	0.031	0.041	0.022	0.031	ND
Pb (mg/L)	0.2	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	ND
Ni (mg/L)	0.5	ND	ND	ND	0.011	0.076	0.089	0.098	0.103	0.095	0.094	0.088	ND
Zn (mg/L)	0.5	ND	ND	ND	0.020	0.032	0.032	0.021	0.031	0.034	0.025	0.035	ND
TSS (mg/L)	15	ND	ND	ND	3.000	2.330	2.140	2.330	2.000	2.140	2.000	2.000	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	0.006	0.020	0.005	0.010	0.005	0.001	0.008	0.020	ND
pH low	≥6.0	ND	ND	ND	7.2	7.0	6.7	6.7	6.6	6.6	6.4	6.4	ND
pH high	≤9.5	ND	ND	ND	7.2	7.6	7.3	7.4	7.0	6.8	7.9	7.1	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	530	122 293	277 384	260 771	240 915	229 775	242 490	123 952	ND
Rainbow Trout	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Cantung Mine												
Operator Name	North American Tungsten Corporation Ltd.												
Product(s)	Tungsten												
Address	P.O. Box 856, Watson Lake, Yukon Y0A 1C0												
Effluent Discharge Point	4-12												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	0.051	0.002	0.001	0.002	-	-
Cu (mg/L)	0.3	-	-	-	-	-	-	0.004	0.028	0.027	0.110	-	-
CN (mg/L)	1.0	-	-	-	-	-	-	NMR	NMR	NMR	NMR	-	-
Pb (mg/L)	0.2	-	-	-	-	-	-	0.013	0.003	0.002	0.006	-	-
Ni (mg/L)	0.5	-	-	-	-	-	-	0.013	0.003	0.002	0.004	-	-
Zn (mg/L)	0.5	-	-	-	-	-	-	0.007	0.028	0.023	0.075	-	-
TSS (mg/L)	15	-	-	-	-	-	-	10.375	68.050	54.500	230.500	-	-
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	0.006	0.008	0.006	0.018	-	-
pH low	≥6.0	-	-	-	-	-	-	8.2	8.1	7.5	6.8	-	-
pH high	≤9.5	-	-	-	-	-	-	8.2	8.2	8.2	8.0	-	-
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	15 736	38 956	23 004	3 518	-	-
Rainbow Trout	Pass	-	-	-	-	-	-	1	1	1	-	-	-
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	1	1	1	-	-	-
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This site became subject to the MMER in July 2005. This site flows to a settling pond and was routed to Pond 5-2 on October 16, 2005. No toxicity test results were provided for October.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Cantung Mine												
Operator Name	North American Tungsten Corporation Ltd.												
Product(s)	Tungsten												
Address	P.O. Box 856, Watson Lake, Yukon Y0A 1C0												
Effluent Discharge Point	Portal Main Audit 4-13												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	0.067	0.001	0.001	0.001	-	-
Cu (mg/L)	0.3	-	-	-	-	-	-	0.009	0.015	0.024	0.034	-	-
CN (mg/L)	1.0	-	-	-	-	-	-	NMR	NMR	NMR	NMR	-	-
Pb (mg/L)	0.2	-	-	-	-	-	-	0.017	0.001	0.003	0.003	-	-
Ni (mg/L)	0.5	-	-	-	-	-	-	0.017	0.001	0.002	0.003	-	-
Zn (mg/L)	0.5	-	-	-	-	-	-	0.024	0.033	0.027	0.039	-	-
TSS (mg/L)	15	-	-	-	-	-	-	14.500	23.700	44.000	61.900	-	-
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	0.005	0.005	0.006	0.009	-	-
pH low	≥6.0	-	-	-	-	-	-	8.3	8.3	7.6	7.5	-	-
pH high	≤9.5	-	-	-	-	-	-	8.3	8.3	8.3	8.2	-	-
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	22 982	8 055	6 875	390	-	-
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	-	-
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This site became subject to the MMER in July 2005. Flow from site Portal Main Audit 4-13 was terminated October 15, 2005 by pumping back into the mine. No toxicity test results were provided.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.											Pass: ≤50% Mortality	Fail: >50% Mortality
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Cantung Mine												
Operator Name	North American Tungsten Corporation Ltd.												
Product(s)	Tungsten												
Address	P.O. Box 856, Watson Lake, Yukon Y0A 1C0												
Effluent Discharge Point	Settling Pond 5-2												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	-	-	-	<0.001	<0.001	<0.001
Cu (mg/L)	0.3	-	-	-	-	-	-	-	-	-	0.017	0.003	0.003
CN (mg/L)	1.0	-	-	-	-	-	-	-	-	-	NMR	NMR	NMR
Pb (mg/L)	0.2	-	-	-	-	-	-	-	-	-	0.001	0.001	<0.001
Ni (mg/L)	0.5	-	-	-	-	-	-	-	-	-	0.002	0.002	0.002
Zn (mg/L)	0.5	-	-	-	-	-	-	-	-	-	0.012	0.009	0.010
TSS (mg/L)	15	-	-	-	-	-	-	-	-	-	8.530	5.550	4.525
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	-	-	-	0.007	0.008	0.007
pH low	≥6.0	-	-	-	-	-	-	-	-	-	8.1	7.9	7.1
pH high	≤9.5	-	-	-	-	-	-	-	-	-	8.1	8.1	8.1
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	-	-	-	9 056	18 200	14 181
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This site became subject to the MMER on October 16, 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality      Fail: >50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Cantung Mine												
Operator Name	North American Tungsten Corporation Ltd.												
Product(s)	Tungsten												
Address	P.O. Box 856, Watson Lake, Yukon Y0A 1C0												
Effluent Discharge Point	4-27-2 Culvert												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	0.050	<0.001	<0.001	<0.001	<0.001	<0.001
Cu (mg/L)	0.3	-	-	-	-	-	-	0.003	<0.001	<0.001	<0.001	<0.001	0.002
CN (mg/L)	1.0	-	-	-	-	-	-	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	-	-	-	-	-	-	0.013	<0.001	<0.001	<0.001	<0.001	<0.001
Ni (mg/L)	0.5	-	-	-	-	-	-	0.013	0.001	0.001	0.001	0.001	0.001
Zn (mg/L)	0.5	-	-	-	-	-	-	0.003	0.003	0.004	0.002	0.003	0.007
TSS (mg/L)	15	-	-	-	-	-	-	3.000	3.200	3.000	3.000	3.000	3.000
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	0.008	0.005	0.005	0.006	0.005	NMR
pH low	≥6.0	-	-	-	-	-	-	8.2	8.2	7.5	7.8	7.3	7.1
pH high	≤9.5	-	-	-	-	-	-	8.3	8.3	8.2	8.2	8.2	8.0
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	85 890	94 816	92 175	88 365	59 240	-
Rainbow Trout	Pass	-	-	-	-	-	-	1	1	1	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	1	1	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This site became subject to the MMER in July 2005. No flow was provided for December.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighed data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.	Fail: >50% Mortality											



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Cantung Mine												
Operator Name	North American Tungsten Corporation Ltd.												
Product(s)	Tungsten												
Address	P.O. Box 856, Watson Lake, Yukon Y0A 1C0												
Effluent Discharge Point	4-28-2 Culvert												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	0.067	0.001	0.001	0.001	-	-
Cu (mg/L)	0.3	-	-	-	-	-	-	0.023	0.001	0.001	0.002	-	-
CN (mg/L)	1.0	-	-	-	-	-	-	NMR	NMR	NMR	NMR	-	-
Pb (mg/L)	0.2	-	-	-	-	-	-	0.017	0.001	<0.001	0.001	-	-
Ni (mg/L)	0.5	-	-	-	-	-	-	0.018	0.001	0.001	0.001	-	-
Zn (mg/L)	0.5	-	-	-	-	-	-	0.049	0.004	0.004	0.006	-	-
TSS (mg/L)	15	-	-	-	-	-	-	4.160	4.800	3.725	4.530	-	-
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	0.005	0.005	0.005	0.006	-	-
pH low	≥6.0	-	-	-	-	-	-	8.0	8.1	7.3	7.8	-	-
pH high	≤9.5	-	-	-	-	-	-	8.2	8.1	8.0	8.0	-	-
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	1 102	1 348	1 441	52	-	-
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	-	-
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	-	-
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This site became subject to the MMER in July 2005. The effluent was routed to site 4-27-2 Culvert in October 2005. No toxicity test results were provided.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Cantung Mine												
Operator Name	North American Tungsten Corporation Ltd.												
Product(s)	Tungsten												
Address	P.O. Box 856, Watson Lake, Yukon Y0A 1C0												
Effluent Discharge Point	Polishing Pond Four												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	ND	ND	<0.001	0.001	0.002	0.004
Cu (mg/L)	0.3	-	-	-	-	-	-	ND	ND	0.049	0.038	0.116	0.529
CN (mg/L)	1.0	-	-	-	-	-	-	ND	ND	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	-	-	-	-	-	-	ND	ND	0.001	0.001	0.002	0.007
Ni (mg/L)	0.5	-	-	-	-	-	-	ND	ND	0.001	0.002	0.004	0.013
Zn (mg/L)	0.5	-	-	-	-	-	-	ND	ND	0.011	0.024	0.032	0.088
TSS (mg/L)	15	-	-	-	-	-	-	ND	ND	28.650	16.860	33.125	192.925
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	ND	ND	1.503	0.006	0.013	0.036
pH low	≥6.0	-	-	-	-	-	-	ND	ND	7.9	8.0	8.0	8.0
pH high	≤9.5	-	-	-	-	-	-	ND	ND	8.2	8.1	8.2	8.8
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	ND	ND	57 213	115 230	100 000	134 911
Rainbow Trout	Pass	-	-	-	-	-	-	ND	ND	1	-	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	ND	ND	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No data were provided from January to June since the mine was still in bankruptcy protection. No acute lethality test result was provided for October.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Chisel North Mine												
Operator Name	Hudson Bay Mining and Smelting Co. Ltd.												
Product(s)	Zinc												
Address	P.O. Box 130, Snow Lake, Manitoba R0B 1M0												
Effluent Discharge Point	Chisel North Mine Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.001	0.002	0.001	0.007	0.001	0.001	0.001	0.003	0.002	0.001	0.001
Cu (mg/L)	0.3	0.026	0.013	0.010	0.014	0.016	0.013	0.005	0.014	0.019	0.028	0.010	0.051
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.007	0.009	0.006	0.012	0.010	0.007	0.011	0.006	0.008	0.010	0.007	0.015
Ni (mg/L)	0.5	0.002	0.003	0.002	0.002	0.004	0.002	0.002	0.002	0.002	0.005	0.004	0.002
Zn (mg/L)	0.5	0.350	0.290	0.193	0.268	0.306	0.274	0.193	0.213	0.327	0.399	0.347	0.402
TSS (mg/L)	15	2.000	2.375	2.500	3.250	2.500	2.575	3.375	2.640	2.500	2.500	2.500	2.500
Ra-226 (Bq/L)	0.37	0.056	0.048	0.073	0.065	0.066	0.030	0.048	0.060	0.168	0.078	0.090	0.047
pH low	≥6.0	8.8	9.0	9.0	9.0	9.0	9.0	9.0	8.3	8.9	8.9	8.9	8.9
pH high	≤9.5	9.0	9.1	9.1	9.0	9.0	9.0	9.2	9.0	9.0	9.0	9.1	9.0
Flow (m <sup>3</sup> /month)	-	105 803	92 962	106 123	103 279	107 790	107 633	107 923	102 760	99 683	103 284	78 477	106 806
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Cigar Lake Project												
Operator Name		Cameco Corporation												
Product(s)		Uranium												
Address		2121-11 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7M 1J3												
Effluent Discharge Point		Station 2.2												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.002	<0.001	<0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001
Cu	(mg/L)	0.3	0.002	0.001	0.001	0.002	0.002	0.003	0.002	0.002	0.001	0.002	0.002	0.003
CN	(mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb	(mg/L)	0.2	0.002	0.003	0.002	0.007	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Ni	(mg/L)	0.5	0.006	0.004	0.005	0.003	0.003	0.003	0.003	0.003	0.005	0.006	0.006	0.005
Zn	(mg/L)	0.5	0.007	0.007	0.006	0.016	0.023	0.010	0.009	0.020	0.011	0.007	0.008	0.013
TSS	(mg/L)	15	2.600	1.750	1.250	2.375	1.636	2.110	1.180	1.150	1.660	1.410	1.300	1.580
Ra-226	(Bq/L)	0.37	0.006	0.006	0.006	0.009	0.006	0.011	0.009	0.009	0.007	0.008	0.009	0.008
pH low		≥6.0	6.6	6.7	6.5	6.6	6.9	6.8	6.8	6.4	6.3	6.9	6.9	6.9
pH high		≤9.5	7.0	6.8	6.7	7.3	7.6	7.4	7.8	7.2	7.4	7.2	7.2	7.3
Flow (m <sup>3</sup> /month)		-	22 150	18 903	26 583	36 482	33 594	27 900	23 222	25 187	25 207	16 339	29 040	29 310
Rainbow Trout		Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	1	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Clavos Mine												
Operator Name	St Andrew Goldfields Ltd.												
Product(s)	Gold												
Address	Finn Road, German Township, Ontario P0K 1N0												
Effluent Discharge Point	Clavos Mine Drainage Area												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	-	0.126
Cu (mg/L)	0.3	-	-	-	-	-	-	-	-	-	-	-	0.001
CN (mg/L)	1.0	-	-	-	-	-	-	-	-	-	-	-	NMR
Pb (mg/L)	0.2	-	-	-	-	-	-	-	-	-	-	-	0.005
Ni (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	-	0.001
Zn (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	-	0.015
TSS (mg/L)	15	-	-	-	-	-	-	-	-	-	-	-	2.500
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	-	-	-	-	-	0.010
pH low	≥6.0	-	-	-	-	-	-	-	-	-	-	-	7.0
pH high	≤9.5	-	-	-	-	-	-	-	-	-	-	-	7.0
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	-	-	-	-	-	6 522
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	-	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	-	2
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This new final discharge point became subject to the MMER on December 22, 2005. The effluent monitoring started on December 22, 2005.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												
													Pass: ≤50% Mortality      Fail: >50% Mortality

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Clavos Mine												
Operator Name	St Andrew Goldfields Ltd.												
Product(s)	Gold												
Address	Finn Road, German Township, Ontario P0K 1N0												
Effluent Discharge Point	Sediment Pond												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.370	0.404
Cu (mg/L)	0.3	-	-	-	-	-	-	-	-	-	-	0.005	0.005
CN (mg/L)	1.0	-	-	-	-	-	-	-	-	-	-	NMR	NMR
Pb (mg/L)	0.2	-	-	-	-	-	-	-	-	-	-	0.005	0.005
Ni (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.074	0.078
Zn (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.004	0.003
TSS (mg/L)	15	-	-	-	-	-	-	-	-	-	-	10.300	10.500
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	-	-	-	-	0.010	0.010
pH low	≥6.0	-	-	-	-	-	-	-	-	-	-	8.1	8.1
pH high	≤9.5	-	-	-	-	-	-	-	-	-	-	8.1	8.1
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	-	-	-	-	3 145	24 521
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	1	-
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	1
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This new final discharge point became subject to the MMER on November 29, 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

# Metal Mining Effluent Regulations (MMER)

## 2005 Effluent Compliance

Mine/Mill Name	Cluff Lake Project												
Operator Name	Cogema Resources Inc.												
Product(s)	Uranium												
Address	P.O. Box 9204, 817-45 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7K 3X5												
Effluent Discharge Point	B2 Settling Pond (TMA 6100s)												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.003	0.003	0.004	ND	ND
Cu (mg/L)	0.3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	ND	ND
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND
Pb (mg/L)	0.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ND	ND
Ni (mg/L)	0.5	0.008	0.011	0.029	0.024	0.014	0.024	0.017	0.015	0.019	0.123	ND	ND
Zn (mg/L)	0.5	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	ND	ND
TSS (mg/L)	15	3.400	3.500	2.500	2.500	1.800	2.250	1.660	1.750	2.000	3.500	ND	ND
Ra-226 (Bq/L)	0.37	0.009	0.018	0.011	0.007	0.006	0.006	0.005	0.008	0.007	0.008	ND	ND
pH low	≥6.0	7.4	7.6	8.0	7.0	7.2	7.3	7.4	7.3	7.3	7.9	ND	ND
pH high	≤9.5	7.5	8.1	8.3	7.5	7.4	7.6	7.5	7.7	7.6	8.0	ND	ND
Flow (m <sup>3</sup> /month)	-	108 157	131 118	105 134	103 673	152 999	121 822	103 565	64 918	27 051	42 529	ND	ND
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Con Mine															
Operator Name		Miramar Mining Corporation															
Product(s)		Gold															
Address		P.O. Box 2000, Yellowknife, Northwest Territories X1A 2M1															
Effluent Discharge Point		Surveillance Network Program Station 40-1															
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.004	0.005	0.010	ND	ND	ND				
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	0.217	0.193	0.225	ND	ND	ND				
CN (mg/L)	1.0	ND	ND	ND	ND	ND	0.663	0.71	0.618	0.618	ND	ND	ND				
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	0.001	0.051	0.001	0.001	ND	ND	ND				
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.213	0.281	0.342	0.342	ND	ND	ND				
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.008	0.020	0.027	0.027	ND	ND	ND				
TSS (mg/L)	15	ND	ND	ND	ND	ND	2.930	4.800	5.000	5.000	ND	ND	ND				
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	0.012	0.008	0.008	0.009	ND	ND	ND				
pH low	≥6.0	ND	ND	ND	ND	ND	8.5	7.7	8.0	8.0	ND	ND	ND				
pH high	≤9.5	ND	ND	ND	ND	ND	8.8	7.7	8.1	8.1	ND	ND	ND				
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	100 196	20 185	104 516	104 516	ND	ND	ND				
Rainbow Trout	Pass	ND	ND	ND	ND	ND	-	1	-	-	ND	ND	ND				
Acute Lethality Test	Fail	-	-	-	-	-	1	-	-	1	-	-	-				
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	-	-	-	-	ND	ND	ND				
Monitoring Test	Fail	-	-	-	-	-	1	1	1	1	-	-	-				
<b>Comments:</b>																	
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.																	



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Copper Cliff Complex												
Operator Name	Inco Ltd.												
Product(s)	Nickel-Copper-Cobalt-Platinum												
Address	155 Balsam Street, Copper Cliff, Ontario P0M 1N0												
Effluent Discharge Point	Copper Cliff Wastewater Treatment Plant												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.004	0.002	0.004
Cu (mg/L)	0.3	0.350	0.278	0.198	0.165	0.192	0.242	0.181	0.144	0.153	0.216	0.161	0.215
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.030	0.033	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.050	0.037
Ni (mg/L)	0.5	0.150	0.330	0.363	0.167	0.147	0.112	0.049	0.103	0.104	0.327	0.125	0.235
Zn (mg/L)	0.5	0.010	0.010	0.010	0.013	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
TSS (mg/L)	15	2.550	2.350	2.160	2.250	3.850	2.400	2.250	2.000	2.200	4.130	2.000	2.300
Ra-226 (Bq/L)	0.37	NMR	0.005	NMR	NMR	0.011	NMR	NMR	0.015	NMR	NMR	0.005	NMR
pH low	≥6.0	8.1	7.9	7.4	6.6	8.0	8.5	8.4	8.6	7.9	8.1	8.0	6.1
pH high	≤9.5	10.8	9.3	8.7	7.4	8.9	8.9	9.0	9.1	8.6	8.9	8.3	9.1
Flow (m <sup>3</sup> /month)	—	2 850 706	5 192 642	5 499 338	5 320 350	4 098 422	2 073 331	2 264 626	2 191 003	2 854 912	1 740 959	1 586 225	3 465 925
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-

### Comments:

Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Copper Cliff Complex															
Operator Name		Inco Ltd.															
Product(s)		Nickel-Copper-Cobalt-Platinum															
Address		155 Balsam Street, Copper Cliff, Ontario P0M 1N0															
Effluent Discharge Point		Nolin Creek Spillway															
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<b>Comments:</b>																	
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.																	

