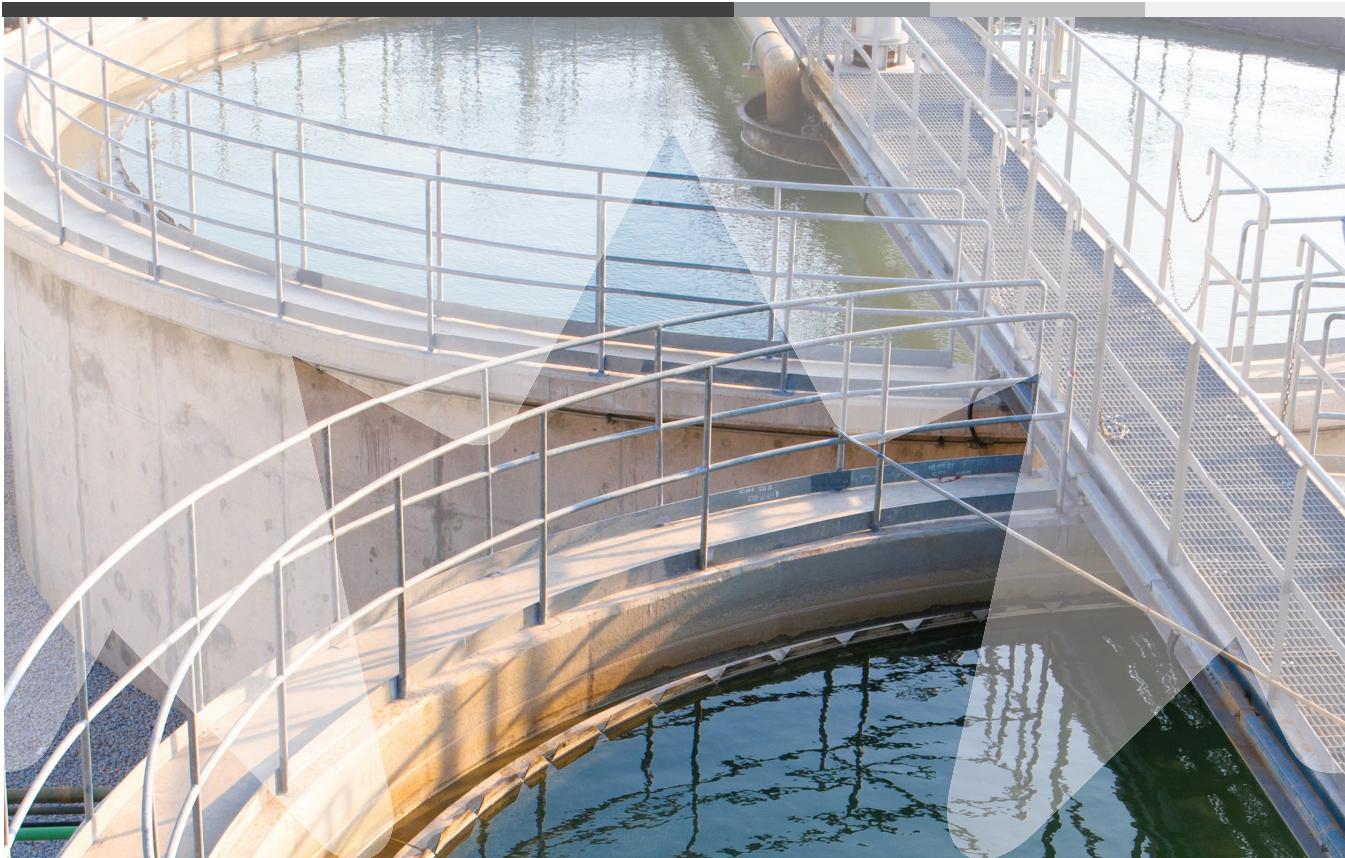




Environment and  
Climate Change Canada

Environnement et  
Changement climatique Canada



# 2014

STATUS REPORT ON THE PERFORMANCE  
OF METAL MINES SUBJECT TO  
**THE METAL MINING EFFLUENT REGULATIONS IN 2014**



Canada

Library and Archives Canada Cataloguing in Publication

Status Report on the Performance of Metal Mines Subject to the *Metal Mining Effluent Regulations* in 2014.

Annual

I/MM/24

Issued also in French under title: Rapport de situation sur la performance des mines de métaux assujetties au Règlement sur les effluents des mines de métaux en 2014.

Available also on the Internet.

ISSN: 1914-2145

Cat. no.: En11-14E-PDF

1. Mineral industries—Waste disposal—Canada—Statistics—Periodicals.
2. Mineral industries—Environmental aspects—Canada—Statistics—Periodicals.
3. Water—Pollution—Canada—Statistics—Periodicals.
4. Effluent quality—Canada—Evaluation—Statistics—Periodicals.
- I. Canada. Environment and Climate Change Canada. Mining and Processing Division.

TD428.M47R36 363.739'463

Information contained in this publication or product may be reproduced, in part or in whole, and by any means, for personal or public non-commercial purposes, without charge or further permission, unless otherwise specified.