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Copper Cliff Complex												
Operator Name	Inco Ltd.												
Product(s)	Nickel-Copper-Cobalt-Platinum												
Address	155 Balsam Street, Copper Cliff, Ontario P0M 1N0												
Effluent Discharge Point	Nolin Creek Wastewater Treatment Plant												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.002	0.002	0.002	0.002	ND	ND	ND	ND	ND	0.002	0.002
Cu (mg/L)	0.3	0.062	0.017	0.027	0.022	0.006	ND	ND	ND	ND	ND	0.034	0.034
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND	ND	NMR	NMR
Pb (mg/L)	0.2	0.020	0.021	0.021	0.020	0.020	ND	ND	ND	ND	ND	0.028	0.020
Ni (mg/L)	0.5	0.611	0.275	0.170	0.133	0.085	ND	ND	ND	ND	ND	0.202	0.162
Zn (mg/L)	0.5	0.005	0.005	0.005	0.079	0.005	ND	ND	ND	ND	ND	0.005	0.005
TSS (mg/L)	15	4.600	4.050	6.480	2.750	2.700	ND	ND	ND	ND	ND	2.000	2.130
Ra-226 (Bq/L)	0.37	NMR	0.008	NMR	NMR	0.005	ND	ND	ND	ND	ND	0.004	NMR
pH low	≥6.0	7.8	7.9	8.1	8.0	8.3	ND	ND	ND	ND	ND	8.2	8.0
pH high	≤9.5	8.5	8.8	9.0	8.7	8.9	ND	ND	ND	ND	ND	8.2	8.7
Flow (m <sup>3</sup> /month)	-	378 122	306 227	314 174	727 534	569 410	ND	ND	ND	ND	ND	113 308	202 512
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	ND	ND	ND	ND	ND	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	ND	ND	ND	ND	ND	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Copper Rand (Mine)												
Operator Name		Ressources MSV Inc. (Ressources Campbell Inc.)												
Product(s)		Copper-Gold-Silver												
Address		P.O. Box 8000, Chibougamau, Quebec G8P 2L1												
Effluent Discharge Point		Point de rejet final 2.1c												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.013	0.015	0.016	0.008	0.009	0.011	0.008	0.007	0.013	0.006	0.004	0.004
Cu	(mg/L)	0.3	0.053	0.038	0.045	0.040	0.022	0.028	0.010	0.012	0.010	0.014	0.015	0.025
CN	(mg/L)	1.0	0.059	0.010	0.010	0.005	0.008	0.087	0.016	0.010	0.006	0.005	0.006	0.006
Pb	(mg/L)	0.2	0.001	0.001	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.001
Ni	(mg/L)	0.5	0.013	0.018	0.013	0.015	0.026	0.010	0.010	0.014	0.013	0.028	0.023	0.033
Zn	(mg/L)	0.5	0.030	0.025	0.020	0.018	0.014	0.030	0.015	0.010	0.010	0.016	0.010	0.028
TSS	(mg/L)	15	3.075	2.400	1.250	4.100	3.200	9.125	5.500	3.200	3.000	4.800	5.500	3.250
Ra-226	(Bq/L)	0.37	0.002	NMR	NMR	NMR	NMR	0.002	0.002	NMR	NMR	0.002	NMR	NMR
pH low		≥6.0	8.0	7.9	7.7	7.8	7.3	7.9	7.9	7.8	7.8	5.7	7.4	7.5
pH high		≤9.5	8.8	8.4	7.9	8.1	8.1	8.7	8.3	8.0	8.2	8.0	7.9	7.8
Flow (m <sup>3</sup> /month)		-	184 655	147 840	146 283	245 107	340 486	326 158	255 899	143 651	160 488	287 481	218 160	270 518
Rainbow Trout		Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	1	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Crean Hill Mine												
Operator Name	Inco Ltd.												
Product(s)	Nickel-Copper-Cobalt-Platinum												
Address	410 Crean Hill Road, Walden, Ontario P0M 1N0												
Effluent Discharge Point	Crean Hill Mine												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ND	ND	0.002	0.002
Cu (mg/L)	0.3	0.003	0.003	0.004	0.056	0.011	0.003	0.005	0.005	ND	ND	0.008	0.015
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND	NMR	NMR
Pb (mg/L)	0.2	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	ND	ND	0.030	0.030
Ni (mg/L)	0.5	0.188	0.252	0.310	0.240	0.199	0.088	0.045	0.045	ND	ND	0.358	0.445
Zn (mg/L)	0.5	0.013	0.010	0.010	0.015	0.010	0.010	0.063	0.063	ND	ND	0.011	0.011
TSS (mg/L)	15	2.450	3.850	3.400	2.000	2.000	2.000	2.600	2.600	ND	ND	2.150	2.400
Ra-226 (Bq/L)	0.37	NMR	0.009	NMR	NMR	0.007	NMR	NMR	NMR	ND	ND	0.016	NMR
pH low	≥6.0	7.4	7.2	7.3	8.0	7.8	7.2	7.7	7.7	ND	ND	7.9	7.7
pH high	≤9.5	7.9	7.5	7.7	8.7	8.2	7.6	8.1	8.1	ND	ND	8.5	8.6
Flow (m <sup>3</sup> /month)	—	20 421	11 984	5 220	89 056	9 765	3 605	1 733	1 733	ND	ND	59 562	59 218
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	NMR	ND	ND	1	NMR
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	NMR	ND	ND	1	NMR
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Croinor (Mine)												
Operator Name	Exploration Malartic-Sud Inc.												
Product(s)	Gold												
Address	1745, Chemin Sullivan, Val d'Or, Quebec J9P 1M8												
Effluent Discharge Point	Effluent final												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Doyon												
<b>Operator Name</b>	Cambior Inc.												
<b>Product(s)</b>	Gold												
<b>Address</b>	P.O. Box 970, Rouyn-Noranda, Quebec J9X 5C8												
<b>Effluent Discharge Point</b>	Effluent final du bassin A (D-203)												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sep.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	0.002	NMR	NMR	0.001	NMR	NMR	0.002	ND	ND	NMR	0.001	NMR
Cu (mg/L)	0.3	0.073	0.148	0.100	0.063	0.028	0.030	0.030	ND	ND	0.090	0.078	0.140
CN (mg/L)	1.0	0.033	0.249	0.343	0.226	0.063	0.025	0.015	ND	ND	0.034	0.073	0.181
Pb (mg/L)	0.2	0.001	NMR	NMR	0.001	NMR	NMR	0.001	ND	ND	NMR	0.001	NMR
Ni (mg/L)	0.5	0.060	0.050	0.046	0.068	0.074	0.038	0.010	ND	ND	0.070	0.076	0.058
Zn (mg/L)	0.5	0.040	0.020	0.056	0.048	0.010	0.013	0.010	ND	ND	0.035	0.022	0.023
TSS (mg/L)	15	9.900	12.600	9.360	14.400	8.640	6.500	7.400	ND	ND	11.000	13.800	12.250
Ra-226 (Bq/L)	0.37	0.004	NMR	NMR	0.009	NMR	NMR	0.004	ND	ND	NMR	0.002	NMR
pH low	≥6.0	6.6	6.9	6.6	6.6	6.9	8.1	7.6	ND	ND	7.1	6.6	7.3
pH high	≤9.5	7.0	7.8	7.1	8.3	8.3	8.3	7.9	ND	ND	8.3	7.8	9.1
Flow (m <sup>3</sup> /month)	–	416 841	355 704	226 508	458 632	419 614	450 678	202 781	ND	ND	108 807	423 911	424 776
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	ND	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	ND	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality      Fail: >50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Duck Pond Mine												
Operator Name	Aur Resources Inc.												
Product(s)	Copper-Zinc-Silver-Gold												
Address	30-32 Route 370, Box 9, Millertown, Newfoundland and Labrador A0H 1V0												
Effluent Discharge Point	Temporary Settling Pond Effluent												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.006	0.005
Cu (mg/L)	0.3	-	-	-	-	-	-	-	-	-	-	0.006	0.004
CN (mg/L)	1.0	-	-	-	-	-	-	-	-	-	-	NMR	NMR
Pb (mg/L)	0.2	-	-	-	-	-	-	-	-	-	-	0.007	0.005
Ni (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.002	0.002
Zn (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.041	0.018
TSS (mg/L)	15	-	-	-	-	-	-	-	-	-	-	190.000	55.800
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	-	-	-	-	0.020	0.012
pH low	≥6.0	-	-	-	-	-	-	-	-	-	-	7.5	7.5
pH high	≤9.5	-	-	-	-	-	-	-	-	-	-	7.5	7.9
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	-	-	-	-	3 461	11 454
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	-	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	-	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	--
<b>Comments:</b>	The mine became subject to the MMER on November 30, 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Eagle River Mill												
Operator Name	River Gold Mines Ltd.												
Product(s)	Gold												
Address	127 Mission Rd., P.O. Box 1520, Wawa, Ontario P0S 1K0												
Effluent Discharge Point	Eagle River Mill												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	0.010	0.038	0.046	0.015	0.005	0.003	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	0.026	0.038	0.032	0.023	0.034	0.033	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	0.114	0.082	0.084	0.070	0.040	0.035	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	0.002	0.001	0.001	0.001	0.001	0.001	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.007	0.011	0.009	0.006	0.006	0.006	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.013	0.005	0.004	0.005	0.008	0.005	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	2.000	2.000	2.200	2.000	2.000	2.000	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	0.010	0.010	0.010	0.010	NMR	NMR	ND
pH low	≥6.0	ND	ND	ND	ND	ND	6.7	7.0	6.9	7.1	6.9	6.7	ND
pH high	≤9.5	ND	ND	ND	ND	ND	7.0	7.7	7.6	7.5	7.1	6.9	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	26	6	57	110	683	150	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	1	1	1	1	1	-	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	1	1	1	1	1	-	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No toxicity test results were provided for November.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Eagle River Mine												
Operator Name		River Gold Mines Ltd.												
Product(s)		Gold												
Address		127 Mission Rd., P.O. Box 1520, Wawa, Ontario P0S 1K0												
Effluent Discharge Point		FDP 1												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)		0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)		0.3	0.009	0.004	0.004	0.005	0.005	0.005	0.002	0.005	0.002	0.005	0.006	0.003
CN (mg/L)		1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)		0.2	0.002	0.003	0.003	0.011	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)		0.5	0.005	0.004	0.004	0.005	0.004	0.003	0.002	0.002	0.002	0.002	0.003	0.003
Zn (mg/L)		0.5	0.016	0.013	0.014	0.018	0.012	0.016	0.003	0.007	0.008	0.011	0.008	0.013
TSS (mg/L)		15	19,000	17,000	19,200	26,000	11,600	2,750	3,200	4,200	2,600	7,660	3,600	6,800
Ra-226 (Bq/L)		0.37	NMR	NMR	0.010	NMR	0.010	NMR	NMR	NMR	0.010	0.010	NMR	NMR
pH low		≥6.0	7.4	7.6	6.9	7.2	7.2	7.6	7.9	7.2	7.2	7.0	6.8	7.0
pH high		≤9.5	7.6	7.8	7.9	8.0	7.7	7.9	8.1	7.8	7.5	7.8	7.3	7.4
Flow (m <sup>3</sup> /month)		-	21 065	21 581	23 231	35 242	25 166	24 715	30 368	31 025	20 826	23 560	30 342	32 686
Rainbow Trout		Pass	1	1	1	1	1	1	1	1	1	1	2	1
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	1	1	1	1	1	1	1	1	1	1	2	1
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
<b>Notes:</b>		ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
		Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
		A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Endako Mines												
Operator Name	Thompson Creek Mining Ltd.												
Product(s)	Molybdenum												
Address	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
Effluent Discharge Point	En.A1 – Tailings Pond 1 South												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Cu (mg/L)	0.3	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
CN (mg/L)	1.0	NMR	0.027	NMR	NMR	0.015	NMR	NMR	0.009	NMR	NMR	0.019	NMR
Pb (mg/L)	0.2	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Ni (mg/L)	0.5	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
Zn (mg/L)	0.5	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
TSS (mg/L)	15	4.500	4.040	3.500	3.675	3.760	3.800	3.250	3.000	3.075	4.725	3.300	5.150
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.005	NMR
pH low	≥6.0	7.8	7.7	7.9	7.9	7.9	8.0	8.0	8.0	8.1	7.9	7.9	7.7
pH high	≤9.5	8.1	8.0	8.1	8.1	8.1	8.2	8.1	8.3	8.1	8.0	8.1	8.0
Flow (m <sup>3</sup> /month)	–	114 282	107 839	132 060	127 650	119 288	120 615	126 984	126 393	116 265	131 758	120 462	137 966
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Endako Mines												
Operator Name	Thompson Creek Mining Ltd.												
Product(s)	Molybdenum												
Address	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
Effluent Discharge Point	En.H1 – Tailings Pond 2 Higginbotham												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.009	NMR
Cu (mg/L)	0.3	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
CN (mg/L)	1.0	NMR	0.065	NMR	NMR	0.061	NMR	NMR	0.062	NMR	NMR	0.060	NMR
Pb (mg/L)	0.2	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Ni (mg/L)	0.5	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
Zn (mg/L)	0.5	NMR	0.010	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
TSS (mg/L)	15	7.475	17930	10.380	24275	11.420	19800	12.500	13.100	12.700	8.900	13.900	16625
Ra-226 (Bq/L)	0.37	NMR	0.006	NMR	NMR	0.010	NMR	NMR	0.009	NMR	NMR	0.020	NMR
pH low	≥6.0	7.6	7.7	8.0	8.0	8.0	7.9	7.8	7.9	8.0	7.3	7.8	7.5
pH high	≤9.5	8.0	8.0	8.1	8.1	8.2	8.1	8.1	8.2	8.1	8.0	8.1	7.9
Flow (m <sup>3</sup> /month)	–	64 589	57 951	71 064	68 955	66 352	63 600	66 464	66 073	63 023	71 254	65 718	67 084
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
<p>Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Endako Mines												
Operator Name	Thompson Creek Mining Ltd.												
Product(s)	Molybdenum												
Address	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
Effluent Discharge Point	En.N1 – Tailings Pond 1 North												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	NMR	NMR	0.001	NMR
Cu (mg/L)	0.3	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	NMR	NMR	0.001	NMR
CN (mg/L)	1.0	0.024	0.026	0.017	0.015	0.010	0.009	0.005	0.008	NMR	NMR	0.025	NMR
Pb (mg/L)	0.2	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.001	NMR	NMR	0.001	NMR
Ni (mg/L)	0.5	0.005	0.005	0.005	0.005	0.005	0.005	0.025	0.005	NMR	NMR	0.005	NMR
Zn (mg/L)	0.5	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	NMR	NMR	0.005	NMR
TSS (mg/L)	15	3.000	3.050	3.000	3.375	3.220	3.850	3.300	3.380	3.000	4.225	3.020	3.000
Ra-226 (Bq/L)	0.37	NMR	0.005	NMR	NMR	0.008	NMR	NMR	0.005	NMR	NMR	0.005	NMR
pH low	≥6.0	7.9	7.8	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.1	8.0	7.8
pH high	≤9.5	8.0	8.1	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2	8.2	7.8
Flow (m <sup>3</sup> /month)	–	48 298	33 306	62 798	65 280	46 990	50 580	49 809	46 878	47 408	57 040	50 052	11 060
Rainbow Trout	Pass	1	1	1	1	1	1	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–

### Comments:

Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Endako Mines												
Operator Name	Thompson Creek Mining Ltd.												
Product(s)	Molybdenum												
Address	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
Effluent Discharge Point	En.S2 – Tailings Pond 2 South												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.004	NMR
Cu (mg/L)	0.3	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
CN (mg/L)	1.0	NMR	0.057	NMR	NMR	0.011	NMR	NMR	0.007	NMR	NMR	0.044	NMR
Pb (mg/L)	0.2	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Ni (mg/L)	0.5	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
Zn (mg/L)	0.5	NMR	0.010	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
TSS (mg/L)	15	6.000	3.300	3.060	3.075	3.160	3.000	3.300	3.100	3.000	3.000	3.000	3.000
Ra-226 (Bq/L)	0.37	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.010	NMR
pH low	≥6.0	7.5	7.8	8.0	7.9	8.1	8.0	7.9	7.9	7.6	7.8	7.9	7.3
pH high	≤9.5	8.1	8.0	8.1	8.1	8.2	8.2	8.1	8.3	8.1	8.1	8.1	8.0
Flow (m <sup>3</sup> /month)	-	55 645	59 145	107 099	89 475	71 033	71 963	67 882	65 081	67 298	78 446	69 780	67 448
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Endako Mines												
Operator Name	Thompson Creek Mining Ltd.												
Product(s)	Molybdenum												
Address	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
Effluent Discharge Point	En.SBC – Endako Pit												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Cu (mg/L)	0.3	NMR	0.001	NMR	NMR	0.002	NMR	NMR	0.002	NMR	NMR	0.002	NMR
CN (mg/L)	1.0	0.005	0.014	0.006	0.009	0.005	0.005	0.005	0.005	0.005	0.005	0.006	NMR
Pb (mg/L)	0.2	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Ni (mg/L)	0.5	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
Zn (mg/L)	0.5	NMR	0.010	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
TSS (mg/L)	15	4.000	3.100	4.000	3.375	3.000	3.000	3.000	3.100	3.000	3.725	3.560	3.175
Ra-226 (Bq/L)	0.37	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.007	NMR
pH low	≥6.0	8.0	7.9	8.1	8.1	8.2	8.1	8.1	8.1	8.1	8.0	8.0	7.8
pH high	≤9.5	8.2	8.1	8.2	8.2	8.2	8.3	8.2	8.3	8.2	8.1	8.1	8.0
Flow (m <sup>3</sup> /month)	–	110 662	109 424	108 671	79 800	71 839	67 898	71 029	80 315	62 978	75 834	65 850	61 419
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–

### Comments:

Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A “Pass” for *Daphnia magna* monitoring test is not a requirement.

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Endako Mines												
Operator Name	Thompson Creek Mining Ltd.												
Product(s)	Molybdenum												
Address	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
Effluent Discharge Point	En.W2 – Denak West Pit												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Eskay Creek Mine												
Operator Name	Barrick Gold Corporation												
Product(s)	Gold-Silver												
Address	P.O. Box 3908, Smithers, British Columbia V0J 2N0												
Effluent Discharge Point	Es.D7 – Treatment Pond Discharge Point												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.003	0.004	0.003	0.002	0.002
Cu (mg/L)	0.3	0.010	0.006	0.003	0.004	0.002	0.004	0.002	0.002	0.005	0.004	0.003	0.003
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.030	0.019	0.024	0.028	0.014	0.025	0.014	0.018	0.030	0.041	0.023	0.014
Ni (mg/L)	0.5	0.016	0.017	0.018	0.017	0.005	0.005	0.007	0.008	0.008	0.006	0.009	0.015
Zn (mg/L)	0.5	0.026	0.031	0.034	0.036	0.019	0.033	0.020	0.019	0.029	0.022	0.019	0.027
TSS (mg/L)	15	7.250	7.120	7.600	9.475	5.460	6.650	5.940	6.000	9.575	5.600	6.360	3.650
Ra-226 (Bq/L)	0.37	NMR	NMR	0.020	NMR	0.020	NMR	0.020	NMR	NMR	NMR	NMR	0.020
pH low	≥6.0	6.8	7.2	6.7	7.4	6.8	7.0	7.4	7.2	7.0	6.9	6.8	6.8
pH high	≤9.5	7.8	7.5	7.5	8.2	7.3	7.4	7.7	7.9	7.6	7.8	7.6	7.6
Flow (m <sup>3</sup> /month)	–	66 630	53 706	62 770	58 243	149 360	187 466	122 356	97 132	93 114	109 486	108 423	97 728
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Eskay Creek Mine												
Operator Name	Barrick Gold Corporation												
Product(s)	Gold-Silver												
Address	P.O. Box 3908, Smithers, British Columbia V0J 2N0												
Effluent Discharge Point	Es.TMI – Tom MacKay Discharge Point												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.004	0.004	0.004	0.004	0.001	<0.001	0.002	0.003	0.003	0.003	NMR	0.002
Cu (mg/L)	0.3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	NMR	0.001
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.002	0.002	0.002	0.002	0.007	0.002	0.004	0.003	0.003	0.002	NMR	0.001
Ni (mg/L)	0.5	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	NMR	0.001
Zn (mg/L)	0.5	0.005	0.006	0.006	0.005	0.008	0.005	0.006	0.006	0.006	0.006	NMR	0.005
TSS (mg/L)	15	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	-	3.000
Ra-226 (Bq/L)	0.37	NMR	NMR	0.010	NMR	0.005	NMR	0.005	NMR	NMR	-	NMR	NMR
pH low	≥6.0	7.1	7.4	7.5	7.5	7.1	7.0	7.0	7.3	6.4	7.7	-	7.5
pH high	≤9.5	8.0	7.6	7.8	8.6	7.5	7.5	7.7	7.5	7.4	7.8	-	7.5
Flow (m <sup>3</sup> /month)	-	309 805	322 523	230 602	387 597	2 169 469	3 355 430	2 125 150	627 048	992 321	1 409 508	-	308 284
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	-	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	-	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> Due to severe winter weather, the site was inaccessible from mid-October to mid-December, precluding the scheduled sampling for radium 226 and toxicity for October and TSS, pH and flow for November.													
<b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Eskay Creek Mine												
Operator Name	Barrick Gold Corporation												
Product(s)	Gold-Silver												
Address	P.O. Box 3908, Smithers, British Columbia V0J 2N0												
Effluent Discharge Point	Es.W20 – Albino Discharge Point												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.032	0.040	0.035	0.044	0.026	0.015	0.016	0.024	0.035	0.043	0.030	0.010
Cu (mg/L)	0.3	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.002	0.002	0.001	0.001	0.023	0.038	0.018	0.007	0.007	0.008	0.006	0.011
Ni (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Zn (mg/L)	0.5	0.008	0.005	0.006	0.005	0.014	0.015	0.008	0.005	0.006	0.005	0.006	0.013
TSS (mg/L)	15	3.000	3.000	3.000	3.000	4.320	6.175	3.800	3.000	4.500	3.250	3.000	3.000
Ra-226 (Bq/L)	0.37	NMR	NMR	0.006	NMR	0.020	NMR	0.007	NMR	NMR	NMR	NMR	0.010
pH low	≥6.0	7.0	7.3	7.1	7.3	7.2	7.2	7.2	7.4	7.4	7.3	7.1	7.0
pH high	≤9.5	7.7	7.5	7.9	8.2	7.5	7.9	7.7	7.7	7.6	7.9	7.9	7.7
Flow (m <sup>3</sup> /month)	–	22 766	20 031	17 237	42 607	248 486	266 717	85 795	35 528	84 067	78 624	95 247	33 673
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Flin Flon Complex															
Operator Name		Hudson Bay Mining and Smelting Co. Ltd.															
Product(s)		Copper-Lead-Zinc															
Address		P.O. Box 1500, Flin Flon, Manitoba R8A 1N9															
Effluent Discharge Point		North Weir Discharge															
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	0.5	0.006	0.010	0.013	0.006	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002				
Cu (mg/L)	0.3	0.015	0.031	0.015	0.086	0.019	0.008	0.006	0.004	0.005	0.012	0.022	0.020				
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR				
Pb (mg/L)	0.2	0.009	0.010	0.009	0.008	0.006	0.006	0.007	0.010	0.017	0.009	0.009	0.011				
Ni (mg/L)	0.5	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.004	0.009	0.003	0.002				
Zn (mg/L)	0.5	0.166	0.091	0.091	0.292	0.262	0.190	0.302	0.262	0.407	0.400	0.331	0.127				
TSS (mg/L)	15	1.500	3.000	2.700	5.625	2.500	2.500	2.500	2.560	2.500	2.500	2.500	2.500				
Ra-226 (Bq/L)	0.37	NMR	NMR	0.080	NMR	0.020	0.020	NMR	0.010	NMR	NMR	NMR	0.010				
pH low	≥6.0	7.9	6.9	7.7	6.4	7.0	7.2	6.9	6.9	7.1	6.4	6.5	7.2				
pH high	≤9.5	9.0	8.2	8.2	8.2	8.2	9.4	9.4	8.0	7.6	8.2	7.9	7.6				
Flow (m <sup>3</sup> /month)	-	924 125	982 024	1 121 600	1 758 490	1 391 366	1 371 500	1 380 594	1 696 799	1 972 700	1 168 892	894 556	1 144 055				
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1				
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Daphnia magna</i>	Pass	1	1	-	1	1	1	1	1	1	1	1	1				
Monitoring Test	Fail	-	-	1	-	-	-	-	-	-	-	-	-				
<b>Comments:</b>																	
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.																	

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Garson Mine												
Operator Name	Inco Ltd.												
Product(s)	Nickel-Copper-Cobalt-Platinum												
Address	60 Mine Road, Garson, Ontario P0M 1N0												
Effluent Discharge Point	Garson Mine												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.002	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Cu (mg/L)	0.3	0.003	0.003	0.003	0.005	0.003	0.003	0.003	0.004	0.002	0.005	0.003	0.004
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.031	0.033	0.030
Ni (mg/L)	0.5	0.071	0.078	0.045	0.046	0.046	0.029	0.021	0.047	0.055	0.061	0.102	0.117
Zn (mg/L)	0.5	0.011	0.010	0.010	0.010	0.010	0.010	0.010	0.011	0.010	0.010	0.010	0.010
TSS (mg/L)	15	2.000	2.000	2.320	2.250	2.000	2.080	2.150	2.000	2.050	2.450	2.440	2.050
Ra-226 (Bq/L)	0.37	0.032	0.031	0.013	0.010	0.019	0.068	0.047	0.043	0.035	0.049	0.052	0.042
pH low	≥6.0	6.6	6.7	7.0	7.3	8.2	7.1	8.4	8.6	8.6	7.9	7.4	6.9
pH high	≤9.5	7.2	7.1	8.4	8.3	8.4	8.6	8.7	9.0	9.3	9.0	8.4	7.6
Flow (m <sup>3</sup> /month)	—	77 531	86 352	67 462	132 668	94 364	59 790	91 806	52 130	74 985	68 696	77 874	64 340
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Géant Dormant (Mine)												
Operator Name		Cambior Inc.												
Product(s)		Gold												
Address		1075, 3rd Avenue Est, P.O. Box 9999, Val d'Or, Quebec J9P 6M1												
Effluent Discharge Point		GD-E01 Effluent final – bassin d'eau de mine												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)		0.5	NMR	NMR	0.002	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001
Cu (mg/L)		0.3	0.010	0.013	0.012	0.018	0.022	0.033	0.010	0.014	0.010	0.020	0.018	0.023
CN (mg/L)		1.0	NMR	NMR	0.018	NMR	NMR	0.017	NMR	NMR	0.013	NMR	NMR	0.032
Pb (mg/L)		0.2	0.001	0.001	0.001	0.001	0.001	0.004	0.001	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)		0.5	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.020	NMR	NMR	0.020
Zn (mg/L)		0.5	0.130	0.115	0.140	0.060	0.072	0.068	0.048	0.066	0.070	0.078	0.088	0.115
TSS (mg/L)		15	1.900	3.900	4.320	2.850	5.040	2.700	3.750	9.800	7.500	10.250	5.000	9.750
Ra-226 (Bq/L)		0.37	NMR	NMR	0.007	NMR	NMR	0.004	NMR	NMR	0.002	NMR	NMR	0.005
pH low		≥6.0	7.5	7.4	7.5	7.6	7.6	7.8	7.7	7.7	7.6	7.1	7.5	7.6
pH high		≤9.5	7.9	7.8	7.8	8.0	7.8	8.1	8.0	8.0	7.9	7.6	7.8	7.9
Flow (m <sup>3</sup> /month)		-	70 531	87 898	102 940	91 592	100 397	65 428	79 794	75 531	79 596	84 700	74 730	75 322
Rainbow Trout		Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	2
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	2
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Géant Dormant (Mine)												
Operator Name	Cambior Inc.												
Product(s)	Gold												
Address	1075, 3rd Avenue Est, P.O. Box 9999, Val d'Or, Quebec J9P 6M1												
Effluent Discharge Point	GD-E02 Effluent final – décanteur lamellaire												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	0.010	0.013	0.028	0.028	0.060
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	0.006	0.005	0.006	0.011	0.007
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	0.010	0.015	0.015	0.024	0.010
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	0.010	0.015	0.028	0.038	0.070
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	15.000	7.500	4.250	4.800	13.000
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	-	-	0.005	NMR	NMR
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	7.5	7.1	7.1	6.9	6.7
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	7.5	7.9	7.5	7.4	6.7
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	25 920	91 558	98 022	36 054	6 018
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	-	1	1	1	-
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	-	1	1	1	-
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No radium 226 test results were provided for the third quarter. No toxicity test results were provided for August and December.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Giant Mine															
Operator Name		Miramar Mining Corporation															
Product(s)		Gold															
Address		Giant Minesite Box 2951, Yellowknife, Northwest Territories X1A 2R2															
Effluent Discharge Point		Surveillance Network Program Station 43-1															
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.392	0.308	0.379	ND	ND	ND				
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	0.015	0.018	0.018	ND	ND	ND				
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	0.006	0.007	0.007	ND	ND	ND				
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	0.001	0.001	0.008	ND	ND	ND				
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.066	0.063	0.059	ND	ND	ND				
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.010	0.009	0.009	ND	ND	ND				
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	3.450	1.900	1.925	ND	ND	ND				
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	0.010	0.009	0.008	ND	ND	ND				
pH low	≥6.0	ND	ND	ND	ND	ND	ND	8.2	7.3	8.1	ND	ND	ND				
pH high	≤9.5	ND	ND	ND	ND	ND	ND	8.3	7.8	8.1	ND	ND	ND				
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	24 913	185 206	163 960	ND	ND	ND				
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND				
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND				
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<b>Comments:</b>																	
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.																	



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Golden Giant Mine												
Operator Name	Newmont Canada Ltd.												
Product(s)	Gold												
Address	Yellow Brick Road, Hwy. 17, P.O. Box 40, Marathon, Ontario P0T 2E0												
Effluent Discharge Point	Effluent Treatment Plant Final Effluent												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.002	0.002	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	0.006	0.010	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	0.016	0.026	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	0.005	0.005	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.185	0.230	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.010	0.017	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	1.500	1.330	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	NMR	0.010	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	6.9	6.8	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	7.1	7.0	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	86 009	107 198	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	1	1	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	1	1	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Haley Plant												
Operator Name	Timminco Ltd.												
Product(s)	Magnesium-Calcium-Strontium												
Address	962 Magnesium Road, Haley Station, Ontario K0J 1Y0												
Effluent Discharge Point	FDP 1												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Cu (mg/L)	0.3	NMR	0.001	NMR	NMR	0.002	NMR	NMR	0.001	NMR	NMR	0.002	NMR
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR
Ni (mg/L)	0.5	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
Zn (mg/L)	0.5	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR
TSS (mg/L)	15	2.000	2.000	2.800	2.000	2.600	5.250	3.500	5.000	3.500	6.000	4.400	3.750
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.020	NMR	NMR	0.010	NMR
pH low	≥6.0	7.3	7.4	7.4	7.4	7.5	7.4	7.4	7.3	7.4	7.1	7.5	7.1
pH high	≤9.5	7.6	7.5	7.5	7.5	7.7	7.7	7.7	7.6	7.7	7.5	7.8	7.6
Flow (m <sup>3</sup> /month)	-	35 286	42 803	51 045	71 392	66 449	75 908	53 212	49 798	35 415	45 609	43 950	61 124
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Holloway Mine												
<b>Operator Name</b>	Newmont Canada Ltd.												
<b>Product(s)</b>	Gold												
<b>Address</b>	Highway 101E, P.O. Box 279, Matheson, Ontario P0K 1N0												
<b>Effluent Discharge Point</b>	Final Discharge Point												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sep.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.004	0.003	0.003	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.010	0.020	0.010	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	0.008	0.008	0.016	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	0.001	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.025	0.013	0.017	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.030	0.018	0.013	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	5.000	12.250	9.330	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	0.004	0.004	0.002	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	7.3	7.7	7.8	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	7.7	8.1	7.9	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	480 029	1 780 770	184 063	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-

**Comments:**

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Huckleberry Mine											
Operator Name	Huckleberry Mines Ltd.											
Product(s)	Copper-Molybdenum-Gold-Silver											
Address	P.O. Box 3000, Houston, British Columbia V0J 1Z0											
Effluent Discharge Point	Hu.EZDD – East Zone Diversion Ditch											
Parameters	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Acute Lethality Test	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail
<i>Daphnia magna</i>	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Monitoring Test	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail	Fail
<b>Comments:</b>	FDP now routed to FDP Hu.SC4.											
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Fail: >50% Mortality
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.											

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Huckleberry Mine												
Operator Name	Huckleberry Mines Ltd.												
Product(s)	Copper-Molybdenum-Gold-Silver												
Address	P.O. Box 3000, Houston, British Columbia V0J 1Z0												
Effluent Discharge Point	Hu.SC3 – Sediment Control Structure 3												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.074	0.067	0.071	0.060	0.040	0.032	0.028	0.026	0.026	0.043	0.053	0.107
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	0.005	0.005	0.005	0.010	0.005	0.010	0.005	0.005	0.005	0.005	0.004	0.004
Zn (mg/L)	0.5	0.010	0.008	0.011	0.008	0.005	0.010	0.007	0.007	0.009	0.013	0.012	0.013
TSS (mg/L)	15	3.475	3.000	4.260	3.000	3.000	3.200	3.000	3.000	3.425	5.460	3.000	3.000
Ra-226 (Bq/L)	0.37	NMR	0.006	NMR	NMR	0.005	NMR	NMR	0.005	NMR	NMR	0.005	NMR
pH low	≥6.0	7.6	7.0	7.4	7.0	7.9	7.8	7.8	7.9	7.7	7.3	7.6	7.1
pH high	≤9.5	8.0	7.9	8.0	7.8	8.0	8.0	8.0	8.1	7.9	7.9	7.9	7.9
Flow (m <sup>3</sup> /month)	–	20 468	16 821	25 203	27 068	15 091	12 990	12 431	10 850	11 153	31 490	14 378	12 392
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	–	NMR	1	NMR	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	–	NMR	NMR	1	NMR	NMR	–	NMR	1	NMR	NMR
Monitoring Test	Fail	–	1	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b> No toxicity test results were provided for August due to sampling error. Flow measurements were corrected from the quarterly reports.													
<b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Huckleberry Mine												
Operator Name	Huckleberry Mines Ltd.												
Product(s)	Copper-Molybdenum-Gold-Silver												
Address	P.O. Box 3000, Houston, British Columbia V0J 1Z0												
Effluent Discharge Point	Hu.SC4 – Sediment Control Structure 4												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.004	0.001	0.002	0.004	ND	ND	ND	ND	0.001	0.003	ND
Cu (mg/L)	0.3	0.052	0.091	0.056	0.018	0.013	ND	ND	ND	ND	0.059	0.042	ND
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND	NMR	NMR	ND
Pb (mg/L)	0.2	0.001	0.001	0.001	0.001	0.001	ND	ND	ND	ND	0.001	0.001	ND
Ni (mg/L)	0.5	0.008	0.009	0.012	0.006	0.005	ND	ND	ND	ND	0.010	0.009	ND
Zn (mg/L)	0.5	0.011	0.018	0.016	0.005	0.005	ND	ND	ND	ND	0.021	0.012	ND
TSS (mg/L)	15	19.825	53.175	9.300	9.250	6.200	ND	ND	ND	ND	17.425	4.700	ND
Ra-226 (Bq/L)	0.37	NMR	0.005	NMR	NMR	0.005	ND	ND	ND	ND	NMR	0.005	ND
pH low	≥6.0	7.8	7.4	7.5	7.1	7.6	ND	ND	ND	ND	7.5	7.5	ND
pH high	≤9.5	8.0	7.9	7.8	7.8	8.0	ND	ND	ND	ND	7.9	7.9	ND
Flow (m <sup>3</sup> /month)	–	36 014	51 254	24 806	24 435	21 460	ND	ND	ND	ND	13 440	8 246	ND
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	ND	ND	ND	ND	1	NMR	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	ND	ND	ND	ND	1	NMR	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Iron Ore Company of Canada – Carol Project												
Operator Name	Iron Ore Company of Canada												
Product(s)	Iron												
Address	2 Avalon Drive, Labrador City, Newfoundland and Labrador A2V 2Y6												
Effluent Discharge Point	Beaver Bay Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.010	0.008	0.012	0.020	0.044	0.017	0.034	0.022	0.011	0.019	0.035	0.025
Cu (mg/L)	0.3	0.010	0.008	0.009	0.013	0.035	0.006	0.024	0.020	0.012	0.012	0.024	0.021
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.002	0.003	0.027	0.005	0.010	0.002	0.008	0.012	0.005	0.005	0.009	0.007
Ni (mg/L)	0.5	0.010	0.008	0.109	0.015	0.046	0.007	0.024	0.026	0.019	0.015	0.033	0.028
Zn (mg/L)	0.5	0.020	0.015	0.025	0.028	0.084	0.018	0.050	0.060	0.025	0.026	0.125	0.045
TSS (mg/L)	2 244	461.000	387.000	1 687.000	1 374.000	2 520.000	1 223.000	3 059.000	2 365.000	1 653.000	3 740.000	1 765.000	2 215.000
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	NMR	0.010	NMR	0.010	NMR	0.020	0.010	NMR
pH low	≥6.0	7.6	7.8	7.2	8.0	8.7	7.7	7.7	7.2	8.1	8.0	7.2	7.2
pH high	≤9.5	8.2	9.2	9.1	9.0	10.0	8.6	8.4	9.3	9.2	9.3	9.1	8.3
Flow (m <sup>3</sup> /month)	–	1 343 730	1 007 186	1 503 999	1 409 655	1 100 028	1 354 803	1 532 159	1 436 063	1 409 511	1 333 489	1 359 246	1 392 422
Rainbow Trout	Pass	NMR	1	NMR	NMR	NMR	1	1	1	NMR	1	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	NMR	1	1	1	NMR	1	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	Extended TA was granted for TSS limit of 2 244 mg/L. TA will expire on December 6, 2008.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Iron Ore Company of Canada – Carol Project												
Operator Name	Iron Ore Company of Canada												
Product(s)	Iron												
Address	2 Avalon Drive, Labrador City, Newfoundland and Labrador A2V 2Y6												
Effluent Discharge Point	Main Tailings Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.520	0.445	0.503	0.413	0.500	0.715	0.350	0.308	0.333	0.288	0.340	0.350
Cu (mg/L)	0.3	0.240	0.231	0.203	0.119	0.160	0.256	0.131	0.254	0.283	0.139	0.161	0.188
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.035	0.034	0.091	0.021	0.038	0.034	0.025	0.046	0.025	0.022	0.029	0.026
Ni (mg/L)	0.5	0.130	0.196	0.400	0.144	0.240	0.238	0.106	0.280	0.200	0.083	0.145	0.181
Zn (mg/L)	0.5	0.430	0.438	0.258	0.250	0.480	0.600	0.400	0.580	0.400	0.220	1.450	0.450
TSS (mg/L)	42 160	56 740 000	45 850 000	60 475 000	37 550 000	41 006 000	54 700 000	36 200 000	34 776 000	28 600 000	39 528 000	39 250 000	28 900 000
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	NMR	0.010	NMR	0.050	NMR	0.050	0.020	NMR
pH low	≥6.0	8.6	8.5	8.6	8.5	8.1	7.9	8.1	7.8	8.0	8.3	8.4	8.4
pH high	≤9.5	8.8	8.9	8.8	8.5	8.8	8.4	8.4	8.2	8.4	8.6	8.7	8.7
Flow (m <sup>3</sup> /month)	-	6 398 714	4 796 122	7 161 902	6 712 642	5 238 230	6 451 441	7 295 996	6 838 396	6 272 551	6 349 949	6 472 602	6 630 583
Rainbow Trout	Pass	NMR	1	NMR	NMR	NMR	1	1	1	NMR	1	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	NMR	1	1	1	NMR	1	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	Extended TA was granted for TSS limit of 42 160 mg/L. TA will expire on December 6, 2008.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												
		Pass: ≤50% Mortality											
		Fail: >50% Mortality											



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Iron Ore Company of Canada – Carol Poject												
Operator Name	Iron Ore Company of Canada												
Product(s)	Iron												
Address	2 Avalon Drive, Labrador City, Newfoundland and Labrador A2V 2Y6												
Effluent Discharge Point	MD5												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.001	ND	ND	ND	0.002	0.001	0.001	0.001	0.001	0.004	0.001	0.001
CN (mg/L)	1.0	NMR	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	<0.001	ND	ND	ND	0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001
Ni (mg/L)	0.5	0.003	ND	ND	ND	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.002
Zn (mg/L)	0.5	0.002	ND	ND	ND	0.004	0.004	0.002	0.002	0.002	0.003	0.002	0.002
TSS (mg/L)	15	5.000	ND	ND	ND	9.200	11.250	5.500	5.200	5.000	25.800	5.000	5.000
Ra-226 (Bq/L)	0.37	NMR	ND	ND	ND	NMR	0.010	NMR	0.010	NMR	0.010	0.010	0.010
pH low	≥6.0	7.3	ND	ND	ND	6.9	7.8	7.8	7.7	7.6	7.0	7.1	7.1
pH high	≤9.5	7.3	ND	ND	ND	7.5	8.2	8.0	8.0	7.7	7.8	7.6	7.6
Flow (m <sup>3</sup> /month)	–	32 625	ND	ND	ND	142 073	70 904	97 401	133 178	79 881	94 224	92 862	92 862
Rainbow Trout	Pass	–	ND	ND	ND	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	–	ND	ND	ND	1	1	1	1	1	1	1	1
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	No toxicity test results were provided for January.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Iron Ore Company of Canada – Carol Project												
Operator Name	Iron Ore Company of Canada												
Product(s)	Iron												
Address	2 Avalon Drive, Labrador City, Newfoundland and Labrador A2V 2Y6												
Effluent Discharge Point	Old Tailings Pumphouse Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.034	0.017	0.013	0.016	0.058	0.031	0.028	0.003	0.003	0.036	0.093	0.049
Cu (mg/L)	0.3	0.038	0.010	0.007	0.009	0.032	0.032	0.010	0.003	0.004	0.017	0.031	0.022
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.004	0.002	0.081	0.002	0.007	0.006	0.002	0.002	0.001	0.003	0.008	0.005
Ni (mg/L)	0.5	0.028	0.010	0.180	0.009	0.039	0.029	0.013	0.003	0.006	0.017	0.044	0.030
Zn (mg/L)	0.5	0.046	0.020	0.014	0.018	0.072	0.083	0.028	0.006	0.007	0.032	0.151	0.054
TSS (mg/L)	4 385	2 495.000	1 291.000	773.000	1 695.000	1 722.000	2 199.000	4 223.000	94.000	367.000	4 145.000	6 249.000	3 660.000
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	NMR	0.010	NMR	0.010	NMR	0.010	0.010	NMR
pH low	≥6.0	7.9	7.7	7.4	7.9	7.5	7.3	7.4	7.4	7.6	7.6	7.4	7.3
pH high	≤9.5	8.3	8.0	8.2	8.5	8.2	8.0	8.3	7.6	7.9	8.5	8.4	8.3
Flow (m <sup>3</sup> /month)	-	333 167	322 141	332 090	317 299	402 852	311 561	258 628	319 685	288 423	345 093	285 970	316 914
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	Extended TA was granted for TSS limit of 4 385 mg/L. TA will expire on December 6, 2008.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												
		Pass: ≤50% Mortality											
		Fail: >50% Mortality											

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Iron Ore Company of Canada – Carol Project												
Operator Name	Iron Ore Company of Canada												
Product(s)	Iron												
Address	2 Avalon Drive, Labrador City, Newfoundland and Labrador A2V 2Y6												
Effluent Discharge Point	Ore Car Flume												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.220	0.208	0.178	0.218	0.230	0.323	0.195	0.156	0.183	0.156	0.185	0.233
Cu (mg/L)	0.3	0.120	0.098	0.105	0.084	0.111	0.133	0.075	0.104	0.127	0.100	0.078	0.104
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.014	0.018	0.013	0.014	0.021	0.015	0.014	0.020	0.015	0.016	0.015	0.018
Ni (mg/L)	0.5	0.088	0.083	0.090	0.071	0.136	0.080	0.070	0.136	0.133	0.085	0.080	0.110
Zn (mg/L)	0.5	0.216	0.175	0.105	0.150	0.280	0.300	0.213	0.240	0.233	0.176	0.720	0.265
TSS (mg/L)	15 850	17 930.000	12 928.000	22 675.000	20 128.000	14 894.000	15 975.000	15 940.000	16 660.000	17 567.000	19 153.000	13 525.000	17 200.000
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	NMR	0.010	NMR	0.010	NMR	0.020	0.010	NMR
pH low	≥6.0	8.2	8.0	8.2	8.4	8.2	8.1	8.2	8.0	7.8	8.1	7.9	8.1
pH high	≤9.5	9.0	8.4	8.8	8.8	8.8	8.4	8.5	8.3	8.4	8.8	8.8	8.7
Flow (m <sup>3</sup> /month)	–	3 028 790	2 928 557	3 018 362	2 884 540	3 662 288	2 832 374	2 400 175	2 906 230	2 443 359	3 137 211	2 599 731	2 881 035
Rainbow Trout	Pass	NMR	1	NMR	NMR	NMR	1	1	1	NMR	1	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	NMR	1	1	1	NMR	1	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	Extended TA was granted for TSS limit of 15 850 mg/L. TA will expire on December 6, 2008. Flow measurement for July was obtained from the quarterly report.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.												
	Pass: ≤50% Mortality	Fail: >50% Mortality											