You are asked to:

- Exercise due diligence in ensuring the accuracy of the materials reproduced;
- Indicate both the complete title of the materials reproduced, as well as the author organization; and
- Indicate that the reproduction is a copy of an official work that is published by the Government of Canada and that the reproduction has not been produced in affiliation with or with the endorsement of the Government of Canada.

Commercial reproduction and distribution is prohibited except with written permission from the Government of Canada's copyright administrator, Public Services and Procurement Canada (PSPC). For more information, please contact PSPC at 613-996-6886 or at [droitdauteur.copyright@tpsgc-pwgsc.gc.ca](mailto:droitdauteur.copyright@tpsgc-pwgsc.gc.ca).

Photos: © Thinkstock, 2017

© Her Majesty the Queen in Right of Canada, represented by the Minister of Environment and Climate Change, 2017

Aussi disponible en français

## **READERS' COMMENTS**

**Comments and inquiries about the content of this status report should be addressed to:**

Mining Section  
Mining and Processing Division  
Industrial Sectors, Chemicals and Waste Directorate  
Environmental Protection Branch  
Environment and Climate Change Canada  
Gatineau, Quebec  
Canada K1A 0H3

## **ERRATA**

During the final stages of the preparation of this status report, it was determined that information relating to two facilities is missing from the report.

One mining facility, the RioTinto Alcan Vaudreuil Refinery, was omitted from the report. This facility became subject to the *Metal Mining Effluent Regulations* in January 2014. A table for each of the two final discharge points for this facility was subsequently added to Appendix D, but it should be noted that the other tables and analysis presented in this report do not include this facility.

The submission of the annual report for the Detour Lake Mine was omitted from this status report. The operator of the Detour Lake Mine submitted the annual report for 2014 on February 10, 2016, which was after data was compiled for the preparation of this report. The annual report submitted for the Detour Lake Mine indicates that there was no deposit from the facility at any time in 2014.

## **REVIEW NOTICE**

This summary of the performance of metal mines subject to the *Metal Mining Effluent Regulations* has been reviewed by officials of the Mining and Processing Division of Environment and Climate Change Canada, and approved for public release. Approval for release does not necessarily signify that the content reflects the views and policies of Environment and Climate Change Canada.

The data used in this summary were provided to Environment and Climate Change Canada under section 22 of the Regulations, which requires mining facilities to submit reports to Environment and Climate Change Canada. The data were compiled by staff of the Mining Section of Environment and Climate Change Canada and are presented as provided by the facilities from their submitted reports.

This summary has been compiled to inform the regulated community, other stakeholders and the interested public on the performance of mining facilities subject to the Regulations. 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*.

## EXECUTIVE SUMMARY

This status report presents a summary of the performance of Canadian metal mines in 2014 with respect to the prescribed limits and requirements of the *Metal Mining Effluent Regulations*. This is the 12th annual report since the publication of the Regulations. The report provides information on mining facilities subject to the Regulations, effluent data, compliance performance and water bodies designated as tailing impoundment areas.

The *Metal Mining Effluent Regulations* came into force in 2002 pursuant to the *Fisheries Act* to regulate the deposit of mine effluent and mine waste into waters frequented by fish. The Regulations set out limits for certain deleterious substances, prohibit the discharge of effluent that is acutely lethal to rainbow trout, and specify the requirements for carrying out effluent sampling, reporting and environmental effects monitoring.

In 2014, 125 metal mining facilities in Canada were subject to the Regulations. These facilities are located in all provinces and territories except Alberta and Prince Edward Island. Most facilities were located in Ontario and Quebec, which have 40 and 32 facilities respectively.

It was determined that 44 mining facilities subject to the Regulations (35%) provided incomplete effluent monitoring information, including 6 mining facilities that did not provide any effluent monitoring reports in 2014. Of the remaining 38 facilities, the vast majority of reporting issues were attributed to one or more missing toxicity and radium-226 test results. The compliance statistics presented in this report were compiled on the basis of the information provided in the annual report submissions and do not include unreported data.

Overall, 99.5% of data reported in 2014 were in compliance with the prescribed monthly mean limits for metals, cyanide and total suspended solids (TSS), and the pH limits, the same as in 2013. Most of the exceedances reported in 2014 were for TSS (48%), pH (18%) and nickel (12%). All of the deleterious substances had a compliance rate of at least 99%, except for TSS, which had a compliance rate of 97.6%. Of the exceedances reported, most were from facilities in the base metals mining subsector.

Overall, 99.0% of test data reported in 2014 showed mining facilities to be in compliance with the requirement that effluent not be acutely lethal to rainbow trout. This is an improvement from the 2013 compliance rate of 96.8%. Additionally, 96.5% of *Daphnia magna* monitoring test results reported in 2014 showed a mortality rate of less than 50%, which is also an improvement from the 2013 rate of 93.6%.

Schedule 2 of the Regulations lists water bodies designated as tailings impoundment areas. In 2014, no new water bodies were added to the 19 water bodies already listed on Schedule 2 of the Regulations. These water bodies are associated with the activities of 12 mining facilities.

The electronic version of this status report is available through Environment and Climate Change Canada's online publications catalogue at <https://www.ec.gc.ca/Publications/default.asp?lang=En>.