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Joe Mann											
Operator Name		Resources Meston Inc.											
Product(s)		Gold-Copper											
Address		P.O. Box 8000, Chibougamau, Quebec G8P 2L1											
Effluent Discharge Point		Effluent du bassin de polissage point 10											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.010	0.013	0.013	0.020	0.016	0.013	0.013	0.010	0.010	0.010	0.010	0.018
CN (mg/L)	1.0	0.016	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	0.010	NMR	NMR
Pb (mg/L)	0.2	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.001
Ni (mg/L)	0.5	0.010	0.010	0.015	0.018	0.018	0.013	0.015	0.010	0.013	0.022	0.015	0.020
Zn (mg/L)	0.5	0.014	0.010	0.028	0.025	0.018	0.010	0.013	0.012	0.013	0.018	0.010	0.025
TSS (mg/L)	15	2.080	1.450	1.000	2.900	2.480	2.500	8.750	5.200	3.750	6.000	2.000	2.750
Ra-226 (Bq/L)	0.37	0.002	NMR	NMR	NMR	NMR	0.005	0.002	NMR	NMR	0.002	NMR	NMR
pH low	≥6.0	7.5	7.7	7.9	7.7	8.0	8.2	8.4	8.2	7.5	7.3	7.5	7.8
pH high	≤9.5	7.8	7.9	8.1	8.0	8.4	8.6	8.6	8.5	8.2	8.1	8.1	8.0
Flow (m <sup>3</sup> /month)	-	81 691	75 600	75 330	111 585	138 425	116 282	96 869	93 655	73 440	109 017	105 624	97 762
Rainbow Trout	Pass	1	NMR	NMR	NMR	NMR	1	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	NMR	NMR	1	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Kemess South Mine												
Operator Name	Northgate Minerals Corporation												
Product(s)	Gold-Copper												
Address	P.O. Box 3519, Smithers, British Columbia V0J 2N0												
Effluent Discharge Point	KS.WQ14 – Runoff												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	NMR	<0.001	NMR	<0.001	NMR	<0.001	<0.001	<0.001	NMR	0.001	NMR
Cu (mg/L)	0.3	NMR	NMR	0.001	NMR	0.002	NMR	0.001	0.001	0.001	NMR	0.001	NMR
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	NMR	NMR	<0.001	NMR	<0.001	NMR	0.001	<0.001	<0.001	NMR	<0.001	NMR
Ni (mg/L)	0.5	NMR	NMR	0.001	NMR	0.001	NMR	0.001	0.001	0.001	NMR	0.001	NMR
Zn (mg/L)	0.5	NMR	NMR	0.001	NMR	0.002	NMR	0.003	0.004	0.002	NMR	0.002	NMR
TSS (mg/L)	15	3.075	3.000	3.000	10.825	4.680	3.250	3.280	3.200	3.000	3.730	3.120	3.075
Ra-226 (Bq/L)	0.37	NMR	NMR	0.005	NMR	0.010	NMR	NMR	0.005	NMR	NMR	0.010	NMR
pH low	≥6.0	8.1	8.2	8.2	7.9	8.0	8.1	7.6	8.1	8.1	8.1	7.6	7.2
pH high	≤9.5	8.2	8.4	8.3	8.3	8.2	8.3	8.3	8.3	8.3	8.2	8.2	8.1
Flow (m <sup>3</sup> /month)	–	5 441	4 900	7 676	177 578	344 069	162 053	77 760	70 699	40 512	81 550	45 210	21 204
Rainbow Trout	Pass	NMR	NMR	1	NMR	1	NMR	1	1	NMR	NMR	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	1	NMR	1	1	NMR	NMR	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Kemess South Mine												
Operator Name	Northgate Minerals Corporation												
Product(s)	Gold-Copper												
Address	P.O. Box 3519, Smithers, British Columbia V0J 2N0												
Effluent Discharge Point	KS.WQBXL – Sedimentation Pond Decant												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	<0.001	<0.001	<0.001	<0.001	0.001	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	0.002	0.002	0.002	0.002	0.002	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	0.002	0.003	0.001	0.002	0.002	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	3.000	3.720	3.000	3.000	3.675	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	NMR	0.005	NMR	NMR	0.005	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	7.9	8.0	8.2	7.9	8.2	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	7.9	8.2	8.2	8.3	8.3	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	81	14 545	4 515	1 566	630	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	–	1	1	1	1	ND	ND	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	–	1	1	1	1	ND	ND	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b> No toxicity test results were provided for April since the mine reported discharge of effluent during only 3 days in April.													
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Key Lake Operation												
Operator Name	Cameco Corporation												
Product(s)	Uranium												
Address	2121-11 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7M 1J3												
Effluent Discharge Point	Station 1.2 – Dewatering Discharge to Horsefly Lake												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	< 0.001	< 0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cu (mg/L)	0.3	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	0.006	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
Ni (mg/L)	0.5	0.022	0.024	0.030	0.024	0.019	0.023	0.031	0.023	0.024	0.022	0.022	0.029
Zn (mg/L)	0.5	< 0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
TSS (mg/L)	15	0.280	0.150	0.175	0.125	0.100	0.200	0.125	0.340	0.350	< 0.100	0.125	0.125
Ra-226 (Bq/L)	0.37	< 0.010	0.010	0.013	0.018	0.012	0.010	0.013	0.012	0.010	< 0.010	0.013	0.013
pH low	≥6.0	6.7	7.1	7.2	7.1	7.0	7.0	7.2	6.8	7.0	6.7	6.9	6.6
pH high	≤9.5	7.0	7.4	7.3	7.4	7.4	7.5	7.3	7.2	7.3	7.3	7.3	7.0
Flow (m <sup>3</sup> /month)	–	213 078	195 400	192 355	208 697	209 736	202 830	198 440	195 595	194 002	201 290	205 718	218 495
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	NMR
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	1	1	NMR
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	The mine is on reduced frequency testing for acute lethality since December 2005.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Key Lake Operation												
Operator Name	Cameco Corporation												
Product(s)	Uranium												
Address	2121-11 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7M 1J3												
Effluent Discharge Point	Station 1.4 – Mill Effluent to Wolf Lake												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.008	0.011	0.006	0.007	0.008	0.008	0.007	0.009	0.010	0.007	0.008	0.007
Cu (mg/L)	0.3	0.007	0.006	0.005	0.007	0.005	0.006	0.005	0.008	0.008	0.005	0.005	0.006
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.010	<0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Ni (mg/L)	0.5	0.050	0.075	0.050	0.034	0.039	0.065	0.054	0.081	0.094	0.132	0.084	0.098
Zn (mg/L)	0.5	0.023	0.007	0.007	0.005	0.012	0.007	0.008	0.017	0.072	0.015	0.011	0.006
TSS (mg/L)	15	1.400	1.500	2.000	2.000	2.200	2.300	2.100	2.000	1.100	1.900	1.600	2.800
Ra-226 (Bq/L)	0.37	0.060	0.080	0.110	0.100	0.040	0.050	0.060	0.060	0.070	0.050	0.070	0.140
pH low	≥6.0	6.1	6.1	6.0	6.0	6.1	6.2	6.1	6.3	6.3	6.3	6.2	6.5
pH high	≤9.5	6.7	6.8	6.7	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.9	6.8
Flow (m <sup>3</sup> /month)	-	119 014	85 643	144 000	184 456	210 000	184 550	154 482	134 304	146 261	159 334	145 977	8 281
Rainbow Trout	Pass	1	1	1	1	1	1	1	2	1	1	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	2	1	1	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	The mine is on reduced frequency testing for acute lethality since December 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												
		Pass: ≤50% Mortality											
		Fail: >50% Mortality											



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Kidd Metallurgical Division											
Operator Name		Falconbridge Ltd.											
Product(s)		Zinc-Copper-Silver-Lead-Cadmium											
Address		10050 Highway 101 East, P.O. Bag 2002, Hoyle Township, Timmins, Ontario P4N 7K1											
Effluent Discharge Point		Final Effluent Monitoring Point											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.001	0.004	0.001	0.001	0.001	0.002	0.002	0.003	0.001	0.001	0.001
Cu (mg/L)	0.3	0.016	0.016	0.024	0.012	0.007	0.008	0.006	0.005	0.006	0.007	0.006	0.008
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	0.004	0.004	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	< 0.001	< 0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.002	0.003	0.002
Ni (mg/L)	0.5	0.003	0.003	0.005	0.002	0.002	0.003	0.002	0.003	0.002	0.002	0.002	0.002
Zn (mg/L)	0.5	0.245	0.222	0.201	0.035	0.024	0.018	0.013	0.016	0.023	0.025	0.080	0.063
TSS (mg/L)	15	1.800	1.500	1.750	1.750	1.200	2.250	1.750	1.400	2.160	1.400	2.000	1.000
Ra-226 (Bq/L)	0.37	NMR	0.000	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR
pH low	≥6.0	7.4	7.4	7.4	7.0	7.7	7.8	7.5	7.4	7.7	7.6	7.0	7.5
pH high	≤9.5	8.1	8.0	8.3	8.6	8.9	9.0	8.9	8.6	8.6	8.8	8.2	8.5
Flow (m <sup>3</sup> /month)	—	826 210	803 320	865 288	3 347 400	1 540 638	1 130 775	771 203	275 543	949 300	1 501 702	1 647 090	1 463 200
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	2	4	1	1	1
Acute Lethality Test	Fail	—	—	—	—	—	—	—	3	—	—	—	—
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	2	4	1	1	1
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:**

Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Kidd Mining Division											
Operator Name		Falconbridge Ltd.											
Product(s)		Zinc-Copper-Silver-Lead-Cadmium											
Address		Highway 655, P.O. Bag 2002, Timmins, Ontario P4N 7K1											
Effluent Discharge Point		Treatment Pond Final Effluent											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-	0.001	0.001	0.001
Cu (mg/L)	0.3	0.023	0.028	0.023	0.009	0.010	0.009	0.005	0.004	-	0.012	0.018	0.012
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-	0.002	0.002	0.002
Ni (mg/L)	0.5	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002	-	0.002	0.002	0.002
Zn (mg/L)	0.5	0.245	0.259	0.154	0.028	0.013	0.051	0.104	0.111	-	0.125	0.083	0.076
TSS (mg/L)	15	1.000	1.000	1.000	1.250	1.000	1.000	1.330	1.000	-	2.000	1.000	1.000
Ra-226 (Bq/L)	0.37	0.010	0.010	0.010	0.010	NMR	NMR	0.010	NMR	-	0.010	NMR	NMR
pH low	≥6.0	7.4	7.7	7.4	7.4	7.2	7.4	7.4	7.4	-	7.4	7.5	7.5
pH high	≤9.5	7.9	7.8	7.8	7.6	7.1	7.8	7.7	7.7	-	7.9	7.8	7.6
Flow (m <sup>3</sup> /month)	-	163 013	96 895	104 531	648 835	252 549	81 789	44 908	56 992	1 781	356 874	377 020	221 469
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	-	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	-	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>		For the month of September, effluent discharge occurred only on September 1. Because the mine collected a weekly sample on August 31, no sample was collected on September 1.											
<b>Notes:</b>	<b>ND: No Deposit</b>	<b>NMR: No Measurement Required</b>										<b>Pass: ≤50% Mortality</b>	<b>Fail: &gt;50% Mortality</b>
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Kiena (Mine)												
Operator Name	Mines d'Or Wesdome Ltée												
Product(s)	Gold												
Address	950, Chemin Kienawisik, C.P. 268, Val d'Or, Quebec J9P 4P3												
Effluent Discharge Point	Effluent final												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.001	0.001	0.002	ND	ND	ND	0.001	0.001	0.002
Cu (mg/L)	0.3	ND	ND	ND	0.025	0.024	0.044	ND	ND	ND	0.017	0.028	0.040
CN (mg/L)	1.0	ND	ND	ND	0.003	0.014	0.007	ND	ND	ND	0.008	0.007	0.016
Pb (mg/L)	0.2	ND	ND	ND	0.002	0.001	0.001	ND	ND	ND	0.001	0.001	0.001
Ni (mg/L)	0.5	ND	ND	ND	0.024	0.046	0.040	ND	ND	ND	0.003	0.032	0.037
Zn (mg/L)	0.5	ND	ND	ND	0.025	0.016	0.010	ND	ND	ND	0.001	0.006	0.017
TSS (mg/L)	15	ND	ND	ND	10.130	4.800	2.400	ND	ND	ND	5.500	4.750	4.660
Ra-226 (Bq/L)	0.37	ND	ND	ND	0.004	0.003	0.005	ND	ND	ND	0.004	0.003	0.003
pH low	≥6.0	ND	ND	ND	7.0	7.5	7.7	ND	ND	ND	7.2	7.0	7.0
pH high	≤9.5	ND	ND	ND	7.8	8.0	7.7	ND	ND	ND	7.7	7.7	7.2
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	135 552	248 533	76 608	ND	ND	ND	20 117	83 549	18 043
Rainbow Trout	Pass	ND	ND	ND	1	1	–	ND	ND	ND	1	1	1
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	1	1	–	ND	ND	ND	1	1	1
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	No toxicity test results were provided for June; the test was scheduled on day of no flow.												
<b>Notes:</b>	ND: No Deposit      MMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Konuto Lake Mine													
Operator Name	Hudson Bay Mining and Smelting Co. Ltd.													
Product(s)	Copper-Zinc-Gold-Silver-Selenium-Tellurium													
Address	P.O. Box 1500, Flin Flon, Manitoba R8A 1N9													
Effluent Discharge Point	Surface Sump Discharge													
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	
As (mg/L)	0.5	0.003	0.003	0.001	0.002	0.006	0.001	0.001	0.001	0.001	0.001	0.001	0.004	ND
Cu (mg/L)	0.3	0.068	0.061	0.090	0.111	0.094	0.060	0.040	0.052	0.078	0.061	0.049	0.049	ND
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND
Pb (mg/L)	0.2	0.022	0.012	0.011	0.008	0.012	0.008	0.006	0.008	0.011	0.008	0.006	0.006	ND
Ni (mg/L)	0.5	0.009	0.007	0.006	0.004	0.005	0.004	0.004	0.004	0.004	0.003	0.003	0.003	ND
Zn (mg/L)	0.5	0.420	0.205	0.199	0.139	0.222	0.150	0.132	0.200	0.236	0.167	0.146	0.146	ND
TSS (mg/L)	25	7.500	5.250	8.600	10.750	26.600	22.250	12.250	4.900	3.125	4.250	2.500	2.500	ND
Ra-226 (Bq/L)	0.37	NMR	NMR	0.010	NMR	NMR	0.005	NMR	NMR	0.010	0.010	NMR	NMR	ND
pH low	≥6.0	7.3	7.3	7.5	7.6	8.4	8.4	7.3	7.1	7.2	7.4	7.7	7.7	ND
pH high	≤9.5	7.6	7.7	7.8	7.9	9.2	8.9	7.8	7.3	7.3	7.9	7.7	7.7	ND
Flow (m <sup>3</sup> /month)	-	5 538	2 309	1 692	4 486	5 000	3 831	2 430	2 386	3 021	492	100	100	ND
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	1	1	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> Extended TA was granted for TSS limit of 25 mg/L. TA will expire on December 6, 2008. No toxicity test results were provided for November.														
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality	
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Lac des Iles Mine												
Operator Name	Lac des Iles Mines Ltd.												
Product(s)	Pladium-Platinum-Gold-Copper-Nickel-Cobalt												
Address	P.O. Box 10547, Thunder Bay, Ontario P7B 6T9												
Effluent Discharge Point	FDP 1												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	0.001	<0.001	0.001	0.001	0.002	0.001	0.001	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	0.002	0.001	0.002	0.001	0.001	0.001	0.002	ND
CN (mg/L)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	<0.001	<0.001	<0.001	0.001	0.001	0.001	0.001	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	0.018	0.024	0.036	0.009	0.011	0.011	0.021	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	0.005	0.007	0.004	0.003	0.003	0.003	0.004	ND
TSS (mg/L)	15	ND	ND	ND	ND	5.660	8.000	2.660	4.360	2.500	2.500	3.440	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	-	-	-	-	-	-	-	ND
pH low	≥6.0	ND	ND	ND	ND	6.8	7.7	6.7	6.9	6.9	7.9	7.5	ND
pH high	≤9.5	ND	ND	ND	ND	7.8	7.7	8.0	8.0	7.9	7.9	8.0	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	69 794	1 844	51 820	59 126	65 196	65 196	62 333	ND
Rainbow Trout	Pass	ND	ND	ND	ND	1	-	1	1	1	1	-	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	1	-	1	1	1	1	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-

**Comments:** Effluent was discharged on June 1 only. No toxicity test results were provided for the month of June: the acute lethality test could not be conducted as it was less than 15 days after the previous acute lethality test (para. 14(2)(b) of the MMER) and therefore would have been invalid. No radium 226 test results were provided for the second, third and fourth quarters.

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Laronde (Mine)												
Operator Name	Mines Agnico-Eagle Ltée												
Product(s)	Gold-Silver-Copper-Zinc												
Address	20 Route 395, Cadillac, Quebec J0Y 1C0												
Effluent Discharge Point	Effluent final 3A												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.007	0.003	0.012	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.002
Cu (mg/L)	0.3	0.064	0.054	0.078	0.062	0.061	0.065	0.075	0.092	0.105	0.084	0.085	0.081
CN (mg/L)	1.0	0.284	0.165	0.098	0.025	0.046	0.103	0.007	0.005	0.014	0.004	0.005	0.004
Pb (mg/L)	0.2	0.003	0.014	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
Ni (mg/L)	0.5	0.020	0.028	0.010	0.010	0.007	0.005	0.067	0.064	0.060	0.050	0.049	0.077
Zn (mg/L)	0.5	0.060	0.065	0.121	0.060	0.077	0.044	0.099	0.093	0.066	0.069	0.082	0.091
TSS (mg/L)	15	6.725	2.300	2.780	6.750	14.240	14.750	28.750	33.400	34.500	21.500	7.820	4.825
Ra-226 (Bq/L)	0.37	0.003	NMR	NMR	0.005	NMR	NMR	0.014	NMR	NMR	0.011	NMR	NMR
pH low	≥6.0	7.2	7.4	6.9	7.2	8.3	6.7	6.9	7.3	7.2	7.5	7.3	7.2
pH high	≤9.5	7.6	7.7	7.7	8.0	8.5	8.9	8.4	8.3	8.8	7.8	7.6	7.8
Flow (m <sup>3</sup> /month)	-	82 584	69 149	85 084	111 888	104 190	124 632	126 666	122 492	105 840	161 262	177 379	146 084
Rainbow Trout	Pass	2	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	2	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	1	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Lockerby Mine													
Operator Name	Falconbridge Ltd. / First Nickel Incorporated													
Product(s)	Copper-Nickel-Cobalt													
Address	N1-2, Lot 2, Concession 5, PCL 454, SWS Denison Township, Whitefish, Ontario P0M 3E0													
Effluent Discharge Point	Number 4 Pond Effluent													
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	
As (mg/L)	0.5	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.004	0.001	0.001
Cu (mg/L)	0.3	0.003	0.003	0.003	0.005	0.005	0.006	0.005	0.004	0.005	0.005	0.005	0.007	0.013
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	0.070	0.097	0.069	0.047	0.066	0.055	0.036	0.024	0.020	0.029	0.035	0.035	0.085
Zn (mg/L)	0.5	0.005	0.007	0.005	0.003	0.003	0.003	0.008	0.005	0.006	0.004	0.004	0.004	0.014
TSS (mg/L)	15	1.225	1.150	1.640	0.725	0.580	2.540	1.000	1.040	1.160	1.000	1.000	1.000	1.250
Ra-226 (Bq/L)	0.37	NMR	0.030	NMR	NMR	0.020	NMR	NMR	0.030	NMR	0.030	NMR	NMR	NMR
pH low	≥6.0	6.8	7.2	7.4	7.3	7.1	7.3	7.4	7.4	7.3	7.6	7.6	7.1	6.6
pH high	≤9.5	7.5	7.8	7.7	7.8	7.7	7.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5
Flow (m <sup>3</sup> /month)	—	51 981	40 025	43 810	75 715	71 221	55 140	50 933	56 358	56 160	47 988	47 160	42 191	
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>	The ownership of Lockerby Mine was transferred from Falconbridge Ltd. to First Nickel Incorporated on June 1, 2005.													
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required												
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality      Fail: >50% Mortality												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Louvicourt (Mine)												
Operator Name	Les Ressources Aur Inc.												
Product(s)	Copper-Zinc-Silver-Gold												
Address	5999, 3 <sup>rd</sup> Avenue East, Val-d'Or, Quebec J9P 6V2												
Effluent Discharge Point	Effluent final du bassin de polissage (EF-BP)												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.002	0.003	0.002	0.003	0.002	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	0.010	0.011	0.018	0.012	0.013	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	<0.001	<0.001	<0.001	<0.001	<0.001	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.003	0.010	0.012	0.006	0.005	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.019	0.018	0.008	0.013	0.035	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	2.130	7.100	7.775	6.660	5.400	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	NMR	0.003	0.003	0.002	NMR	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	6.8	7.3	6.8	6.9	8.4	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	7.9	8.8	7.5	8.9	8.7	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	71 331	271 678	175 372	175 067	108 421	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	1	1	1	1	-	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	1	-	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> No toxicity test results were provided for November; the test was scheduled on day of no flow.													
<b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Louvicourt (Mine)												
Operator Name	Les Ressources Aur Inc.												
Product(s)	Copper-Zinc-Silver-Gold												
Address	5999 3 <sup>rd</sup> Avenue East, Val-d'Or, Quebec J9P 6V2												
Effluent Discharge Point	Fosse No. 3												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	-	0.002	ND	0.002
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.044	0.029	ND	0.059
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NMR	NMR	ND	NMR
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	-	0.001	ND	0.001
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	-	0.006	ND	0.003
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.414	0.088	ND	0.480
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	-	0.900	ND	1.200
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	-	0.005	ND	0.002
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	7.2	8.6	ND	9.0
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	7.2	8.8	ND	9.1
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	600	55 255	ND	56 720
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	-	1	ND	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	-	1	ND	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-

**Comments:** This site became subject to the MMER on September 22, 2005.

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Lupin Operations												
Operator Name	Kinross Gold Corporation												
Product(s)	Gold												
Address	9818 International Airport, Edmonton, Alberta T5J 2T2												
Effluent Discharge Point	Lupin Discharge Syphons SNP 925-10												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.009	0.010	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	0.018	0.014	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	0.042	0.034	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	<0.001	<0.001	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.096	0.099	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	0.255	0.261	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	3.290	2.450	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	0.007	0.015	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	6.3	5.7	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	7.3	6.4	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	1 006 681	675 454	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> No toxicity test results were provided.													
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Macassa Mine												
Operator Name	Kirkland Lake Gold Inc.												
Product(s)	Gold												
Address	P.O. Box 370, Kirkland Lake, Ontario P2N 3J1												
Effluent Discharge Point	C Dam												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.005	0.002	0.001	0.002	0.002
Cu (mg/L)	0.3	0.007	0.007	0.006	0.009	0.006	0.010	0.007	0.009	0.011	0.005	0.014	0.018
CN (mg/L)	1.0	0.016	0.017	0.015	0.020	0.018	0.017	0.012	0.028	0.017	0.015	0.156	0.100
Pb (mg/L)	0.2	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.003	0.003	0.010	0.012
Zn (mg/L)	0.5	0.015	0.023	0.023	0.017	0.009	0.005	0.007	0.047	0.020	0.006	0.008	0.014
TSS (mg/L)	15	3.000	3.750	3.000	3.000	3.600	3.000	3.000	3.000	3.250	3.000	3.000	3.000
Ra-226 (Bq/L)	0.37	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	0.010	NMR
pH low	≥6.0	8.0	7.8	8.2	8.1	8.2	8.3	7.3	8.0	8.0	8.2	8.0	8.1
pH high	≤9.5	8.6	8.5	8.3	8.5	8.4	8.4	8.3	8.5	8.3	8.3	8.4	8.2
Flow (m <sup>3</sup> /month)	–	169 704	156 900	162 240	237 796	364 039	246 067	168 857	159 578	71 568	103 751	255 294	125 988
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Magnacon Mine (part of Eagle River Mill)												
Operator Name	River Gold Mines Ltd.												
Product(s)	Gold												
Address	127 Mission Rd., P.O. Box 1520, Wawa, Ontario P0S 1K0												
Effluent Discharge Point	Magnacon Mine												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

# Metal Mining Effluent Regulations (MMER)

## 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Malartic (Usine)												
<b>Operator Name</b>	Ministère des Ressources naturelles et de la Faune du Québec												
<b>Product(s)</b>	Gold												
<b>Address</b>	400 Boulevard Lamaque, Val d'Or, Quebec J9P 3L4												
<b>Effluent Discharge Point</b>	Effluent final E1												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sep.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	ND	ND	ND	< 0.001	< 0.001	ND	ND	ND	ND	< 0.001	< 0.001	< 0.001
Cu (mg/L)	0.3	ND	ND	ND	0.030	0.020	ND	ND	ND	ND	0.025	0.028	0.030
CN (mg/L)	1.0	ND	ND	ND	< 0.005	< 0.005	ND	ND	ND	ND	< 0.005	< 0.005	< 0.008
Pb (mg/L)	0.2	ND	ND	ND	0.003	< 0.001	ND	ND	ND	ND	< 0.002	< 0.001	< 0.002
Ni (mg/L)	0.5	ND	ND	ND	0.010	0.080	ND	ND	ND	ND	0.040	0.028	0.045
Zn (mg/L)	0.5	ND	ND	ND	0.020	0.040	ND	ND	ND	ND	0.030	0.036	0.075
TSS (mg/L)	15	ND	ND	ND	2.800	2.800	ND	ND	ND	ND	5.000	3.800	5.000
Ra-226 (Bq/L)	0.37	ND	ND	ND	-	-	ND	ND	ND	ND	-	-	-
pH low	≥6.0	ND	ND	ND	7.6	7.8	ND	ND	ND	ND	6.4	6.6	7.2
pH high	≤9.5	ND	ND	ND	7.6	7.8	ND	ND	ND	ND	7.3	7.4	7.3
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	16 056	63 936	ND	ND	ND	ND	386 208	921 888	486 144
Rainbow Trout	Pass	ND	ND	ND	-	-	ND	ND	ND	ND	-	-	-
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	-	-	ND	ND	ND	ND	-	-	-
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No radium 226 and no toxicity test results were provided.												
<b>Notes:</b>	ND: No Deposit	MMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												
	Pass: ≤50% Mortality	Fail: >50% Mortality											