# TABLE OF CONTENTS

READERS' COMMENTS .....	i
REVIEW NOTICE .....	ii
EXECUTIVE SUMMARY .....	iii
1 INTRODUCTION .....	2
2 ASSESSMENT OF PERFORMANCE IN MEETING MMER REQUIREMENTS .....	3
2.1 Overview of Mining Facilities Subject to the Regulations .....	3
2.2 Compliance Assessment for Reporting Requirements .....	5
2.3 Compliance Assessment for Prescribed Deleterious Substances and pH .....	6
2.4 Assessment of Results of Rainbow Trout Acute Lethality and <i>Daphnia Magna</i> Monitoring Tests .....	10
3 WATER BODIES DESIGNATED AS TAILINGS IMPOUDMENT AREAS .....	12
REFERENCES .....	14
LIST OF ACRONYMS AND ABBREVIATIONS .....	15

# LIST OF APPENDICES

APPENDIX A: MINING FACILITIES WITH NEW REGULATORY STATUS IN 2014 .....	16
APPENDIX B: MINING FACILITIES SUBJECT TO THE METAL MINING EFFLUENT REGULATIONS IN 2014 .....	17
APPENDIX C: PERFORMANCE SUMMARY OF MINE EFFLUENTS IN 2014 .....	27
APPENDIX D: EFFLUENT QUALITY DATA FOR MINING FACILITIES IN 2014 .....	47

## **LIST OF TABLES**

TABLE 1: DISTRIBUTION OF MINING FACILITIES AND FINAL DISCHARGE POINTS IN 2014, BY JURISDICTION .....	4
TABLE 2: DISTRIBUTION OF FINAL DISCHARGE POINTS IN 2014, PER MINING FACILITY.....	4
TABLE 3: COMPLIANCE SUMMARY FOR PRESCRIBED DELETERIOUS SUBSTANCES AND PH IN 2014.....	6
TABLE 4: SUMMARY OF EXCEEDANCES TO PRESCRIBED LIMITS IN 2014 .....	6
TABLE 5: DISTRIBUTION OF EXCEEDANCES IN 2014, BY JURISDICTION .....	9
TABLE 6: DISTRIBUTION OF EXCEEDANCES IN 2014, BY METAL MINING SUBSECTOR .....	9
TABLE 7: PERFORMANCE SUMMARY: RAINBOW TROUT ACUTE LETHALITY AND DAPHNIA MAGNA MONITORING TESTS IN 2014, BY JURISDICTION .....	10
TABLE 8: PERFORMANCE SUMMARY: RAINBOW TROUT ACUTE LETHALITY AND DAPHNIA MAGNA MONITORING TESTS IN 2014, BY MINING SUBSECTOR.....	11
TABLE 9: WATER BODIES LISTED ON SCHEDULE 2 OF THE MMER .....	13

## **LIST OF FIGURES**

FIGURE 1: LOCATION OF ALL MINING FACILITIES SUBJECT TO THE METAL MINING EFFLUENT REGULATIONS IN 2014 .....	3
FIGURE 2: MINING FACILITIES PER SUBSECTOR IN 2014 .....	4
FIGURE 3: DISTRIBUTION OF MINING FACILITIES FOR WHICH EXCEEDANCES WERE REPORTED IN 2014, BY JURISDICTION .....	8
FIGURE 4: DISTRIBUTION OF EXCEEDANCES IN 2014, BY JURISDICTION .....	8
FIGURE 5: FACILITIES WITH WATER BODIES LISTED ON SCHEDULE 2 OF THE MMER (DECEMBER 2014) .....	12

# 1 INTRODUCTION

The Metal Mining Effluent Regulations (MMER), enacted in 2002, were developed under subsections 34(2), 36(5) and 38(9) of the *Fisheries Act* to regulate the deposit of mine effluent and mine waste into waters frequented by fish. The Regulations were first published on June 6, 2002, and came into force on December 6, 2002. Metal mining facilities are authorized under section 4 and 5 of the Regulations to discharge mine effluent containing specified deleterious substances into waters frequented by fish and to deposit mine waste into water bodies listed in Schedule 2 of the Regulations. The Regulations are administered by Environment and Climate Change Canada and apply to both new and existing metal mining facilities that have deposited more than 50 m<sup>3</sup> of effluent per day at any time since the Regulations came into force.

Mining facilities are required to manage all their effluent and to only discharge effluent through an authorized final discharge point (FDP). All effluent must meet the concentration-based limits for the eight substances listed in Schedule 4 of the Regulations and the minimum and maximum allowable pH and must not be acutely lethal to rainbow trout as specified in subsection 4(1) of the Regulations. The Regulations also specify effluent testing, reporting and environmental effects monitoring requirements for facilities. The full text of the Regulations outlining all the requirements is published in Part II of the *Canada Gazette* and is available online at: <http://laws-lois.justice.gc.ca/eng/regulations/SOR-2002-222/index.html>.