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Matagami (Mine) (Bell Allard)												
Operator Name	Falconbrdge Ltd.												
Product(s)	Zinc-Copper												
Address	500 Boulevard Industriel, Matagami, Quebec J0Y 2A0												
Effluent Discharge Point	Décharge du lac Watson												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.002	0.001	0.001	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.001
Cu (mg/L)	0.3	0.005	0.009	0.011	0.020	0.012	0.008	0.002	0.009	0.006	0.026	0.007	0.021
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	0.001	0.002	0.001	0.007	0.001	0.001	0.002	0.001	0.001	0.001	0.002
Ni (mg/L)	0.5	0.010	0.011	0.007	0.027	0.023	0.010	0.009	0.009	0.026	0.030	0.006	0.026
Zn (mg/L)	0.5	0.011	0.027	0.072	0.142	0.111	0.026	0.021	0.011	0.018	0.080	0.214	0.070
TSS (mg/L)	15	1.850	2.100	3.680	5.100	3.050	4.200	5.750	2.600	3.750	7.250	4.400	3.250
Ra-226 (Bq/L)	0.37	0.002	NMR	NMR	NMR	0.002	NMR	0.002	NMR	NMR	0.002	NMR	NMR
pH low	≥6.0	9.1	8.9	9.0	9.0	7.6	7.9	7.8	7.9	7.5	8.2	7.5	9.0
pH high	≤9.5	9.5	9.1	9.2	9.3	9.0	8.8	8.2	8.9	8.7	9.2	9.2	9.1
Flow (m <sup>3</sup> /month)	-	456 012	381 336	444 249	1 155 027	729 770	389 072	107 660	112 784	119 118	749 023	682 312	482 060
Rainbow Trout	Pass	1	NMR	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	McAlpine Mill												
Operator Name	SMC (Canada) Ltd.												
Product(s)	Gold-Silver-Platinum-Palladium												
Address	Lot 4, Concession 4, P.O. Box 710, Coleman Road, Cobalt, Ontario P0J 1C0												
Effluent Discharge Point	Polishing Pond												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.272	0.445	0.315	0.318	0.336	0.393	0.593	0.400	0.238	0.406	0.608	0.170
Cu (mg/L)	0.3	0.005	0.005	0.005	0.007	0.005	0.005	0.005	0.005	0.005	0.006	0.008	0.006
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Ni (mg/L)	0.5	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Zn (mg/L)	0.5	0.010	0.010	0.010	0.010	0.012	0.010	0.010	0.010	0.010	0.010	0.010	0.010
TSS (mg/L)	15	2.200	2.000	2.500	3.250	3.200	2.500	4.500	6.600	7.750	4.800	3.500	2.750
Ra-226 (Bq/L)	0.37	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	-	-	-
pH low	≥6.0	7.8	7.8	7.9	8.7	8.8	8.8	7.8	8.3	8.2	8.6	8.3	8.1
pH high	≤9.5	8.4	8.3	8.7	9.0	9.0	8.9	8.8	8.4	8.4	9.0	9.0	8.8
Flow (m <sup>3</sup> /month)	-	19 596	13 522	14 196	220 968	75 226	4 859	11 769	16 416	17 444	30 283	104 026	73 881
Rainbow Trout	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No radium 226 test results were provided for the last quarter of 2005.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		McArthur River Operation												
Operator Name		Cameco Corporation												
Product(s)		Uranium												
Address		2121-11 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7M 1J3												
Effluent Discharge Point		Station 2.1												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.005	0.004	0.004	0.007	0.005	0.005	0.004	0.003	0.004	0.004	0.006	0.001
Cu	(mg/L)	0.3	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CN	(mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb	(mg/L)	0.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Ni	(mg/L)	0.5	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Zn	(mg/L)	0.5	0.011	0.012	0.013	0.008	0.008	0.007	0.005	0.005	0.005	0.005	0.005	0.005
TSS	(mg/L)	15	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Ra-226	(Bq/L)	0.37	0.060	0.040	0.060	0.080	0.090	0.090	0.070	0.050	0.040	0.040	0.050	0.060
pH low		≥6.0	6.8	6.7	6.6	6.7	7.0	6.7	6.5	6.4	7.2	6.8	6.9	7.0
pH high		≤9.5	7.3	7.4	7.3	7.4	7.5	7.4	7.6	7.5	7.5	7.5	7.5	7.7
Flow (m <sup>3</sup> /month)		-	143 550	126 394	145 904	147 930	145 850	141 759	159 262	205 988	180 893	147 954	213 349	196 757
Rainbow Trout		Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														



# Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	McArthur River Operation												
Operator Name	Cameco Corporation												
Product(s)	Uranium												
Address	2121-11 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7M 1J3												
Effluent Discharge Point	Station 2.7												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	0.002	0.004	0.005	0.004	0.001	0.001	0.001	ND	ND	ND	ND	ND
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	0.032	0.029	0.029	0.018	0.012	0.009	0.009	ND	ND	ND	ND	ND
TSS (mg/L)	15	1.000	1.000	1.000	1.500	1.000	1.250	1.000	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	0.050	0.048	0.053	0.048	0.052	0.058	0.055	ND	ND	ND	ND	ND
pH low	≥6.0	6.8	6.6	6.6	6.8	7.3	7.0	6.8	ND	ND	ND	ND	ND
pH high	≤9.5	6.9	6.8	6.9	7.1	7.5	7.3	7.1	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	–	48 001	49 095	45 433	53 449	55 160	51 708	52 156	ND	ND	ND	ND	ND
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	NMR	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	ND	ND	ND	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–

**Comments:**

Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A “Pass” for *Daphnia magna* monitoring test is not a requirement.

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	McClean Lake Operation												
Operator Name	Cogema Resources Inc.												
Product(s)	Uranium												
Address	P.O. Box 9204, 817-45 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7K 3X5												
Effluent Discharge Point	CM01-B (JEB Water Treatment Plant)												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.019	0.019	0.018	0.017	0.014	0.014	0.014	0.015	0.014	0.009	0.020	0.018
Cu (mg/L)	0.3	0.002	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.003	0.003	0.003
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	< 0.001	0.001	0.003	0.002	0.003	0.003	0.003	0.003	0.005	0.004	0.005	0.004
Ni (mg/L)	0.5	0.024	0.022	0.018	0.016	0.017	0.018	0.031	0.021	0.036	0.042	0.032	0.026
Zn (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.002	0.003
TSS (mg/L)	15	1.000	2.000	2.000	2.000	2.000	1.000	2.000	2.000	2.000	2.000	2.000	2.000
Ra-226 (Bq/L)	0.37	0.006	0.011	0.013	0.007	0.013	0.007	0.009	0.007	0.009	0.009	0.010	0.006
pH low	≥6.0	7.0	7.0	7.1	6.9	6.9	6.7	6.9	6.6	6.6	6.8	6.7	7.0
pH high	≤9.5	8.3	8.1	7.9	7.6	7.7	7.6	7.7	7.5	7.6	7.8	7.6	7.6
Flow (m <sup>3</sup> /month)	-	118 701	125 133	137 950	141 582	138 912	136 217	132 584	152 550	141 560	155 679	132 829	121 431
Rainbow Trout	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	McClellan Lake Operation												
Operator Name	Cogema Resources Inc.												
Product(s)	Uranium												
Address	P.O. Box 9204, 817-45 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7K 3X5												
Effluent Discharge Point	CM03												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	McClean Lake Operation												
Operator Name	Cogema Resources Inc.												
Product(s)	Uranium												
Address	P.O. Box 9204, 817-45 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7K 3X5												
Effluent Discharge Point	SC01 (SUE Water Treatment Plant Effluent)												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.003	0.003	0.003	0.005	0.010	0.014	0.010	0.004	0.003	0.001	0.008	0.016
Cu (mg/L)	0.3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.001	0.001	0.002	0.003	0.006	0.009	0.004	0.003	0.004	0.003	0.005	0.003
Ni (mg/L)	0.5	0.052	0.045	0.045	0.050	0.057	0.049	0.013	0.008	0.006	0.007	0.008	0.021
Zn (mg/L)	0.5	0.002	0.001	0.002	0.002	0.002	0.003	0.003	0.001	0.001	0.001	0.001	0.001
TSS (mg/L)	15	1.000	2.000	2.000	3.000	6.000	7.000	5.000	3.000	4.000	3.000	4.000	3.000
Ra-226 (Bq/L)	0.37	0.022	0.027	0.036	0.037	0.044	0.042	0.040	0.016	0.016	0.012	0.011	0.012
pH low	≥6.0	7.1	7.3	7.2	7.3	7.3	7.4	7.2	7.4	7.2	6.7	6.7	7.1
pH high	≤9.5	9.4	7.9	8.4	8.0	8.2	7.9	8.1	7.7	7.6	7.8	7.8	7.6
Flow (m <sup>3</sup> /month)	-	170 098	210 233	222 245	231 847	275 826	202 540	111 057	166 981	198 451	253 618	244 555	249 635
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Mishi Pit (part of Eagle River Mill)												
Operator Name	River Gold Mines Ltd.												
Product(s)	Gold												
Address	127 Mission Rd., P.O. Box 1520, Wawa, Ontario P0S 1K0												
Effluent Discharge Point	Mishi Pit												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Montcalm Project											
Operator Name		Falconbridge Ltd.											
Product(s)		Nickel-Copper-Cobalt											
Address		c/o P.O. Box 2002, Hwy. 655 North, Timmins, Ontario P4N 7K1											
Effluent Discharge Point		Montcalm Final Effluent											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	0.005	0.005	0.005	0.005	0.005	0.005	ND	0.005	0.005	0.005
Cu (mg/L)	0.3	ND	ND	0.008	0.004	0.003	0.004	0.004	0.004	ND	0.005	0.003	0.002
CN (mg/L)	1.0	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	ND	NMR	NMR	NMR
Pb (mg/L)	0.2	ND	ND	0.004	0.002	<0.001	0.001	<0.001	<0.001	ND	<0.001	<0.001	<0.001
Ni (mg/L)	0.5	ND	ND	0.074	0.018	0.012	0.012	0.011	0.011	ND	0.013	0.013	0.012
Zn (mg/L)	0.5	ND	ND	0.068	0.019	0.020	0.034	0.052	0.074	ND	0.031	0.011	0.014
TSS (mg/L)	15	ND	ND	4.000	2.900	2.000	2.000	2.000	2.080	ND	2.000	2.000	2.000
Ra-226 (Bq/L)	0.37	ND	ND	0.010	0.010	0.010	0.010	NMR	0.010	ND	0.010	0.010	0.010
pH low	≥6.0	ND	ND	7.0	6.8	7.2	6.9	7.3	7.0	ND	6.3	7.2	7.2
pH high	≤9.5	ND	ND	7.3	7.5	7.9	7.3	7.9	7.5	ND	7.8	7.9	7.8
Flow (m <sup>3</sup> /month)	-	ND	ND	27 145	58 406	44 714	17 562	15 400	19 502	ND	60 798	71 875	38 088
Rainbow Trout	Pass	ND	ND	4	4	1	1	1	1	ND	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	2	3	1	1	1	1	ND	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Mont-Wright (Mine)												
Operator Name		Compagnie minière Québec Cartier												
Product(s)		Iron												
Address		P.O. Box 1817, Mont-Wright, Quebec G0G 1J0												
Effluent Discharge Point		Point HS-1												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu	(mg/L)	0.3	0.001	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.002	0.019	0.003	0.002
CN	(mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb	(mg/L)	0.2	0.003	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001
Ni	(mg/L)	0.5	0.029	0.026	0.017	0.012	0.007	0.005	0.004	0.003	0.007	0.011	0.007	0.007
Zn	(mg/L)	0.5	0.013	0.015	0.019	0.008	0.009	0.005	0.004	0.007	0.012	0.015	0.025	0.011
TSS	(mg/L)	15	1.000	1.250	2.000	9.250	9.400	6.000	3.750	5.200	3.750	7.250	1.200	1.000
Ra-226	(Bq/L)	0.37	NMR	0.040	NMR	NMR	0.010	NMR	NMR	NMR	0.010	0.010	NMR	NMR
pH low		≥6.0	6.9	6.8	6.7	6.7	6.8	6.9	7.7	7.6	7.6	7.2	7.2	7.2
pH high		≤9.5	7.1	7.0	6.8	6.9	7.0	7.7	8.2	7.9	7.8	7.5	7.4	7.2
Flow	(m <sup>3</sup> /month)	-	1 202 304	911 232	1 142 486	6 005 880	13 135 766	8 959 320	4 983 312	4 214 611	1 924 740	4 191 138	2 470 608	1 054 806
Rainbow Trout		Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Mont-Wright (Mine)												
Operator Name		Compagnie minière Québec Cartier												
Product(s)		Iron												
Address		P.O. Box 1817, Mont-Wright, Québec G0G 1J0												
Effluent Discharge Point		Point MS-2												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	-	-	-	-	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-
Cu	(mg/L)	0.3	-	-	-	-	0.001	0.001	0.004	0.001	0.001	0.001	0.001	-
CN	(mg/L)	1.0	-	-	-	-	NMR	NMR	NMR	NMR	NMR	NMR	NMR	-
Pb	(mg/L)	0.2	-	-	-	-	0.001	0.001	0.001	0.001	0.001	0.001	0.010	-
Ni	(mg/L)	0.5	-	-	-	-	0.026	0.020	0.019	0.020	0.018	0.019	0.029	-
Zn	(mg/L)	0.5	-	-	-	-	0.013	0.009	0.012	0.010	0.014	0.014	0.010	-
TSS	(mg/L)	15	-	-	-	-	5.000	3.500	3.500	3.600	1.750	3.500	5.000	-
Ra-226	(Bq/L)	0.37	-	-	-	-	0.010	NMR	NMR	NMR	0.020	0.010	NMR	-
pH low		≥6.0	-	-	-	-	6.5	6.6	7.1	6.8	7.1	6.8	6.7	-
pH high		≤9.5	-	-	-	-	6.7	7.6	7.7	7.1	7.3	6.9	6.7	-
Flow	(m <sup>3</sup> /month)	-	-	-	-	-	51 376	62 460	42 780	49 550	58 680	85 560	17 604	-
Rainbow Trout		Pass	-	-	-	-	1	1	1	1	1	1	1	-
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	-	-	-	-	1	1	1	1	1	1	1	-
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>		Pursuant to section 25 of the MMER, analytical results for January, February, March, April and December were not provided since access to the site was impossible.												
<b>Notes:</b>		ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
		Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Mouska (Mine)												
<b>Operator Name</b>	Cambior Inc.												
<b>Product(s)</b>	Gold												
<b>Address</b>	P.O. Box 9999, 1075 3 <sup>rd</sup> Ave East, Val-d'Or, Quebec J9P 6M1												
<b>Effluent Discharge Point</b>	Effluent final												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sep.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR
Cu (mg/L)	0.3	0.015	0.020	0.016	0.023	0.014	0.035	0.010	0.016	0.013	0.018	0.018	0.023
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.006	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR	0.001	NMR	NMR
Ni (mg/L)	0.5	0.015	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.020	NMR	NMR
Zn (mg/L)	0.5	0.078	0.018	0.036	0.018	0.014	0.015	0.025	0.016	0.013	0.015	0.016	0.018
TSS (mg/L)	15	4.300	4.400	4.880	5.675	5.920	6.350	2.950	4.400	4.250	4.250	4.400	4.000
Ra-226 (Bq/L)	0.37	0.005	NMR	NMR	0.003	NMR	NMR	0.005	NMR	NMR	0.009	NMR	NMR
pH low	≥6.0	7.7	7.8	7.5	7.8	7.6	7.8	7.8	7.3	7.6	7.5	7.4	7.7
pH high	≤9.5	7.8	7.8	7.9	8.1	7.9	7.9	7.9	7.8	7.9	8.0	7.9	7.9
Flow (m <sup>3</sup> /month)	—	60 659	54 740	58 038	62 100	66 340	62 100	67 425	65 534	61 890	71 207	64 020	69 192
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Musselwhite Mine												
Operator Name		Placer Dome Canada Ltd.												
Product(s)		Gold												
Address		P.O. Box 7500, Thunder Bay, Ontario P7B 6S8												
Effluent Discharge Point		FDP 1												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	ND	ND	ND	ND	ND	0.003	0.003	0.003	0.003	0.002	ND	ND
Cu	(mg/L)	0.3	ND	ND	ND	ND	0.004	0.005	0.005	0.005	0.004	0.005	ND	ND
CN	(mg/L)	1.0	ND	ND	ND	ND	0.009	0.014	0.014	0.011	0.012	0.017	ND	ND
Pb	(mg/L)	0.2	ND	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	0.001	ND	ND
Ni	(mg/L)	0.5	ND	ND	ND	ND	0.005	0.005	0.005	0.005	0.005	0.005	ND	ND
Zn	(mg/L)	0.5	ND	ND	ND	ND	0.010	0.010	0.010	0.010	0.010	0.010	ND	ND
TSS	(mg/L)	15	ND	ND	ND	ND	2.100	2.000	2.000	2.131	2.000	2.292	ND	ND
Ra-226	(Bq/L)	0.37	ND	ND	ND	ND	0.007	0.006	0.006	0.338	0.006	0.005	ND	ND
pH low		≥6.0	ND	ND	ND	ND	7.4	6.8	6.8	7.4	6.5	7.0	ND	ND
pH high		≤9.5	ND	ND	ND	ND	7.9	7.9	7.9	7.8	7.8	7.9	ND	ND
Flow	(m <sup>3</sup> /month)	-	ND	ND	ND	ND	253 606	672 072	672 072	642 024	495 465	416 063	ND	ND
Rainbow Trout		Pass	ND	ND	ND	ND	1	1	1	1	1	1	ND	ND
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	ND	ND	ND	ND	1	1	1	1	1	1	ND	ND
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Myra Falls Operations												
Operator Name	NVI Mining Ltd.												
Product(s)	Copper-Zinc-Lead-Gold-Silver												
Address	P.O. Box 8000, Campbell River, British Columbia V9W 5E2												
Effluent Discharge Point	MF.11A – Runoff Myra Ponds Effluent												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
Cu (mg/L)	0.3	0.050	0.047	0.012	0.024	0.035	0.018	0.020	0.050	0.055	0.064	0.045	0.035
CN (mg/L)	1.0	NMR	NMR	0.025	0.005	NMR	NMR	NMR	NMR	0.005	NMR	0.005	NMR
Pb (mg/L)	0.2	0.008	0.006	0.004	0.005	0.006	0.002	0.007	0.057	0.004	0.009	0.003	0.003
Ni (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002
Zn (mg/L)	0.5	0.432	0.302	0.155	0.205	0.235	0.178	0.238	0.699	0.376	0.531	0.227	0.192
TSS (mg/L)	15	6.575	6.430	7.660	5.150	10.100	4.725	6.425	26.200	4.700	7.325	5.420	5.300
Ra-226 (Bq/L)	0.37	NMR	NMR	0.005	0.005	NMR	NMR	NMR	NMR	0.005	NMR	0.005	NMR
pH low	≥6.0	8.6	8.8	9.0	8.5	8.4	8.8	9.2	8.6	7.5	8.7	8.6	8.6
pH high	≤9.5	9.3	9.4	9.4	9.1	9.0	9.5	9.5	9.7	9.0	9.2	9.2	9.1
Flow (m <sup>3</sup> /month)	–	1 341 576	938 808	1 100 754	1 415 856	1 322 353	1 013 544	902 760	891 500	792 559	1 221 164	1 247 977	1 360 551
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	1	1	–	–	1	–	–	–	–	–	–	–
Monitoring Test	Fail	–	–	1	1	–	1	1	1	1	1	1	1

### Comments:

Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A “Pass” for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Nanisivik Mine											
Operator Name		CanZinco Ltd.											
Product(s)		Zinc-Lead-Silver											
Address		P.O. Box 225, Nanisivik, Nunavut X0A 0X0											
Effluent Discharge Point		Twin Lakes Creek Discharge (159-4)											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	0.001	0.002	0.002	0.002	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	0.002	0.005	0.006	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	NMR	NMR	NMR	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	0.002	0.003	0.007	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.007	0.013	0.019	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.058	0.093	0.111	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	0.660	1.790	1.080	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	0.030	0.022	0.045	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	7.7	7.2	7.6	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	9.4	9.2	8.1	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	92 686	687 131	275 216	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<b>Notes:</b>	<p>ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	New Britannia Mine												
Operator Name	Kinross Gold Corporation												
Product(s)	Gold												
Address	P.O. Box 451, 114 Cedar Street, Snow Lake, Manitoba R0B 1M0												
Effluent Discharge Point	SWM03 (Birch Lake Outlet Embankment Decant Discharge)												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	0.169	0.123	0.121	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	0.034	0.029	0.029	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	0.014	0.014	0.010	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	0.007	0.004	0.001	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	0.049	0.042	0.041	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	0.018	0.035	0.010	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	6.200	5.000	6.000	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	0.080	0.097	0.130	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	7.1	7.1	7.4	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	7.5	7.4	7.4	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	ND	ND	240 263	531 851	21 644	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Niobec (Mine)												
Operator Name	Cambior Inc.												
Product(s)	Niobium												
Address	3400 chemin du Columbiun, St-Honoré de Chicoutimi, Quebec G0V 1L0												
Effluent Discharge Point	Effluent final												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	NMR	NMR	0.005	NMR	0.002	0.002	NMR	NMR	0.002	NMR	NMR
Cu (mg/L)	0.3	0.006	0.013	0.006	0.007	0.006	0.006	0.006	NMR	NMR	0.006	NMR	NMR
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	0.006	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.008	0.009	0.007	0.012	0.007	0.007	0.007	NMR	NMR	0.007	NMR	NMR
Ni (mg/L)	0.5	0.023	0.021	0.028	0.018	0.023	0.020	0.024	NMR	NMR	0.029	NMR	NMR
Zn (mg/L)	0.5	0.038	0.028	0.028	0.030	0.038	0.024	0.025	0.058	0.118	0.160	0.112	0.093
TSS (mg/L)	15	7.750	12.000	9.200	10.750	13.500	12.400	10.000	7.000	5.750	7.000	14.800	10.750
Ra-226 (Bq/L)	0.37	0.024	0.043	0.042	0.052	0.074	0.084	0.079	0.071	0.040	0.031	0.030	0.064
pH low	≥6.0	7.1	6.8	7.2	7.2	7.2	7.6	7.7	7.5	7.5	7.5	6.9	7.2
pH high	≤9.5	8.4	7.4	7.5	7.7	7.8	7.8	7.9	7.7	7.7	7.7	7.8	7.6
Flow (m <sup>3</sup> /month)	-	90 582	146 209	174 642	415 275	370 915	289 104	223 487	341 186	279 225	193 347	308 280	371 768
Rainbow Trout	Pass	1	1	1	1	1	1	1	1	1	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	-	1	1	1	-	1	1	1	1	NMR	NMR
Monitoring Test	Fail	-	1	-	-	-	1	-	-	-	-	-	-
<b>Comments:</b>	The mine has been on reduced frequency testing for acute lethality since November 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												
		Pass: ≤50% Mortality											
		Fail: >50% Mortality											

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Nugget Pond Mine												
Operator Name	Richmont Mines Inc. – Newfoundland Division												
Product(s)	Gold												
Address	P.O. Box 580, Baie Verte, Newfoundland and Labrador A0K 1B0												
Effluent Discharge Point	Polishing Pond Effluent												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	0.001	ND	0.001	0.001	ND	0.001	ND	0.001	0.001	ND
Cu (mg/L)	0.3	ND	ND	0.010	ND	0.013	0.009	ND	0.009	ND	0.008	0.009	ND
CN (mg/L)	1.0	ND	ND	0.008	ND	0.001	0.005	ND	0.014	ND	0.003	0.007	ND
Pb (mg/L)	0.2	ND	ND	0.010	ND	0.002	0.003	ND	0.002	ND	0.002	0.002	ND
Ni (mg/L)	0.5	ND	ND	0.010	ND	0.001	0.001	ND	0.001	ND	0.001	< 0.001	ND
Zn (mg/L)	0.5	ND	ND	0.010	ND	0.003	0.021	ND	0.003	ND	0.003	0.015	ND
TSS (mg/L)	15	ND	ND	2.000	ND	2.000	2.000	ND	2.000	ND	2.000	2.000	ND
Ra-226 (Bq/L)	0.37	ND	ND	0.010	ND	0.010	0.010	ND	0.010	ND	0.010	NMR	ND
pH low	≥6.0	ND	ND	6.8	ND	6.1	6.8	ND	6.7	ND	7.0	6.8	ND
pH high	≤9.5	ND	ND	7.0	ND	6.2	6.8	ND	6.7	ND	7.0	6.8	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	177 500	ND	177 500	88 750	ND	88 750	ND	88 750	88 750	ND
Rainbow Trout	Pass	ND	ND	1	ND	1	1	ND	–	ND	1	1	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	1	ND	–	1	ND	–	ND	1	1	ND
Monitoring Test	Fail	–	–	–	–	1	–	–	–	–	–	–	–

**Comments:** The missing nickel value for November was provided from the regional office. No toxicity test results were provided for August. The sample arrived too late at the laboratory.