This report is a summary of the performance of mining facilities in meeting the monthly mean limits of Schedule 4, the pH limits and the toxicity testing requirements of the MMER. The performance summary is presented in Section 2 of this status report, which also summarizes the compliance of mining facilities with the reporting requirements needed to complete the performance analysis of this report. In addition, the mining facilities that are associated with water bodies on Schedule 2 of the MMER are presented in Section 3. Supplementary information on individual facilities is provided in the appendices.

This report was developed on the basis of the data provided by the owners and operators of mining facilities. Sections 21 and 22 of the Regulations require facilities to submit annual and quarterly reports of the effluent sampling results required under the Regulations. Each mining facility subject to the MMER is required to provide these reports until the facility becomes a recognized closed mine as per Part 4 of the Regulations. Annual reports provided by the mining facilities are due by March 31 of the following year and include the following information for each final discharge point:

- monthly mean concentrations for deleterious substances including metals, cyanide and total suspended solids;
- monthly pH range;
- monthly effluent volume; and
- summary results of rainbow trout acute lethality tests and *Daphnia magna* monitoring tests.

The information from the 2014 annual reports was compiled by the Mining Section of Environment and Climate Change Canada and was used to calculate the compliance statistics presented in Section 2 of this status report. The data contained in this status report are generally presented as submitted by the owners or operators of the mining facilities in their annual reports. In some cases, quarterly reports were used to correct or complete missing information that had not been properly reported by the owner or operator of a mining facility in their annual report. The compliance statistics in this status report do not include data that were missing from both the annual and quarterly reports. An annual summary of the compliance data for each final discharge point is included in Appendix D.

The MMER are enforced by Environment and Climate Change Canada in accordance with the provisions of the Compliance and Enforcement Policy for the Habitat Protection and Pollution Prevention Provisions of the *Fisheries Act* (Environment Canada 2001c). Enforcement personnel administer the provisions of the *Fisheries Act* 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. The policy sets out a range of possible responses to offences that can be used by enforcement inspectors, including warnings, inspector's directions, 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 offence, effectiveness in achieving the desired result with the offender and consistency.

# 2 ASSESSMENT OF PERFORMANCE IN MEETING MMER REQUIREMENTS

## 2.1 OVERVIEW OF MINING FACILITIES SUBJECT TO THE REGULATIONS

In 2014, 125 metal mining facilities in Canada were subject to the Regulations,<sup>1</sup> compared to 121 in 2013 and 73 in 2003 (the first full year of reporting). Four new facilities became subject to the Regulations and two facilities became recognized closed mines (see Appendix A for a list of facilities with new regulatory status in 2014). In 2014, the facilities subject to the Regulations reported having 226 final discharge points (FDPs), compared with 216 in 2013 and 119 in 2003. The number of FDPs per facility ranged from 1 to 11, as detailed in Table 2. Of the mining facilities having reported under the MMER, 78 FDPs had discharge in 12 months of the year, 95 FDPs had discharge in 1 to 11 months of the year, and 54 FDPs had no discharge in 2014.

Metal mining facilities subject to the Regulations are located in all provinces and territories except for Alberta and Prince Edward Island. Most facilities were located in Ontario and Quebec, which have 40 and 32 facilities respectively. A complete list of the facilities subject to the Regulations is provided in Appendix B, and a map illustrating their location is presented in Figure 1. The distribution of mining facilities and final discharge points per jurisdiction is shown in Table 1.

As illustrated in Figure 2, there are 61 (49% of the 125 mining facilities subject to the MMER) precious metal mining facilities,<sup>2</sup> 45 (36%) base metal mining facilities,<sup>3</sup> 7 (6%) iron ore mining facilities, 7 (6%) other metal mining facilities<sup>4</sup> and 5 (4%) uranium mining facilities. Mining facilities that produce more than one metal are assigned the mining subsector of the metal whose production represents the highest monetary value for the facility.

**TABLE 1: DISTRIBUTION OF MINING FACILITIES AND FINAL DISCHARGE POINTS IN 2014, BY JURISDICTION**

Jurisdiction	Number of Mining Facilities	Number of Final Discharge Points
British Columbia	12	33
Yukon	3	3
Saskatchewan	9	19
Manitoba	10	13
Northwest Territories	3	6
Nunavut	2	4
Ontario	40	61
Quebec	32	55
New Brunswick	3	3
Newfoundland and Labrador	10	28
Nova Scotia	1	1
<b>Total</b>	<b>125</b>	<b>226</b>

**TABLE 2: DISTRIBUTION OF FINAL DISCHARGE POINTS IN 2014, PER MINING FACILITY**

Number of Final Discharge Points	Number of Mining Facilities
1	87
2	12
3	11
4	6
5	3
6	3
7	2
11	1