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A “Pass” for *Daphnia magna* monitoring test is not a requirement.

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Polaris Mine												
Operator Name	Cominco Mining Partnership and Teck Cominco Metals Ltd.												
Product(s)	Lead-Zinc												
Address	610 Knighton Road, Bag 2000, Kimberley, British Columbia V1A 3E1												
Effluent Discharge Point	Garrow Lake Siphons												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	<0.001	<0.001	<0.001	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	0.001	<0.001	0.001	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	0.005	0.013	0.005	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	<0.001	0.001	0.001	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.001	0.001	0.003	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.014	0.025	0.056	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	3.000	3.200	3.625	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	0.005	0.006	0.008	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	8.0	7.5	7.7	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	8.0	7.7	8.1	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	58 061	143 540	374 218	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	-	1	1	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	-	1	1	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> No toxicity test results were provided for June.													
<b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Porcupine Joint Venture												
Operator Name	Placer Dome (CLA) Ltd. and Kimross Gold Corporation												
Product(s)	Gold												
Address	1 Gold Mine Road, P.O. Box 70, South Porcupine, Ontario P0N 1H0												
Effluent Discharge Point	Mine Effluent Treatment Plant – Dome Mine												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	0.006	0.005	0.009	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	0.101	0.023	0.057	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	0.022	0.018	0.036	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	0.005	0.005	0.005	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.075	0.025	0.043	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.050	0.005	0.011	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	4.900	4.875	3.660	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	0.010	0.010	NMR	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	7.5	7.1	7.4	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	7.6	8.0	8.3	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	429 936	1 006 802	314 169	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Porcupine Joint Venture												
Operator Name	Placer Dome (CLA) Ltd. and Kinross Gold Corporation												
Product(s)	Gold												
Address	1 Gold Mine Road, P.O. Box 70, South Porcupine, Ontario P0N 1H0												
Effluent Discharge Point	Mine Water Storage Pond – Dome Mine												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.009	0.025	0.008	0.019	0.017	0.022	0.006	0.013	0.009	0.020	0.022	0.014
Cu (mg/L)	0.3	0.005	0.009	0.005	0.005	0.005	0.015	0.005	0.005	0.005	0.006	0.005	0.005
CN (mg/L)	1.0	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005
Pb (mg/L)	0.2	0.005	0.005	0.005	0.005	0.007	0.016	0.005	0.005	0.005	0.005	0.005	0.005
Ni (mg/L)	0.5	0.020	0.026	0.019	0.021	0.019	0.028	0.012	0.018	0.016	0.025	0.027	0.023
Zn (mg/L)	0.5	0.018	0.021	0.015	0.006	0.005	0.019	0.006	0.007	0.006	0.014	0.011	0.011
TSS (mg/L)	15	4.120	7.025	6.300	3.125	3.720	7.950	6.475	5.780	5.500	3.380	5.675	7.250
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR
pH low	≥6.0	7.0	7.6	7.8	6.4	7.9	7.5	7.9	7.8	7.5	7.8	7.3	8.0
pH high	≤9.5	7.9	7.8	8.0	7.6	8.0	8.2	8.1	8.1	8.0	8.1	8.2	8.1
Flow (m <sup>3</sup> /month)	-	44 962	52 675	54 452	73 710	43 394	38 962	36 627	40 669	41 143	50 995	92 287	37 479
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Porcupine Joint Venture												
Operator Name	Placer Dome (CLA) Ltd. and Kinross Gold Corporation												
Product(s)	Gold												
Address	1 Gold Mine Road, P.O. Box 70, South Porcupine, Ontario P0N 1H0												
Effluent Discharge Point	Owl Creek Discharge 1												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.089	0.094	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	0.005	0.005	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	0.005	0.005	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	0.005	0.005	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	0.070	0.071	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	0.024	0.021	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	1.000	2.940	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	0.010	MMR	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	7.7	7.7	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	7.7	8.3	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	16 800	101 720	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Porcupine Joint Venture												
Operator Name	Placer Dome (CLA) Ltd. and Kinross Gold Corporation												
Product(s)	Gold												
Address	1 Gold Mine Road, P.O. Box 70, South Porcupine, Ontario P0N 1H0												
Effluent Discharge Point	Owl Creek Discharge 2												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Principale (Camchib)												
Operator Name	Ressources Campbell Inc.												
Product(s)	Gold-Copper												
Address	P.O. Box 8000, Chibougamau, Quebec G8P 2L1												
Effluent Discharge Point	Point 20												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Rabbit Lake Operation												
Operator Name	Cameco Corporation												
Product(s)	Uranium												
Address	2121-11 <sup>th</sup> Street West, Saskatoon, Saskatchewan S7M 1J3												
Effluent Discharge Point	Station 2.3.3												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.012	0.013	0.014	0.011	0.016	0.015	0.014	0.009	0.012	0.011	0.013	0.012
Cu (mg/L)	0.3	0.002	0.003	0.003	0.001	0.001	0.002	0.002	0.002	0.003	0.002	0.002	0.002
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Ni (mg/L)	0.5	0.035	0.015	0.013	0.014	0.019	0.026	0.025	0.033	0.031	0.027	0.050	0.039
Zn (mg/L)	0.5	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
TSS (mg/L)	15	1.600	1.750	2.250	1.250	1.600	2.250	1.500	1.400	2.250	2.400	1.500	1.750
Ra-226 (Bq/L)	0.37	0.021	0.022	0.016	0.010	0.006	0.005	0.008	0.005	0.008	0.017	0.015	0.028
pH low	≥6.0	7.0	6.8	7.0	7.1	7.4	7.1	6.8	6.6	6.6	6.6	7.2	7.1
pH high	≤9.5	7.4	7.4	7.2	7.3	7.7	7.6	7.2	6.9	7.1	7.4	7.4	7.4
Flow (m <sup>3</sup> /month)	-	240 000	204 231	247 760	301 791	345 466	354 798	388 784	354 796	337 547	364 133	314 528	324 486
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Raglan (Mine)												
Operator Name	Falconbridge Ltd.												
Product(s)	Nickel-Copper-Cobalt-Platinum-Palladium												
Address	120 Avenue de l'Aéroport, Rouyn-Noranda, Quebec J9X 5B7												
Effluent Discharge Point	DIR-HSA												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	0.005	0.005	0.005	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	0.014	0.022	0.021	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	NMR	NMR	NMR	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	0.007	0.005	0.006	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	0.145	0.287	0.283	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	0.002	0.035	0.003	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	3.500	3.000	3.000	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	NMR	0.010	NMR	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	7.2	4.3	7.0	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	7.7	7.0	7.8	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	53 890	98 208	144 096	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	—	1	1	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	1	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	1	1	—	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	1	—	—	—	—

**Comments:** No radium 226 test result was provided for the second quarter.

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Raglan (Mine)													
Operator Name		Falconbridge Ltd.													
Product(s)		Nickel-Copper-Cobalt-Platinum-Palladium													
Address		120 Avenue de l'Aéroport, Rouyn-Noranda, Quebec J9X 5B7													
Effluent Discharge Point		DIR-UT													
Parameters		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.		
Limits		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.		
As (mg/L)	0.5	ND	ND	ND	ND	0.002	0.001	0.001	0.001	0.026	0.001	ND	ND		
Cu (mg/L)	0.3	ND	ND	ND	ND	0.005	0.004	0.001	0.001	0.016	0.004	ND	ND		
CN (mg/L)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND		
Pb (mg/L)	0.2	ND	ND	ND	ND	0.001	0.001	0.001	0.001	0.026	0.001	ND	ND		
Ni (mg/L)	0.5	ND	ND	ND	ND	0.182	0.203	0.260	0.224	0.300	0.410	ND	ND		
Zn (mg/L)	0.5	ND	ND	ND	ND	0.006	0.002	0.004	0.005	0.007	0.006	ND	ND		
TSS (mg/L)	15	ND	ND	ND	ND	3.500	3.000	3.000	3.600	3.000	3.000	ND	ND		
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	NMR	0.010	0.010	NMR	0.010	0.010	ND	ND		
pH low	≥6.0	ND	ND	ND	ND	8.3	7.1	7.1	6.9	6.6	9.1	ND	ND		
pH high	≤9.5	ND	ND	ND	ND	8.6	7.5	7.3	7.3	6.6	9.1	ND	ND		
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	13 793	139 684	94 085	94 088	67 400	10 823	ND	ND		
Rainbow Trout	Pass	ND	ND	ND	ND	1	1	2	2	-	-	ND	ND		
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	1	-	-	-		
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	1	1	2	-	-	-	ND	ND		
Monitoring Test	Fail	-	-	-	-	-	-	-	2	1	-	-	-		
<b>Comments:</b> No toxicity test results were provided for October.															
<b>Notes:</b> ND: No Deposit		NMR: No Measurement Required						Pass: ≤50% Mortality			Fail: >50% Mortality				
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.															
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.															



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Raglan (Mine)												
Operator Name	Falconbridge Ltd.												
Product(s)	Nickel-Copper-Cobalt-Platinum-Palladium												
Address	120 Avenue de l'Aéroport, Rouyn-Noranda, Quebec J9X 5B7												
Effluent Discharge Point	DIR-Z3												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	0.010	0.010	0.010	0.010	0.010	0.010	0.010	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	0.008	0.007	0.013	0.009	0.010	0.010	0.011	ND
CN (mg/L)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	0.010	0.010	0.010	0.010	0.010	0.010	0.010	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	0.115	0.118	0.075	0.060	0.087	0.183	0.180	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	0.004	0.004	0.004	0.003	0.004	0.006	0.005	ND
TSS (mg/L)	15	ND	ND	ND	ND	3.000	2.260	3.000	3.200	3.000	3.000	3.000	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	0.010	0.010	0.010	0.010	0.010	0.010	0.010	ND
pH low	≥6.0	ND	ND	ND	ND	7.6	7.5	7.7	7.6	7.4	8.0	8.3	ND
pH high	≤9.5	ND	ND	ND	ND	8.0	7.8	7.8	7.7	7.7	8.4	8.3	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	17 113	7 922	76 272	106 200	107 998	99 320	19 492	ND
Rainbow Trout	Pass	ND	ND	ND	ND	1	1	1	1	1	1	1	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	1	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Red Lake Mine												
Operator Name	Goldcorp Inc.												
Product(s)	Gold												
Address	17 Mine Road, Balmertown, Ontario P0V 1C0												
Effluent Discharge Point	G1												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	0.080	ND	0.290	ND	ND	0.204	0.330	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	0.011	ND	0.009	ND	ND	0.009	0.011	ND
CN (mg/L)	1.0	ND	ND	ND	ND	0.017	ND	0.012	ND	ND	0.026	0.016	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	0.001	ND	0.004	ND	ND	0.001	0.001	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	0.018	ND	0.012	ND	ND	0.016	0.021	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	0.004	ND	0.005	ND	ND	0.004	0.009	ND
TSS (mg/L)	15	ND	ND	ND	ND	6.000	ND	2.000	ND	ND	4.000	10.000	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	0.010	ND	0.010	ND	ND	0.010	0.010	ND
pH low	≥6.0	ND	ND	ND	ND	7.9	ND	7.4	ND	ND	7.6	7.9	ND
pH high	≤9.5	ND	ND	ND	ND	7.9	ND	7.4	ND	ND	7.9	7.9	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	616 542	ND	565 531	ND	ND	743 308	33 757	ND
Rainbow Trout	Pass	ND	ND	ND	ND	1	ND	1	ND	ND	2	-	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	1	ND	1	ND	ND	2	-	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> Toxicity test results were not provided for November; toxicity tests were scheduled on day of no flow. There was only effluent flow on four days in November.													
<b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Red Lake Mine												
Operator Name	Goldcorp Inc.												
Product(s)	Gold												
Address	17 Mine Road, Balmertown, Ontario P0V 1C0												
Effluent Discharge Point	Shaft 3 Mine Water Settling Pond												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Ruttan Mine												
Operator Name	Hudson Bay Mining and Smelting Co. Ltd.												
Product(s)	Copper-Zinc												
Address	P.O. Box 1500, Flin Flon, Manitoba R8A 1N9												
Effluent Discharge Point	Brehault Lake Overflow Weir												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	0.008	0.012	0.005	0.006	0.007	0.007	0.009	ND
CN (mg/L)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	0.001	0.001	0.001	0.003	0.001	0.001	0.004	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	0.008	0.012	0.006	0.007	0.011	0.007	0.008	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	0.145	0.125	0.063	0.080	0.065	0.085	0.120	ND
TSS (mg/L)	15	ND	ND	ND	ND	2.500	3.750	4.250	5.000	4.250	5.000	5.000	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	0.005	NMR	0.005	NMR	NMR	NMR	0.007	ND
pH low	≥6.0	ND	ND	ND	ND	7.6	7.4	7.4	7.6	7.6	7.7	7.8	ND
pH high	≤9.5	ND	ND	ND	ND	7.8	7.8	8.1	7.8	8.0	7.9	7.8	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	424 800	1 163 643	1 190 244	1 403 064	1 600 789	1 688 859	706 527	ND
Rainbow Trout	Pass	ND	ND	ND	ND	1	2	1	1	1	1	-	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	1	-	1	1	1	1	-	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No toxicity test results were provided for November and no <i>Daphnia magna</i> monitoring test result for June. As of December 12, 2005, the mine has received the "Recognized Closed Mine Status" and therefore is no longer subject to the MMER.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.	Fail: >50% Mortality											

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Seabee Mine												
<b>Operator Name</b>	Claude Resources Inc.												
<b>Product(s)</b>	Gold												
<b>Address</b>	P.O. Box 1230, LaRonge, Saskatchewan S0J 1L0												
<b>Effluent Discharge Point</b>	Final Discharge Point 1.2												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sept.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	<0.001	<0.001	<0.001	NMR	<0.001	<0.001	<0.001	NMR	NMR	<0.001	<0.001	<0.001
Cu (mg/L)	0.3	0.005	0.005	0.004	NMR	0.008	0.009	0.016	NMR	NMR	0.009	0.010	0.007
CN (mg/L)	1.0	0.023	0.027	0.016	NMR	0.014	0.009	0.030	NMR	NMR	0.010	0.007	0.008
Pb (mg/L)	0.2	0.002	0.002	0.001	NMR	<0.001	0.001	0.002	NMR	NMR	0.001	<0.001	0.001
Ni (mg/L)	0.5	0.016	0.013	0.013	NMR	0.010	0.013	0.014	NMR	NMR	0.010	0.012	0.012
Zn (mg/L)	0.5	0.017	0.012	0.009	NMR	0.005	0.005	0.005	NMR	NMR	0.005	0.007	0.006
TSS (mg/L)	15	6.400	10.001	13.250	6.500	3.000	7.600	4.750	9.360	16.000	7.600	8.250	7.750
Ra-226 (Bq/L)	0.37	0.005	NMR	0.006	NMR	0.020	NMR	0.005	NMR	NMR	0.005	NMR	NMR
pH low	≥6.0	7.6	7.5	7.5	7.6	6.7	7.5	7.6	6.9	6.7	7.7	7.7	7.2
pH high	≤9.5	7.7	7.7	7.7	7.8	8.1	8.0	7.8	7.6	7.6	8.0	7.9	7.9
Flow (m <sup>3</sup> /month)	—	106 466	89 315	102 838	102 242	118 194	117 776	127 874	129 626	124 751	126 092	124 379	126 623
Rainbow Trout	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	1	NMR	NMR
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	1	NMR	NMR
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:**

**Notes:** ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Seabee Mine												
Operator Name	Claude Resources Inc.												
Product(s)	Gold												
Address	P.O. Box 1230, LaRonge, Saskatchewan S0J 1L0												
Effluent Discharge Point	Final Discharge Point 1.3												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	<0.001	<0.001	<0.001	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	0.009	0.008	0.007	NMR	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	0.010	0.089	0.044	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	0.002	0.001	<0.001	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	0.004	0.003	0.003	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	0.005	0.005	0.005	NMR	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	1.000	1.000	1.250	2.000	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	0.005	NMR	0.006	NMR	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	7.7	7.8	7.6	8.1	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	7.8	8.0	8.0	8.4	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	12 773	11 267	12 024	8 563	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	NMR	NMR	1	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Seabee Mine												
<b>Operator Name</b>	Claude Resources Inc.												
<b>Product(s)</b>	Gold												
<b>Address</b>	P.O. Box 1230, LaRonge, Saskatchewan, S0J 1L0												
<b>Effluent Discharge Point</b>	Final Discharge Point 1.5												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>August</b>	<b>Sept.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Sigma (Mine)												
Operator Name	Century Mining Corporation												
Product(s)	Gold												
Address	300 3 <sup>rd</sup> Avenue, Val-d'Or, Quebec J9P 4N8												
Effluent Discharge Point	Effluent final EFF1												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	0.003	0.002	0.002	ND	0.009	0.004	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	0.015	0.018	0.001	ND	0.338	0.221	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	0.032	0.011	0.019	ND	0.017	0.031	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	0.001	0.001	0.001	ND	0.001	0.002	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	0.054	0.016	0.021	ND	0.029	0.006	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	0.036	0.015	0.001	ND	0.001	0.003	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	4.400	3.830	2.000	ND	7.500	6.000	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	0.007	0.004	0.002	ND	0.003	0.004	ND	ND
pH low	≥6.0	ND	ND	ND	ND	7.5	7.8	8.0	ND	7.8	7.4	ND	ND
pH high	≤9.5	ND	ND	ND	ND	7.9	8.0	8.0	ND	7.9	7.8	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	152 746	30 652	16 416	ND	78 624	50 544	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	-	-	-	ND	1	1	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	-	-	-	ND	1	1	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> No toxicity test results were provided for May, June and July.													
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Snow Lake Mill												
Operator Name	Hudson Bay Mining and Smelting Co. Ltd.												
Product(s)	Copper-Zinc-Selenium-Tellurium-Silver												
Address	P.O. Box 1500, Flin Flon, Manitoba, R8A 1N9												
Effluent Discharge Point	Anderson Lake Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.004	0.003	0.002	ND	0.023	0.002	0.003	0.003	0.002	0.003	0.004	ND
Cu (mg/L)	0.3	0.013	0.013	0.006	ND	0.016	0.017	0.006	0.006	0.009	0.011	0.013	ND
CN (mg/L)	1.0	NMR	NMR	NMR	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND
Pb (mg/L)	0.2	0.009	0.006	0.008	ND	0.030	0.009	0.008	0.006	0.009	0.009	0.006	ND
Ni (mg/L)	0.5	0.001	0.002	0.002	ND	0.002	0.002	0.002	0.002	0.002	0.002	0.002	ND
Zn (mg/L)	0.5	0.209	0.178	0.211	ND	0.232	0.156	0.029	0.085	0.076	0.144	0.174	ND
TSS (mg/L)	15	2.600	1.625	4.830	ND	2.700	2.500	2.650	2.500	2.375	2.500	2.500	ND
Ra-226 (Bq/L)	0.37	0.020	NMR	NMR	ND	0.005	0.007	0.013	0.007	0.005	0.007	0.005	ND
pH low	≥6.0	7.5	7.8	7.5	ND	7.7	7.4	7.7	8.2	8.2	7.5	8.4	ND
pH high	≤9.5	8.4	8.4	8.0	ND	8.5	8.7	7.9	8.6	8.3	8.2	8.4	ND
Flow (m <sup>3</sup> /month)	-	195 269	176 372	151 176	ND	62 989	188 968	122 829	132 277	321 245	812 561	283 452	ND
Rainbow Trout	Pass	1	1	1	ND	-	1	1	1	1	1	1	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	ND	-	1	1	1	1	1	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No toxicity test results were provided for the month of May; the test was scheduled on day of no flow.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Strathcona Tailings Treatment System											
Operator Name		Falconbridge Ltd.											
Product(s)		Nickel-Copper-Cobalt-Platinum-Palladium											
Address		Onaping, Ontario P0M 2R0											
Effluent Discharge Point		Fecunis RR Bridge											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.001	0.002	0.002	0.002	0.002	0.004	0.003	0.003	0.004	0.003	0.006
Cu (mg/L)	0.3	0.004	0.004	0.003	0.015	0.008	0.011	0.043	0.028	0.017	0.058	0.031	0.017
CN (mg/L)	1.0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.003
Pb (mg/L)	0.2	0.001	0.002	0.001	0.001	0.001	0.001	0.001	<0.001	<0.001	0.001	0.001	0.002
Ni (mg/L)	0.5	0.087	0.089	0.141	0.080	0.046	0.061	0.057	0.089	0.085	0.064	0.091	0.091
Zn (mg/L)	0.5	0.006	0.011	0.007	0.006	0.005	0.006	0.010	0.026	0.007	0.040	0.011	0.005
TSS (mg/L)	15	0.500	0.600	0.720	0.750	0.500	0.900	1.350	1.500	1.860	0.900	1.424	0.480
Ra-226 (Bq/L)	0.37	NMR	0.010	NMR	NMR	0.010	NMR	0.010	0.010	NMR	0.010	NMR	NMR
pH low	≥6.0	7.6	7.6	7.6	6.5	7.3	7.1	7.4	7.5	7.4	7.5	7.4	7.8
pH high	≤9.5	8.0	7.9	7.8	7.6	7.6	7.4	7.6	7.8	7.6	7.8	8.1	8.1
Flow (m <sup>3</sup> /month)	-	2 240 974	3 473 728	2 585 067	4 205 045	3 793 087	1 694 622	2 563 029	1 483 477	1 585 310	1 053 819	1 349 334	1 863 052
Rainbow Trout	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<p><b>Notes:</b> ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Tanco Mine												
Operator Name	Tantalum Mining Corporation of Canada Ltd.												
Product(s)	Tantalum-Lithium-Cesium-Rubidium												
Address	P.O. Box 2000, Lac du Bonnet, Manitoba R0E 1A0												
Effluent Discharge Point	East Discharge (Phreatic Flow)												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Tanco Mine											
Operator Name		Tantalum Mining Corporation of Canada Ltd.											
Product(s)		Tantalum-Lithium-Cesium-Rubidium											
Address		P.O. Box 2000, Lac du Bonnet, Manitoba R0E 1A0											
Effluent Discharge Point		West Discharge (Compliance Point)											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	NMR	NMR	0.010	NMR	0.005	NMR	0.008	NMR	NMR	0.007	NMR	NMR
Cu (mg/L)	0.3	NMR	NMR	0.004	NMR	0.002	NMR	0.002	NMR	NMR	0.001	NMR	NMR
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	NMR	NMR	0.001	NMR	<0.001	NMR	<0.001	NMR	NMR	<0.001	NMR	NMR
Ni (mg/L)	0.5	NMR	NMR	0.032	NMR	0.015	NMR	0.004	NMR	NMR	0.005	NMR	NMR
Zn (mg/L)	0.5	NMR	NMR	0.007	NMR	0.003	NMR	0.003	NMR	NMR	0.002	NMR	NMR
TSS (mg/L)	15	8.00	8.75	10.200	15.500	8.240	11.900	7.450	12.700	15.000	14.250	9.000	6.800
Ra-226 (Bq/L)	0.37	NMR	NMR	0.010	NMR	0.010	NMR	0.010	NMR	NMR	0.010	NMR	NMR
pH low	≥6.0	6.7	6.5	6.5	6.6	8.0	7.4	7.9	8.0	8.5	7.5	7.0	7.0
pH high	≤9.5	7.3	6.8	6.7	7.5	9.0	8.6	9.5	9.5	9.3	8.2	8.0	7.8
Flow (m <sup>3</sup> /month)	-	207 312	193 424	167 822	245 655	242 910	297 495	371 690	303 688	196 958	227 609	151 275	146 952
Rainbow Trout	Pass	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<b>Notes:</b>	<b>ND: No Deposit</b>	<b>NMR: No Measurement Required</b>											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	<b>Pass: ≤50% Mortality</b>											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.	<b>Fail: &gt;50% Mortality</b>											