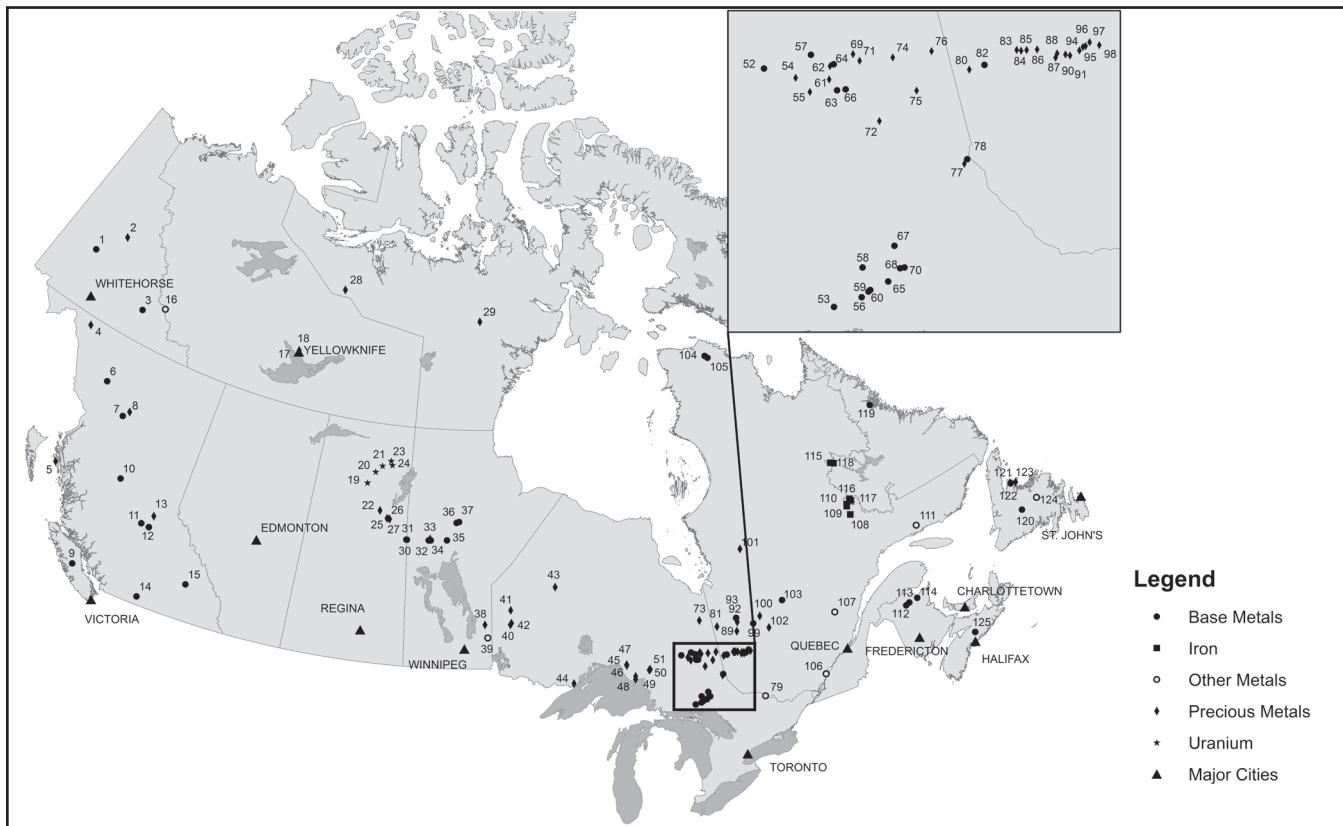
<sup>1</sup> For the purpose of this report, the number of mining facilities subject to the MMER refers to the facilities subject to the effluent monitoring conditions set out in Division 2 of the MMER and excludes any facility that obtained a recognized closed mine status in accordance with Part 4 of the MMER.

<sup>2</sup> For the purpose of this report, the precious metals subsector includes gold, palladium, platinum and silver.

<sup>3</sup> The base metals subsector includes copper, lead, molybdenum, nickel and zinc.

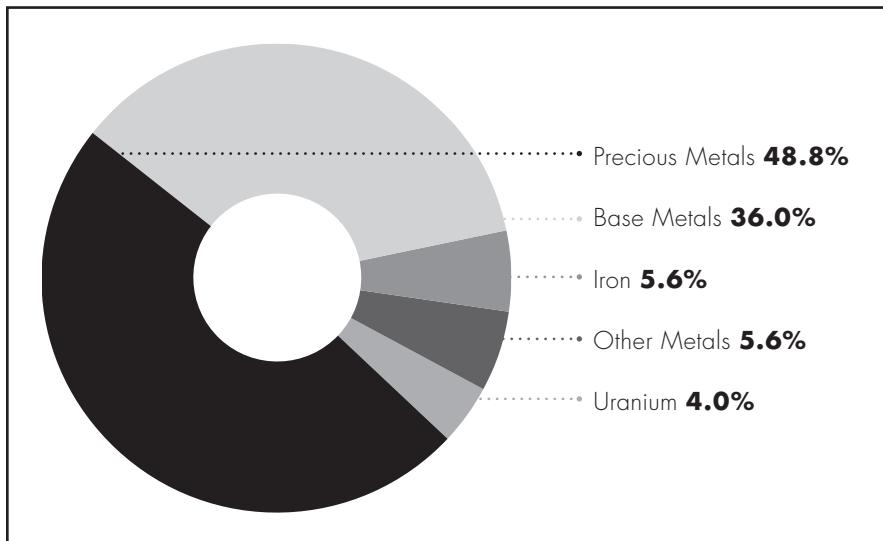
<sup>4</sup> The other metals subsector includes metals such as antimony, cadmium, cesium, calcium, cobalt, indium, lithium, magnesium, niobium, rubidium, selenium, strontium, tantalum, tellurium, titanium and tungsten.