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Thompson Complex												
Operator Name	Inco Ltd.												
Product(s)	Nickel-Copper												
Address	P.O. Box 5000, Thompson, Manitoba R8N 1P3												
Effluent Discharge Point	Misery Weir												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.010	0.010	0.010	0.010	0.010	0.040	0.010	0.007	0.006	0.005	0.004	0.005
Cu (mg/L)	0.3	0.010	0.010	0.010	0.010	0.010	0.034	0.040	0.050	0.050	0.050	0.050	0.050
CN (mg/L)	1.0	0.002	NMR	NMR	0.002	NMR	0.002	0.002	0.002	NMR	0.002	NMR	NMR
Pb (mg/L)	0.2	0.010	0.010	0.010	0.010	0.010	0.022	0.030	0.030	0.030	0.030	0.030	0.030
Ni (mg/L)	0.5	0.185	0.175	0.164	0.183	0.228	0.244	0.275	0.304	0.353	0.333	0.266	0.275
Zn (mg/L)	0.5	0.058	0.010	0.022	0.010	0.190	0.040	0.185	0.092	0.010	0.025	0.016	0.035
TSS (mg/L)	15	3.750	2.500	1.600	2.000	4.750	6.400	7.000	8.200	18.500	6.500	4.200	1.000
Ra-226 (Bq/L)	0.37	0.040	NMR	NMR	0.010	NMR	0.010	0.010	0.005	NMR	0.005	NMR	NMR
pH low	≥6.0	7.1	7.4	7.2	7.2	7.4	7.6	7.7	7.6	7.8	8.0	8.3	7.9
pH high	≤9.5	7.2	7.9	7.5	7.5	8.1	8.0	8.0	7.9	8.0	8.3	8.7	8.2
Flow (m <sup>3</sup> /month)	-	2 972 218	2 845 577	3 026 828	4 784 070	6 613 238	7 724 832	5 942 762	7 883 126	8 193 090	7 638 005	5 725 998	4 159 527
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1	NMR
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1	NMR
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Thompson Complex															
Operator Name		Inco Ltd.															
Product(s)		Nickel-Copper															
Address		P.O. Box 5000, Thompson, Manitoba R8N 1P3															
Effluent Discharge Point		Station B															
Parameters		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
Limits		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	0.5	0.010	0.010	0.010	0.010	0.010	0.040	0.013	0.011	0.014	0.007	0.006	0.005				
Cu (mg/L)	0.3	0.010	0.010	0.010	0.010	0.010	0.034	0.040	0.050	0.050	0.050	0.050	0.050				
CN (mg/L)	1.0	0.002	NMR	NMR	0.008	NMR	0.002	0.002	0.002	NMR	0.002	NMR	NMR				
Pb (mg/L)	0.2	0.010	0.010	0.010	0.010	0.010	0.022	0.030	0.030	0.030	0.030	0.030	0.030				
Ni (mg/L)	0.5	0.195	0.173	0.170	0.463	0.493	0.526	0.428	0.444	0.413	0.450	0.392	0.360				
Zn (mg/L)	0.5	0.058	0.025	0.020	0.028	0.018	0.120	0.128	0.022	0.010	0.010	0.026	0.048				
TSS (mg/L)	15	13.000	6.250	2.000	2.250	4.500	5.400	4.750	2.600	4.750	2.500	2.600	6.250				
Ra-226 (Bq/L)	0.37	0.005	NMR	NMR	0.010	NMR	0.010	0.005	0.005	NMR	0.005	NMR	NMR				
pH low	≥6.0	6.7	6.7	6.8	6.9	7.7	7.3	7.2	7.2	7.2	7.0	7.1	7.2				
pH high	≤9.5	7.3	6.9	6.9	7.4	8.2	9.1	8.4	7.6	7.6	7.8	8.9	7.6				
Flow (m <sup>3</sup> /month)	-	733 212	768 096	926 726	2 118 960	1 299 024	2 607 552	2 969 881	2 101 068	1 678 320	1 493 208	1 270 080	1 168 220				
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1	NMR				
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1	NMR				
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<b>Comments:</b>																	
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																	
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.																	

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Tio (Mine)												
Operator Name	QIT-Fer et Titane Inc.												
Product(s)	Iron-Titanium												
Address	951 Boulevard de l'Escale, Havre St-Pierre, Quebec G0G 1P0												
Effluent Discharge Point	Aiguillage sud												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	-	-	-	ND	0.087	0.035	0.036	0.055	0.057	0.040	0.093	0.061
CN (mg/L)	1.0	-	-	-	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	-	-	-	ND	0.002	0.001	0.001	0.002	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	-	-	-	ND	0.467	0.564	0.248	0.316	0.528	0.433	0.456	0.650
Zn (mg/L)	0.5	-	-	-	ND	0.065	0.055	0.019	0.047	0.044	0.050	0.061	0.074
TSS (mg/L)	15	-	-	-	ND	8.000	1.300	11.750	35.000	7.750	1.875	9.600	3.250
Ra-226 (Bq/L)	0.37	-	-	-	ND	0.005	0.006	0.005	0.005	0.006	0.005	0.005	0.005
pH low	≥6.0	-	-	-	ND	6.7	7.0	7.1	7.3	7.1	7.1	6.8	7.1
pH high	≤9.5	-	-	-	ND	7.5	7.5	7.5	7.4	7.4	7.4	7.5	7.1
Flow (m <sup>3</sup> /month)	-	-	-	-	ND	350 246	54 763	3 914	8 394	70 792	19 571	141 833	42 613
Rainbow Trout	Pass	-	-	-	ND	1	1	1	1	1	1	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	ND	1	1	1	1	1	1	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	Pursuant to section 25 of the MMER, analytical results for January, February and March were not provided since access to the site was impossible.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Tio (Mine)															
Operator Name		QIT-Fer et Titane Inc.															
Product(s)		Iron-Titanium															
Address		951 Boulevard de l'Escale, Havre-St-Pierre, Quebec G0G 1P0															
Effluent Discharge Point		Lac 211.4															
Parameters		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
Limits		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	0.5	-	-	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001				
Cu (mg/L)	0.3	-	-	0.005	0.005	0.003	0.005	0.029	0.004	0.006	0.005	0.011	0.016				
CN (mg/L)	1.0	-	-	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR				
Pb (mg/L)	0.2	-	-	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001				
Ni (mg/L)	0.5	-	-	0.400	0.358	0.395	0.446	0.498	0.310	0.283	0.295	0.274	0.285				
Zn (mg/L)	0.5	-	-	0.006	0.013	0.007	0.012	0.044	0.009	0.006	0.011	0.035	0.045				
TSS (mg/L)	15	-	-	1.000	2.000	1.125	0.900	0.625	0.500	1.375	0.500	1.000	3.750				
Ra-226 (Bq/L)	0.37	-	-	0.005	0.005	0.005	0.005	0.005	0.016	0.014	0.005	0.005	0.005				
pH low	≥6.0	-	-	7.3	6.9	6.8	7.2	7.2	7.3	7.3	7.4	6.2	6.4				
pH high	≤9.5	-	-	7.3	7.4	7.4	7.6	7.5	7.4	7.6	7.6	7.5	6.8				
Flow (m <sup>3</sup> /month)	-	-	-	478 702	472 462	586 960	116 885	19 328	215 064	153 608	190 970	27 498	6 342				
Rainbow Trout	Pass	-	-	-	2	2	1	-	3	1	1	1	-				
Acute Lethality Test	Fail	-	-	1	-	-	-	1	-	-	-	-	-				
<i>Daphnia magna</i>	Pass	-	-	1	2	2	1	1	3	1	1	1	-				
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<b>Comments:</b>		Pursuant to section 25 of the MMER, analytical results for January and February were not provided since access to the site was impossible. No toxicity test results were provided for December because the effluent was frozen.															
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
		Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.															



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Tio (Mine)												
Operator Name	QIT-Fer et Titane Inc.												
Product(s)	Iron-Titanium												
Address	951 Boulevard de l'Escale, Havre-St-Pierre, Quebec G0G 1P0												
Effluent Discharge Point	Lac Grondin												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.200	0.028	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NMR	NMR	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.001	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	2.700	0.080	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.170	0.110	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	0.500	7.000	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.005	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	6.5	7.0	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	6.5	7.0	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	ND	ND	ND	30 600	4 620	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	–	–	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	–	–	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	No toxicity test results were provided for the months of September and October. There was only effluent flow on three days in October.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Tio (Mine)															
Operator Name		QIT-Fer et Titane Inc.															
Product(s)		Iron-Titanium															
Address		951 Boulevard de l'Escale, Havre-St-Pierre, Quebec G0G 1P0															
Effluent Discharge Point		R�surgence L�o															
Parameters		Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.				
As (mg/L)	Limits	-	-	-	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001				
Cu (mg/L)		-	-	-	ND	0.082	0.063	0.078	0.081	0.081	0.065	0.061	0.028				
CN (mg/L)		-	-	-	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR				
Pb (mg/L)		-	-	-	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001				
Ni (mg/L)		-	-	-	ND	0.948	0.368	1.064	0.958	0.830	1.024	0.475					
Zn (mg/L)		-	-	-	ND	0.106	0.084	0.115	0.085	0.117	0.082	0.043					
TSS (mg/L)		-	-	-	ND	1.330	0.625	1.000	0.875	0.875	0.700	0.625					
Ra-226 (Bq/L)		-	-	-	ND	0.005	0.005	0.005	0.009	0.005	0.005	0.005	0.005				
pH low	≥6.0	-	-	-	ND	6.7	6.4	7.1	7.0	6.7	6.9	7.0	6.9				
pH high	≤9.5	-	-	-	ND	7.2	7.4	7.5	7.2	7.3	7.3	7.3	7.2				
Flow (m <sup>3</sup> /month)	-	-	-	-	ND	302 669	69 293	34 131	48 405	56 410	62 092	475 570	345 848				
Rainbow Trout	Pass	-	-	-	ND	1	1	1	1	1	1	1	1				
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-				
<i>Daphnia magna</i>	Pass	-	-	-	ND	-	-	-	1	1	-	1	1				
Monitoring Test	Fail	-	-	-	-	1	1	1	-	-	1	-	-				
<b>Comments:</b>		Pursuant to section 25 of the MMER, analytical results for January, February and March were not provided since the site was completely inaccessible.															
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality			
		Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.															
		A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.															

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Troilus												
Operator Name	Corporation minière Inmet												
Product(s)	Gold-Copper												
Address	P.O. Box 8700, Chibougamau, Quebec G8P 3A9												
Effluent Discharge Point	BS-2												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.002	0.001	0.001	0.002	0.006	0.002	0.001	0.001	0.001	0.002	0.002
Cu (mg/L)	0.3	0.006	0.012	0.010	0.014	0.014	0.007	0.007	0.008	0.009	0.011	0.008	0.008
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	0.017	0.016	0.016	0.010	0.012	0.017	0.015	0.011	0.012	0.018	0.014	0.017
Zn (mg/L)	0.5	0.024	0.023	0.016	0.016	0.018	0.030	0.020	0.005	0.017	0.036	0.052	0.042
TSS (mg/L)	15	2.000	5.750	8.250	9.000	5.400	1.250	1.750	2.200	5.250	6.600	4.000	1.250
Ra-226 (Bq/L)	0.37	NMR	0.020	NMR	NMR	NMR	0.010	NMR	0.080	NMR	0.040	NMR	0.020
pH low	≥6.0	7.3	7.1	6.8	6.4	7.2	7.4	7.8	6.3	7.7	7.4	8.0	7.8
pH high	≤9.5	7.5	8.3	7.3	7.3	7.5	7.7	7.9	7.9	7.9	7.9	8.0	8.0
Flow (m <sup>3</sup> /month)	-	195 076	132 250	221 154	150 339	100 436	206 464	58 187	178 823	291 798	576 187	456 623	482 043
Rainbow Trout	Pass	1	1	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	1	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	The mine has been on reduced frequency for acute lethality since April 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality      Fail: >50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Troilus												
Operator Name		Corporation minière Inmet												
Product(s)		Gold-Copper												
Address		P.O. Box 8700, Chibougamau, Quebec G8P 3A9												
Effluent Discharge Point		PR-1												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu	(mg/L)	0.3	0.002	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.003	0.004	0.033	0.002
CN	(mg/L)	1.0	0.006	0.007	0.007	0.005	0.005	0.005	0.009	0.005	0.005	0.004	0.005	0.005
Pb	(mg/L)	0.2	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.002	0.001
Ni	(mg/L)	0.5	0.004	0.004	0.004	0.005	0.005	0.006	0.008	0.008	0.003	0.006	0.004	0.006
Zn	(mg/L)	0.5	0.017	0.023	0.020	0.012	0.013	0.007	0.001	0.003	0.015	0.011	0.007	0.023
TSS	(mg/L)	15	3.200	2.500	1.750	5.000	6.800	3.250	4.000	4.400	2.000	4.400	3.000	5.000
Ra-226	(Bq/L)	0.37	NMR	0.010	NMR	NMR	NMR	0.010	NMR	0.010	0.010	0.010	NMR	0.010
pH low		≥6.0	6.1	6.6	6.0	6.6	5.9	6.1	6.7	6.5	6.7	6.4	6.3	6.2
pH high		≤9.5	7.4	7.6	6.9	7.6	7.0	6.7	6.8	6.9	7.2	7.0	7.4	6.7
Flow (m <sup>3</sup> /month)		-	153 912	136 945	93 528	736 285	706 881	3 140 438	607 051	677 715	300 468	526 746	157 868	386 272
Rainbow Trout		Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Troilus												
Operator Name	Corporation minière Immet												
Product(s)	Gold-Copper												
Address	P.O. Box 8700, Chibougamau, Quebec G8P 3A9												
Effluent Discharge Point	PR-2												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.003	0.003	0.002	0.001
CN (mg/L)	1.0	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Pb (mg/L)	0.2	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	0.003	0.001	0.001	0.001	0.003	0.003	0.005	0.001	0.001	0.001	0.001	0.001
Zn (mg/L)	0.5	0.016	0.015	0.013	0.015	0.014	0.013	0.001	0.014	0.020	0.020	0.017	0.014
TSS (mg/L)	15	2.000	1.500	1.500	1.250	2.000	3.000	2.500	2.400	1.500	7.600	5.750	2.250
Ra-226 (Bq/L)	0.37	NMR	0.040	0.020	0.013	0.018	0.020	0.030	0.020	0.020	0.014	0.010	0.010
pH low	≥6.0	6.2	6.2	6.2	6.1	6.2	6.1	6.7	6.6	6.7	6.4	6.8	6.7
pH high	≤9.5	7.1	7.0	7.0	7.0	7.1	6.8	6.8	6.9	6.9	7.3	7.3	7.5
Flow (m <sup>3</sup> /month)	-	56 366	43 722	50 042	66 974	64 331	48 413	46 768	53 747	44 352	66 216	52 474	44 402
Rainbow Trout	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-

### Comments:

Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Troilus												
Operator Name		Corporation minière Inmet												
Product(s)		Gold-Copper												
Address		P.O. Box 8700, Chibougamau, Quebec G8P 3A9												
Effluent Discharge Point		PR-5												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu	(mg/L)	0.3	0.002	0.002	0.003	0.003	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.003
CN	(mg/L)	1.0	0.005	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005
Pb	(mg/L)	0.2	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Ni	(mg/L)	0.5	0.001	0.001	0.001	0.001	0.002	0.001	0.004	0.002	0.001	0.001	0.001	0.001
Zn	(mg/L)	0.5	0.016	0.013	0.013	0.015	0.013	0.007	0.001	0.005	0.011	0.012	0.016	0.017
TSS	(mg/L)	15	6.200	2.000	3.000	3.250	2.800	2.750	2.250	1.800	1.000	1.800	3.250	4.250
Ra-226	(Bq/L)	0.37	NMR	0.060	0.017	0.010	0.014	0.018	0.020	0.012	0.017	0.010	0.010	0.020
pH low		≥6.0	6.3	6.1	6.3	6.3	6.3	6.4	6.8	6.8	6.9	6.5	6.7	6.6
pH high		≤9.5	7.3	7.2	7.0	7.1	7.4	6.9	6.9	7.0	7.1	7.3	7.2	7.5
Flow (m <sup>3</sup> /month)		-	7 886	4 536	6 510	5 616	6 994	4 032	5 640	15 669	13 320	20 817	13 723	6 815
Rainbow Trout		Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>														
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Troilus												
Operator Name	Corporation minière Immet												
Product(s)	Gold-Copper												
Address	P.O. Box 8700, Chibougamau, Quebec G8P 3A9												
Effluent Discharge Point	PR-6												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.002	0.001	0.002	0.001	0.041	0.001	0.001	0.001	0.004	0.001	0.002	0.003
CN (mg/L)	1.0	0.005	0.005	0.005	0.005	0.005	0.005	0.019	0.006	0.005	0.005	0.005	0.005
Pb (mg/L)	0.2	0.003	0.001	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Ni (mg/L)	0.5	0.041	0.001	0.002	0.001	0.029	0.002	0.010	0.001	0.002	0.004	0.003	0.002
Zn (mg/L)	0.5	0.018	0.016	0.014	0.012	0.011	0.012	0.001	0.012	0.020	0.028	0.017	0.022
TSS (mg/L)	15	3.400	2.750	4.000	6.750	2.800	3.500	6.125	5.400	5.500	3.200	2.000	2.250
Ra-226 (Bq/L)	0.37	NMR	0.040	0.013	0.010	0.010	0.018	0.025	0.014	0.023	0.024	0.010	0.010
pH low	≥6.0	6.3	6.5	6.2	5.9	6.3	6.4	6.6	6.6	6.7	6.7	7.1	6.8
pH high	≤9.5	7.2	7.3	7.1	7.5	7.0	6.8	6.8	7.0	7.0	7.4	7.4	7.5
Flow (m <sup>3</sup> /month)	—	3 305	3 360	5 022	9 432	10 490	4 158	4 297	5 952	5 616	10 174	8 190	7 384
Rainbow Trout	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—

### Comments:

Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Troilus												
Operator Name		Corporation minière Inmet												
Product(s)		Gold-Copper												
Address		P.O. Box 8700, Chibougamau, Quebec G8P 3A9												
Effluent Discharge Point		PR-7												
Parameters		Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As	(mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu	(mg/L)	0.3	0.001	0.001	0.001	0.003	0.003	0.001	0.001	0.001	0.003	0.001	0.001	0.001
CN	(mg/L)	1.0	0.006	0.007	0.007	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005
Pb	(mg/L)	0.2	0.003	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001	0.001
Ni	(mg/L)	0.5	0.003	0.002	0.003	0.002	0.003	0.004	0.018	0.003	0.015	0.003	0.003	0.002
Zn	(mg/L)	0.5	0.011	0.010	0.008	0.068	0.011	0.007	0.004	0.008	0.010	0.009	0.012	0.011
TSS	(mg/L)	15	3.800	3.500	7.500	12.000	6.400	9.000	10.500	11.200	7.000	5.800	1.500	6.250
Ra-226	(Bq/L)	0.37	0.040	0.050	0.048	0.028	0.054	0.063	0.045	0.036	0.053	0.014	0.013	0.020
pH low		≥6.0	6.0	6.5	6.4	6.3	6.0	6.1	6.2	6.3	6.2	6.4	6.5	6.4
pH high		≤9.5	6.6	6.8	7.0	7.1	6.3	6.5	6.4	6.8	6.6	7.0	6.7	7.4
Flow (m <sup>3</sup> /month)		-	3 807	3 052	3 736	4 788	4 966	4 122	3 553	4 390	4 014	6 380	4 729	5 710
Rainbow Trout		Pass	1	1	1	1	1	1	1	1	1	1	1	1
Acute Lethality Test		Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>		Pass	1	1	1	1	1	1	1	1	1	-	1	1
Monitoring Test		Fail	-	-	-	-	-	-	-	-	-	1	-	-
<b>Comments:</b>														
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.														