**FIGURE 1:** Location of All Mining Facilities Subject to the Metal Mining Effluent Regulations in 2014



Note: The numbers used to identify the facilities in Figure 1 correspond to column 1 of the table presented in Appendix B.

**FIGURE 2:** Mining Facilities per Subsector in 2014



## 2.2 COMPLIANCE ASSESSMENT FOR REPORTING REQUIREMENTS

Environment and Climate Change Canada officials reviewed the data included in the annual reports provided by the owners or operators of mining facilities and evaluated compliance with key reporting requirements of the MMER. The following types of missing information were identified and described in the comment section of Appendix D for each FDP:

- No annual report was submitted;
- One or more quarterly reports were not submitted;
- No test results were provided for one or more deleterious substances for one or more months;
- No pH results were provided for one or more months;
- No toxicity test results were provided for one or more months; and
- No effluent volume was provided for one or more months.

This missing information was tallied and used to determine that 44 mining facilities (35% of the overall 125 facilities subject to the MMER) provided incomplete effluent monitoring information for 61 different FDPs. The majority of reporting issues were attributed to missing toxicity and radium-226 test results.

Of the 44 mining facilities missing some information, the following 6 provided no effluent monitoring reports in 2014 (i.e., no annual and quarterly reports) and were not included in the calculation of compliance statistics:

- Clavos Mine, Sage Gold Inc.;
- Detour Lake Mine, Detour Gold Corporation;
- Edwards Mine, Strike Minerals;
- Haley Plant, Timminco Limited;
- Restigouche Mine, Blue Note Mining Inc./Province of New Brunswick; and
- Yellow Giant Mine, Banks Island Gold Limited.

The Yellow Giant Mine became subject to the MMER for the first time in August 2014, but the other five facilities were subject to the MMER in previous years and have not been identified as recognized closed mines according to Part 4 of the Regulations. As part of the quality review of the data presented in this report, missing annual and quarterly reports were verified with Enforcement Branch personnel.

## 2.3 COMPLIANCE ASSESSMENT FOR PRESCRIBED DELETERIOUS SUBSTANCES AND PH

Overall, 99.5%<sup>5</sup> of data reported in 2014 were in compliance with the prescribed monthly mean limits<sup>6</sup> for metals, cyanide and total suspended solids (TSS) and with the pH limits,<sup>7</sup> the same overall compliance rate as in 2013. The total number of exceedances increased from 57 in 2013 to 73 in 2014. In 2014, most of the exceedances reported were for TSS (48%), pH (18%) and nickel (12%). In 2013, most of the exceedances reported were for TSS (53%), radium-226 (12%) and copper (7%).

In 2014, the compliance rate for arsenic increased slightly to 99.9% from 99.8% in 2013. The compliance rate for copper remained unchanged at 99.7%. The compliance rate for cyanide increased from 99.3% in 2013 to 99.8% in 2014. As in the past few years, reported monthly means in 2014 were 100% compliant with the prescribed limit for lead. The compliance rates for nickel and zinc both dropped slightly from 99.8% in 2013 to 99.3% and 99.6%, respectively. The compliance rate for radium-226 increased slightly from 99.2% in 2013 to 99.5% in 2014.

In 2014, the reported monthly means for total suspended solids were 97.6% compliant with the prescribed limit for TSS, down slightly from 97.9% in 2013. Although the majority of TSS exceedances reported were sporadic, six facilities reported more frequent TSS exceedances in 2014: the Mont-Wright Mine, Fire Lake Mine and Complexe métallurgique Sorel-Tracy in Quebec, the Copper Cliff Complex in Ontario, the Huckleberry Mine in British Columbia, and the Iron Ore Company of Canada—Carol Project in Newfoundland and Labrador.

In 2014, 99.3% of the facilities' lowest reported pH value for each month met the minimum pH limit, a slight decrease from 99.8% in 2013. The facilities' highest reported pH value for each month met the maximum pH limit 99.8% of the time, which is similar to the rate in 2013 of 99.9%.

Summaries of the numbers of exceedances and compliance rates for the prescribed monthly concentration limits and pH limits are presented in Tables 3 and 4.

**TABLE 3: COMPLIANCE SUMMARY FOR PRESCRIBED DELETERIOUS SUBSTANCES AND PH IN 2014**

	As	Cu	CN	Pb	Ni	Zn	TSS	Ra-226	pH Low	pH High
Number of exceedances	1	4	1	0	9	6	35	4	10	3
Number of results reported	1,373	1,377	452	1,373	1,374	1,388	1,477	868	1,477	1,477
Compliance rate (%)	99.9	99.7	99.8	100	99.3	99.6	97.6	99.5	99.3	99.8

**TABLE 4: SUMMARY OF EXCEEDANCES TO PRESCRIBED LIMITS IN 2014**

Substance/Parameter	# of Exceedances	% of Total Exceedances	# of Mining Facilities
Arsenic	1	1%	1
Copper	4	5%	2
Cyanide	1	1%	1
Lead	—	—	—
Nickel	9	12%	6
Zinc	6	8%	4
TSS	35	48%	17
Radium-226	4	5%	3
pH	13	18%	6
<b>Total</b>	<b>73</b>	<b>100%</b>	<b>N/A</b>

<sup>5</sup> This percentage represents the average of all the compliance rates listed in Table 3.