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Trout Lake Mine												
Operator Name	Hudson Bay Mining and Smelting Co. Ltd.												
Product(s)	Copper-Zinc-Gold-Silver												
Address	P.O. Box 1500, Flin Flon, Manitoba R8A 1N9												
Effluent Discharge Point	Trout Lake												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.002	0.004	0.002	0.001	0.005	0.002	ND	0.002	0.002	0.002	0.002	0.002
Cu (mg/L)	0.3	0.038	0.052	0.029	0.027	0.023	0.024	ND	0.030	0.035	0.016	0.021	0.031
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	ND	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.020	0.011	0.006	0.008	0.009	0.010	ND	0.010	0.007	0.008	0.007	0.010
Ni (mg/L)	0.5	0.002	0.004	0.003	0.002	0.002	0.003	ND	0.003	0.023	0.002	0.003	0.004
Zn (mg/L)	0.5	0.249	0.290	0.115	0.056	0.079	0.287	ND	0.094	0.114	0.119	0.122	0.136
TSS (mg/L)	15	5.750	8.125	4.600	1.875	2.500	2.500	ND	2.600	2.500	2.575	2.500	2.500
Ra-226 (Bq/L)	0.37	0.100	0.120	0.062	0.070	0.082	0.068	ND	0.063	0.055	0.173	0.132	0.158
pH low	≥6.0	8.3	8.8	8.7	8.2	8.0	7.1	ND	8.1	8.3	8.1	8.1	7.9
pH high	≤9.5	8.6	8.9	9.2	8.7	8.2	8.6	ND	8.3	8.7	8.7	9.1	8.8
Flow (m <sup>3</sup> /month)	–	25 400	19 800	28 700	17 300	31 800	34 600	ND	27 300	35 400	34 200	29 152	30 700
Rainbow Trout	Pass	1	1	1	1	1	1	ND	1	1	1	1	1
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	–	–	–	–	–	–	ND	–	1	–	–	–
Monitoring Test	Fail	1	1	1	1	1	1	–	1	–	1	1	1
<b>Comments:</b>													
Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Voisey's Bay Mine – Mill												
Operator Name	Voisey's Bay Nickel Company Ltd.												
Product(s)	Nickel-Copper-Cobalt												
Address	P.O. Box 7001, Station C, Happy Valley, Goose Bay, Newfoundland and Labrador A0P 1C0												
Effluent Discharge Point	Port Site Sediment Pond												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This final discharge point became subject to the MMER on August 30, 2004.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality      Fail: >50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Voisey's Bay Mine – Mill												
Operator Name	Voisey's Bay Nickel Company Ltd.												
Product(s)	Nickel-Copper-Cobalt												
Address	P.O. Box 7001, Station C, Happy Valley, Goose Bay, Newfoundland and Labrador A0P 1C0												
Effluent Discharge Point	Sedimentation Pond A Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	0.002	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	-	-	-	-	0.002	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	-	-	-	-	MMR	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	-	-	-	-	0.001	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	-	-	-	-	0.002	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	-	-	-	-	0.003	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	-	-	-	-	7.400	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	-	-	-	-	6.6	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	-	-	-	-	6.6	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	-	-	-	-	26 100	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This final discharge point became subject to the MMER on May 10, 2005. No radium 226 and toxicity test results were provided for the month of May.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Voisey's Bay Mine – Mill											
Operator Name		Voisey's Bay Nickel Company Ltd.											
Product(s)		Nickel-Copper-Cobalt											
Address		P.O. Box 7001, Station C, Happy Valley, Goose Bay, Newfoundland and Labrador A0P 1C0											
Effluent Discharge Point		Sediment Pond B											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	0.006	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	0.001	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	2.000	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	7.3	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	7.4	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	9 455	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	–	1	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	–	1	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>		This final discharge point became subject to the MMER on October 15, 2004. The acute lethality tests were done on May 3 instead of April 2005.											
<b>Notes:</b>	ND: No Deposit NMR: No Measurement Required Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.	Pass: ≤50% Mortality										Fail: >50% Mortality	

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Voisey's Bay Mine – Mill												
Operator Name	Voisey's Bay Nickel Company Ltd.												
Product(s)	Nickel-Copper-Cobalt												
Address	P.O. Box 7001, Station C, Happy Valley, Goose Bay, Newfoundland and Labrador A0P 1C0												
Effluent Discharge Point	South of Ovoid Final Discharge Point												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	NMR	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	0.003	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	0.015	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	0.051	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	6.000	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	7.3	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	2 394	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	-	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	1	-	-	-	-	-	-	-	-
<b>Comments:</b>	This final discharge point became subject to the MMER on September 17, 2004. No radium 226 test results were provided for the month of April.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Voisey's Bay Mine – Mill											
Operator Name		Voisey's Bay Nickel Company Ltd.											
Product(s)		Nickel-Copper-Cobalt											
Address		P.O. Box 7001, Station C, Happy Valley, Goose Bay, Newfoundland and Labrador A0P 1C0											
Effluent Discharge Point		South Sediment Pond											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	0.002	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	0.050	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	NMR	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	0.036	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	0.130	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	5.000	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	0.020	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	6.6	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	6.6	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	10 726	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>		This final discharge point became subject to the MMER on April 30, 2004.											
<b>Notes:</b>	ND: No Deposit NMR: No Measurement Required Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.	Pass: ≤50% Mortality										Fail: >50% Mortality	

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Voisey's Bay Mine – Mill												
Operator Name	Voisey's Bay Nickel Company Ltd.												
Product(s)	Nickel-Copper-Cobalt												
Address	P.O. Box 7001, Station C, Happy Valley, Goose Bay, Newfoundland and Labrador A0P 1C0												
Effluent Discharge Point	Treated Effluent Final Discharge Point												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	–	–	–	–	–	–	–	–	–	–	–	–
<b>Comments:</b>	This final discharge point became subject to the MMER on August 26, 2004.												
<b>Notes:</b>	ND: No Deposit      MMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Wabush (Scully Mine)											
Operator Name		Wabush Mines											
Product(s)		Iron											
Address		Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0											
Effluent Discharge Point		East Pit No. 1 Dewatering											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
<b>Notes:</b>	<b>ND: No Deposit</b> <b>NMR: No Measurement Required</b> <b>Pass: ≤50% Mortality</b> <b>Fail: &gt;50% Mortality</b> Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Wabush (Scully Mine)												
Operator Name	Wabush Mines												
Product(s)	Iron												
Address	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
Effluent Discharge Point	East Pit No. 2 Dewatering												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.005	0.005	0.005	0.005	0.005	0.001	0.004	0.001	0.001	0.003	0.001	0.001
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.010	0.010	0.010	0.010	0.010	0.002	0.002	0.002	0.003	0.002	0.002	0.002
Ni (mg/L)	0.5	0.005	0.005	0.005	0.005	0.005	0.001	0.002	0.001	0.001	0.001	0.001	0.001
Zn (mg/L)	0.5	0.019	0.008	0.005	0.006	0.008	0.046	0.005	0.005	0.005	0.005	0.008	0.017
TSS (mg/L)	15	2.330	2.500	2.600	7.250	7.000	2.400	3.750	3.400	2.250	4.200	3.500	2.000
Ra-226 (Bq/L)	0.37	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR
pH low	≥6.0	6.6	6.6	6.5	6.4	6.6	6.5	6.5	6.7	6.8	6.7	6.5	6.4
pH high	≤9.5	7.0	6.9	6.9	6.7	7.0	7.2	7.0	7.3	7.2	7.1	6.8	6.7
Flow (m <sup>3</sup> /month)	-	958 870	880 729	892 343	976 016	1 178 543	819 275	777 472	473 276	623 859	816 302	624 431	622 856
Rainbow Trout	Pass	2	NMR	NMR	1	NMR	1	2	NMR	NMR	2	2	2
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	2	NMR	NMR	1	NMR	1	2	NMR	NMR	1	2	2
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	1	-	-
<b>Comments:</b>													
Notes: ND: No Deposit NMR: No Measurement Required Pass: ≤50% Mortality Fail: >50% Mortality													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Wabush (Scully Mine)													
Operator Name		Wabush Mines													
Product(s)		Iron													
Address		Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0													
Effluent Discharge Point		Knoll Lake Inflow													
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.		
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
Cu (mg/L)	0.3	0.011	0.005	0.005	0.005	0.005	0.005	0.004	0.003	0.001	0.001	0.001	0.001		
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR		
Pb (mg/L)	0.2	0.010	0.010	0.010	0.010	0.010	0.003	0.007	0.002	0.002	0.002	0.002	0.003		
Ni (mg/L)	0.5	0.006	0.005	0.005	0.005	0.005	0.002	0.004	0.001	0.005	0.002	0.002	0.002		
Zn (mg/L)	0.5	0.110	0.053	0.011	0.007	0.025	0.022	0.017	0.008	0.014	0.012	0.012	0.013		
TSS (mg/L)	15	1 388.000	704.000	179.000	57.000	141.000	177.000	1 122.000	36.000	57.000	30.000	24.000	661.000		
Ra-226 (Bq/L)	0.37	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR		
pH low	≥6.0	6.7	6.6	6.5	6.6	6.7	6.3	6.4	6.6	5.2	6.7	6.5	6.4		
pH high	≤9.5	7.1	7.0	7.3	6.8	7.0	7.2	7.0	7.2	7.0	7.1	6.8	6.9		
Flow (m <sup>3</sup> /month)	-	717 464	521 556	584 530	472 320	893 234	762 246	739 513	673 140	553 815	473 246	479 565	490 467		
Rainbow Trout	Pass	2	1	1	1	1	2	2	1	1	2	1	2		
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	1	1	1	2	1	1		
Monitoring Test	Fail	1	-	-	-	-	1	1	-	-	-	-	1		
<b>Comments:</b>															
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality	
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.															

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Wabush (Scully Mine)												
Operator Name	Wabush Mines												
Product(s)	Iron												
Address	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
Effluent Discharge Point	Loadout Ditch Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
Cu (mg/L)	0.3	ND	ND	ND	0.005	0.005	0.002	0.003	0.002	0.002	0.002	0.001	0.003
CN (mg/L)	1.0	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	ND	ND	ND	0.010	0.010	0.003	0.003	0.002	0.002	0.002	0.002	0.002
Ni (mg/L)	0.5	ND	ND	ND	0.005	0.005	0.002	0.005	0.010	0.008	0.006	0.008	0.011
Zn (mg/L)	0.5	ND	ND	ND	0.038	0.020	0.012	0.013	0.036	0.013	0.019	0.029	0.041
TSS (mg/L)	15	ND	ND	ND	8.000	12.750	13.800	16.500	62.800	86.000	85.200	43.000	39.000
Ra-226 (Bq/L)	0.37	ND	ND	ND	-	-	-	0.010	NMR	NMR	0.010	NMR	NMR
pH low	≥6.0	ND	ND	ND	6.6	6.8	7.0	7.0	6.5	6.5	3.2	6.0	5.3
pH high	≤9.5	ND	ND	ND	6.7	7.4	8.7	7.2	7.1	7.0	7.1	6.9	6.6
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	3 870	7 642	6 642	13 872	40 572	58 485	65 571	25 260	17 794
Rainbow Trout	Pass	ND	ND	ND	-	1	1	2	1	1	2	1	1
Acute Lethality Test	Fail	-	-	-	-	-	1	-	-	-	-	-	1
<i>Daphnia magna</i>	Pass	ND	ND	ND	-	1	2	2	1	1	2	1	2
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	No radium 226 test results were provided for the second quarter. No toxicity test results were provided for the month of April; the test was scheduled on day of no flow.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required											
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.	Pass: ≤50% Mortality      Fail: >50% Mortality											
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name		Wabush (Scully Mine)											
Operator Name		Wabush Mines											
Product(s)		Iron											
Address		Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0											
Effluent Discharge Point		Shops East Discharge											
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	ND	ND	ND	0.006	0.005	0.004	0.011	0.002	0.007	0.005	0.002	0.002
CN (mg/L)	1.0	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	ND	ND	ND	0.010	0.010	0.003	0.012	0.002	0.006	0.005	0.002	0.002
Ni (mg/L)	0.5	ND	ND	ND	0.005	0.005	0.003	0.004	0.003	0.005	0.003	0.002	0.001
Zn (mg/L)	0.5	ND	ND	ND	0.031	0.056	0.049	0.057	0.029	0.077	0.059	0.028	0.046
TSS (mg/L)	15	ND	ND	ND	17,000	5,250	44,400	30,250	56,200	216,750	138,000	4,250	11,500
Ra-226 (Bq/L)	0.37	ND	ND	ND	-	-	-	0.010	NMR	NMR	0.010	NMR	NMR
pH low	≥6.0	ND	ND	ND	6.6	6.7	6.5	6.7	6.6	6.6	6.6	6.3	6.6
pH high	≤9.5	ND	ND	ND	6.8	6.9	7.8	7.0	7.1	6.8	7.1	6.8	6.8
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	225	2,232	9,912	18,576	33,176	12,765	12,772	12,885	3,069
Rainbow Trout	Pass	ND	ND	ND	NMR	NMR	1	2	NMR	NMR	-	2	2
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	2	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	NMR	NMR	1	1	NMR	NMR	2	2	2
Monitoring Test	Fail	-	-	-	-	-	-	1	-	-	-	-	-
<b>Comments:</b>		No radium 226 test results were provided for the second quarter.											
<b>Notes:</b>	ND: No Deposit NMR: No Measurement Required Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.	Pass: ≤50% Mortality						Fail: >50% Mortality					

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Wabush (Scully Mine)												
Operator Name	Wabush Mines												
Product(s)	Iron												
Address	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
Effluent Discharge Point	Shops South Discharge												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>													
<p>Notes: ND: No Deposit    NMR: No Measurement Required    Pass: ≤50% Mortality    Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A “Pass” for <i>Daphnia magna</i> monitoring test is not a requirement.</p>													

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name		Wabush (Scully Mine)													
Operator Name		Wabush Mines													
Product(s)		Iron													
Address		Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0													
Effluent Discharge Point		Tailings Discharge													
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.		
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001		
Cu (mg/L)	0.3	0.075	0.093	0.065	0.286	0.075	0.060	0.060	0.080	0.097	0.127	0.101	0.033		
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR		
Pb (mg/L)	0.2	0.093	0.098	0.096	0.128	0.063	0.024	0.074	0.078	0.058	0.079	0.096	0.049		
Ni (mg/L)	0.5	0.077	0.160	0.103	0.419	0.119	0.068	0.072	0.115	0.110	0.159	0.175	0.064		
Zn (mg/L)	0.5	0.787	0.478	0.481	0.979	0.681	0.335	0.152	0.263	0.216	0.365	0.380	0.133		
TSS (mg/L)	807 600	687 250.000	640 500.000	674 160.000	610 225.000	524 175.000	490 550.000	845 350.000	609 220.000	678 175.000	599 350.000	641 025.000	590 525.000		
Ra-226 (Bq/L)	0.37	0.040	NMR	NMR	0.010	NMR	NMR	0.020	NMR	NMR	0.030	NMR	NMR		
pH low	≥6.0	6.7	6.4	6.4	6.3	6.3	6.0	6.2	6.5	6.3	6.6	6.3	6.3		
pH high	≤9.5	7.3	7.1	6.9	6.7	6.7	6.8	6.6	7.0	6.6	7.0	6.8	6.8		
Flow (m <sup>3</sup> /month)	-	1 296 815	1 262 492	1 568 120	1 319 475	1 306 286	1 276 305	1 029 340	1 146 138	1 392 474	1 214 661	1 227 495	1 408 098		
Rainbow Trout	Pass	1	1	1	1	1	2	2	1	1	2	2	2		
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-		
<i>Daphnia magna</i>	Pass	1	1	1	1	1	1	2	1	1	2	2	2		
Monitoring Test	Fail	-	-	-	-	-	1	-	-	-	-	-	-		
<b>Comments:</b> Extended TA was granted for TSS limit of 807 600 mg/L. TA will expire on December 6, 2008.															
<b>Notes:</b>		ND: No Deposit				NMR: No Measurement Required				Pass: ≤50% Mortality				Fail: >50% Mortality	
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.															
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.															

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Wabush (Scully Mine)												
Operator Name	Wabush Mines												
Product(s)	Iron												
Address	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
Effluent Discharge Point	Tailings Line Emergency Dump Basin 1												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.005	ND	0.001
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	ND	0.001
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NMR	NMR	ND	NMR
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	ND	0.002
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.001	0.002	ND	0.001
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.013	ND	0.010
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	11.500	42.000	ND	5.000
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	0.010	0.010	ND	NMR
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	6.8	6.7	ND	7.0
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	7.3	7.1	ND	7.0
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	14 831	6 659	ND	2 895
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND	—
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND	—
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>	No toxicity test results were provided. The tests were scheduled on day of no flow.												
<b>Notes:</b>	ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Wabush (Scully Mine)												
Operator Name	Wabush Mines												
Product(s)	Iron												
Address	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
Effluent Discharge Point	West Pit Extension Settling Basin												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Cu (mg/L)	0.3	0.010	0.005	0.005	0.005	0.005	0.003	0.001	0.002	0.001	0.002	0.001	0.001
CN (mg/L)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
Pb (mg/L)	0.2	0.010	0.010	0.010	0.010	0.010	0.002	0.006	0.002	0.002	0.002	0.003	0.002
Ni (mg/L)	0.5	0.005	0.005	0.005	0.005	0.005	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Zn (mg/L)	0.5	0.033	0.066	0.006	0.008	0.006	0.020	0.005	0.006	0.005	0.007	0.011	0.009
TSS (mg/L)	15	2.500	4.750	2.800	4.000	17750	26800	25000	24600	40750	19000	5.250	2.000
Ra-226 (Bq/L)	0.37	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR	0.010	NMR	NMR
pH low	≥6.0	6.8	6.5	6.3	6.5	6.7	6.5	6.6	6.4	6.2	6.5	6.5	6.4
pH high	≤9.5	7.1	7.0	7.1	6.7	7.2	7.1	6.9	7.1	7.1	7.1	6.9	7.0
Flow (m <sup>3</sup> /month)	-	467 147	361 742	381 859	385 059	298 409	350 791	947 329	872 318	887 175	1 173 833	814 470	848 615
Rainbow Trout	Pass	1	NMR	NMR	1	NMR	1	2	NMR	NMR	2	2	2
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	1	NMR	NMR	1	NMR	1	2	NMR	NMR	2	2	2
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>													
Notes:	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													



## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

Mine/Mill Name	Williams Mine												
Operator Name	Williams Operating Corporation												
Product(s)	Gold												
Address	P.O. Bag 500, Marathon, Ontario P0T 2E0												
Effluent Discharge Point	Polishing Pond Discharge CP 400												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	ND	ND
Cu (mg/L)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.023	ND	ND
CN (mg/L)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.004	ND	ND
Pb (mg/L)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND
Ni (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND
Zn (mg/L)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.151	ND	ND
TSS (mg/L)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	50.400	ND	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	ND	ND
pH low	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.0	ND	ND
pH high	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.0	ND	ND
Flow (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 343	ND	ND
Rainbow Trout	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Acute Lethality Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<i>Daphnia magna</i>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
Monitoring Test	Fail	—	—	—	—	—	—	—	—	—	—	—	—

### Comments:

Notes: ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: >50% Mortality  
 Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
 A "Pass" for *Daphnia magna* monitoring test is not a requirement.

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Williams Mine												
Operator Name	Williams Operating Corporation												
Product(s)	Gold												
Address	P.O. Bag 500, Marathon, Ontario P0T 2E0												
Effluent Discharge Point	Stormwater Pond CP 102												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.002	ND
Cu (mg/L)	0.3	-	-	-	-	-	-	-	-	-	-	0.002	ND
CN (mg/L)	1.0	-	-	-	-	-	-	-	-	-	-	0.044	ND
Pb (mg/L)	0.2	-	-	-	-	-	-	-	-	-	-	0.001	ND
Ni (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.004	ND
Zn (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.021	ND
TSS (mg/L)	15	-	-	-	-	-	-	-	-	-	-	3.330	ND
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	-	-	-	-	0.004	ND
pH low	≥6.0	-	-	-	-	-	-	-	-	-	-	7.1	ND
pH high	≤9.5	-	-	-	-	-	-	-	-	-	-	7.4	ND
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	-	-	-	-	31 841	ND
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	1	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This new final discharge point became subject to the MMER in November 2005.												
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.												

## Metal Mining Effluent Regulations (MMER) 2005 Effluent Compliance

<b>Mine/Mill Name</b>	Williams Mine												
<b>Operator Name</b>	Williams Operating Corporation												
<b>Product(s)</b>	Gold												
<b>Address</b>	P.O. Bag 500, Marathon, Ontario P0T 2E0												
<b>Effluent Discharge Point</b>	Stormwater Pond CP 400 A												
<b>Parameters</b>	<b>Limits</b>	<b>Jan.</b>	<b>Feb.</b>	<b>March</b>	<b>April</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug.</b>	<b>Sep.</b>	<b>Oct.</b>	<b>Nov.</b>	<b>Dec.</b>
As (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.002	0.001
Cu (mg/L)	0.3	-	-	-	-	-	-	-	-	-	-	0.003	0.006
CN (mg/L)	1.0	-	-	-	-	-	-	-	-	-	-	0.023	0.033
Pb (mg/L)	0.2	-	-	-	-	-	-	-	-	-	-	0.001	0.002
Ni (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.010	0.017
Zn (mg/L)	0.5	-	-	-	-	-	-	-	-	-	-	0.034	0.041
TSS (mg/L)	15	-	-	-	-	-	-	-	-	-	-	7.330	2.800
Ra-226 (Bq/L)	0.37	-	-	-	-	-	-	-	-	-	-	0.003	0.006
pH low	≥6.0	-	-	-	-	-	-	-	-	-	-	7.7	7.4
pH high	≤9.5	-	-	-	-	-	-	-	-	-	-	7.8	7.7
Flow (m <sup>3</sup> /month)	-	-	-	-	-	-	-	-	-	-	-	34 502	80 331
Rainbow Trout	Pass	-	-	-	-	-	-	-	-	-	-	1	1
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	-	-	-	-	-	-	-	-	-	-	1	1
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b>	This new final discharge point became subject to the MMER in November 2005.												
<b>Notes:</b>	<p>ND: No Deposit      NMR: No Measurement Required      Pass: ≤50% Mortality      Fail: &gt;50% Mortality</p> <p>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</p> <p>A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.</p>												

**Metal Mining Effluent Regulations (MMER)**  
2005 Effluent Compliance

Mine/Mill Name	Williams Mine												
Operator Name	Williams Operating Corporation												
Product(s)	Gold												
Address	P.O. Bag 500, Marathon, Ontario P0T 2E0												
Effluent Discharge Point	Treated Effluent CP 0201												
Parameters	Limits	Jan.	Feb.	March	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
As (mg/L)	0.5	ND	ND	ND	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	ND
Cu (mg/L)	0.3	ND	ND	ND	0.006	0.011	0.017	0.011	0.015	0.009	0.019	0.019	ND
CN (mg/L)	1.0	ND	ND	ND	0.014	0.009	0.015	0.010	0.008	0.011	0.019	0.019	ND
Pb (mg/L)	0.2	ND	ND	ND	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	ND
Ni (mg/L)	0.5	ND	ND	ND	0.090	0.079	0.068	0.085	0.095	0.111	0.153	0.153	ND
Zn (mg/L)	0.5	ND	ND	ND	0.008	0.014	0.016	0.025	0.027	0.015	0.030	0.030	ND
TSS (mg/L)	15	ND	ND	ND	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	ND
Ra-226 (Bq/L)	0.37	ND	ND	ND	NMR	NMR	0.004	NMR	0.004	0.005	0.006	0.006	ND
pH low	≥6.0	ND	ND	ND	7.5	7.6	7.5	7.4	7.5	7.7	7.2	7.2	ND
pH high	≤9.5	ND	ND	ND	7.6	7.8	7.6	8.0	7.8	7.8	7.8	7.8	ND
Flow (m <sup>3</sup> /month)	-	ND	ND	ND	113 534	403 342	418 753	435 854	423 467	224 005	416 702	36 550	ND
Rainbow Trout	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	ND
Acute Lethality Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<i>Daphnia magna</i>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	ND
Monitoring Test	Fail	-	-	-	-	-	-	-	-	-	-	-	-
<b>Comments:</b> For the month of November, effluent was deposited on 3 days during the month.													
<b>Notes:</b>	ND: No Deposit	NMR: No Measurement Required										Pass: ≤50% Mortality	Fail: >50% Mortality
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for <i>Daphnia magna</i> monitoring test is not a requirement.													