<sup>6</sup> The maximum authorized monthly mean concentrations for the eight prescribed deleterious substances are listed in column 2 of Schedule 4 of the MMER. The Regulations also set maximum concentrations for each sample (column 3 and 4 of Schedule 4). The compliance analysis in this report only examines exceedances on a monthly average basis.

<sup>7</sup> The minimum and maximum allowable pH in any effluent sample is specified in paragraph 4(1)(b) of the MMER. The compliance analysis in this report only takes into consideration the lowest and highest pH values for each month.

In 2014, 32 mining facilities (26% of the 125 facilities subject to the MMER) reported at least one exceedance of the prescribed limits for metals, cyanide and TSS and of the pH limits. The Copper Cliff Complex in Ontario reported 15 exceedances (21% of 73 total exceedances) and the Mont-Wright Mine reported 10 exceedances (13% of 73 total exceedances). The distribution of reported exceedances in 2014 per jurisdiction is as follows:

- 27 (37% of 73 total exceedances) occurred from facilities located in Quebec;
- 24 (33% of 73 total exceedances) occurred from facilities located in Ontario;
- 9 (12% of 73 total exceedances) occurred from facilities located in British Columbia;
- 8 (11% of 73 total exceedances) occurred from facilities located in Newfoundland and Labrador;
- 2 (3% of 73 total exceedances) occurred from facilities located in Manitoba; and
- New Brunswick, Nunavut and Yukon each had one (1% of 73 total exceedances).

No exceedances of prescribed monthly mean limits for metals, cyanide and TSS or of the pH limits were reported in 2014 from mining facilities located in Saskatchewan, Northwest Territories and Nova Scotia. Distributions of facilities and exceedances of the prescribed limits and pH limits per jurisdiction are presented in figures 3 and 4 and Table 5.

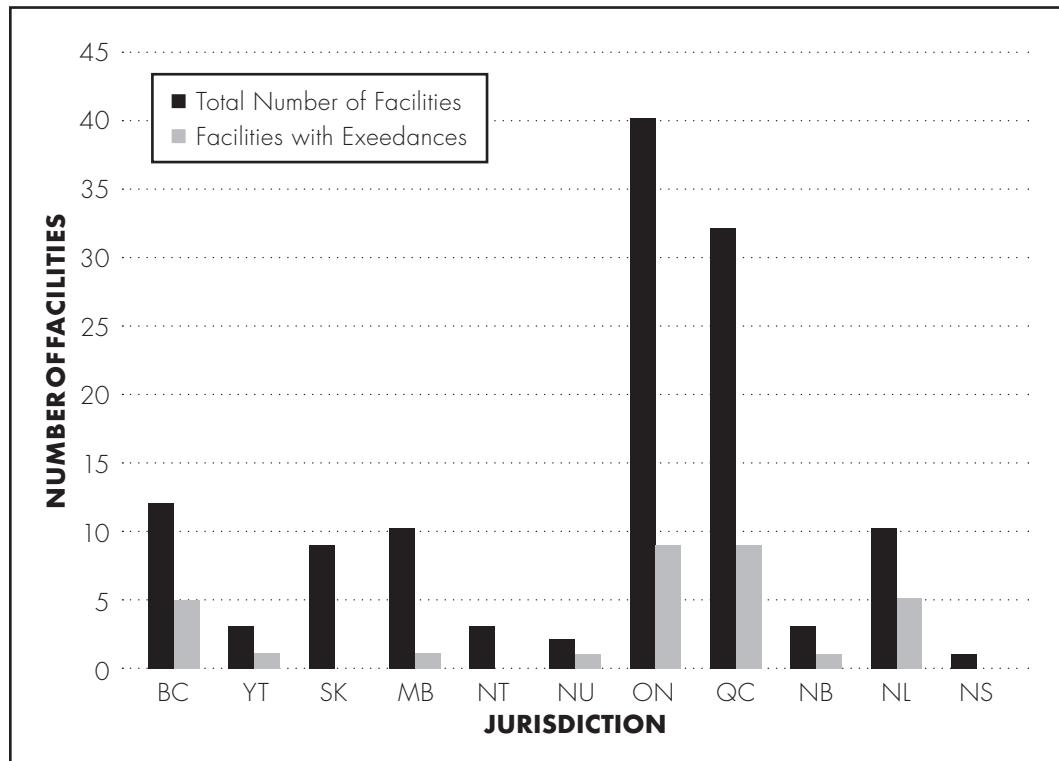
The distribution of reported exceedances in 2014 by mining subsector is as follows:

- 36 (49% of 73 total exceedances) occurred from the base metals subsector;
- 21 (29% of 73 total exceedances) occurred from the iron ore subsector;
- 12 (16% of 73 total exceedances) occurred from the precious metals subsector;
- 4 (5% of 73 total exceedances) occurred from mining facilities producing other metals.

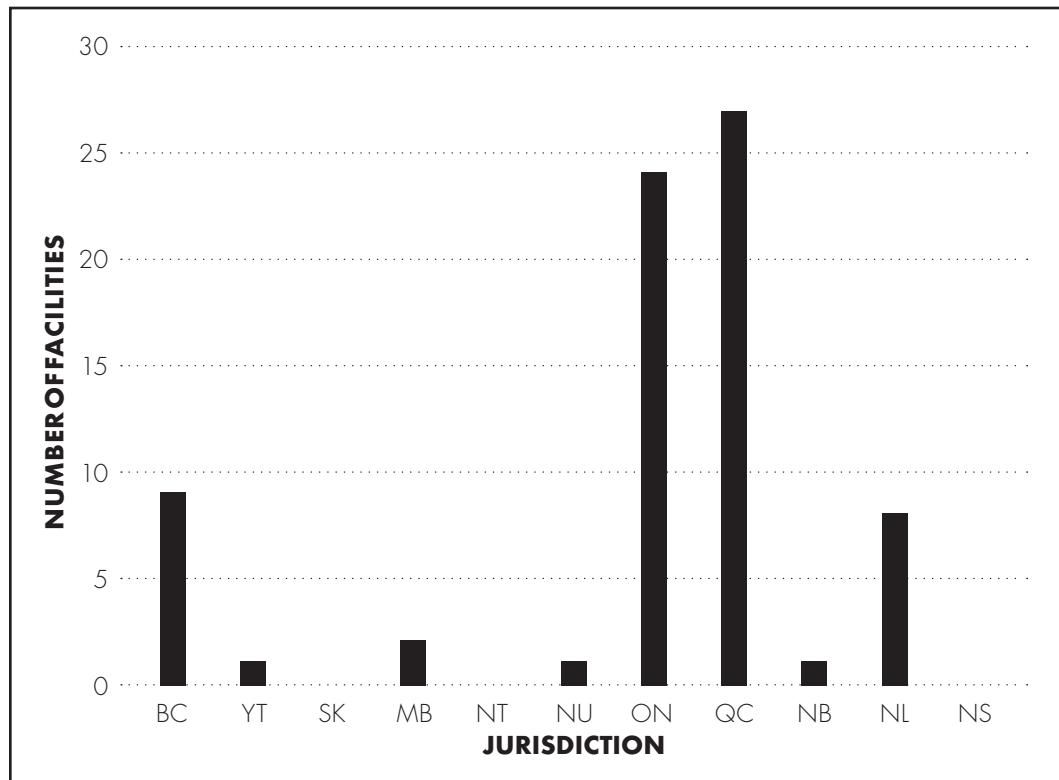
The uranium subsector did not have any exceedances for 2014. The distribution of reported exceedances of prescribed monthly mean limits for metals, cyanide and TSS and of pH limits by mining subsector in 2014 is presented in Table 6.

The performance of each final discharge point at all the mining facilities are detailed in Appendix C (Table C1) and Appendix D.

**FIGURE 3:** Distribution of Mining Facilities for Which Exceedances Were Reported in 2014, by Jurisdiction



**FIGURE 4:** Distribution of Exceedances in 2014, by Jurisdiction



**TABLE 5: DISTRIBUTION OF EXCEEDANCES IN 2014, BY JURISDICTION**

<b>Jurisdiction</b>	<b>As</b>	<b>Cu</b>	<b>CN</b>	<b>Pb</b>	<b>Ni</b>	<b>Zn</b>	<b>TSS</b>	<b>Ra-226</b>	<b>pH</b>	<b>Total</b>	<b># of Facilities</b>
British Columbia	—	—	—	—	—	1	8	—	—	<b>9</b>	5
Yukon	—	—	—	—	—	—	1	—	—	<b>1</b>	1
Saskatchewan	—	—	—	—	—	—	—	—	—	—	—
Manitoba	—	—	—	—	—	—	—	2	—	<b>2</b>	1
Northwest Territories	—	—	—	—	—	—	—	—	—	—	—
Nunavut	—	—	—	—	—	—	1	—	—	<b>1</b>	1
Ontario	1	3	—	—	6	1	6	1	6	<b>24</b>	9
Quebec	—	1	—	—	2	4	14	1	5	<b>27</b>	9
New Brunswick	—	—	—	—	—	—	—	—	1	<b>1</b>	1
Newfoundland and Labrador	—	—	1	—	1	—	5	—	1	<b>8</b>	5
Nova Scotia	—	—	—	—	—	—	—	—	—	—	—
<b>Total</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>—</b>	<b>9</b>	<b>6</b>	<b>35</b>	<b>4</b>	<b>13</b>	<b>73</b>	<b>32</b>

**TABLE 6: DISTRIBUTION OF EXCEEDANCES IN 2014, BY METAL MINING SUBSECTOR**

<b>Subsector</b>	<b>As</b>	<b>Cu</b>	<b>CN</b>	<b>Pb</b>	<b>Ni</b>	<b>Zn</b>	<b>TSS</b>	<b>Ra-226</b>	<b>pH</b>	<b>Total</b>	<b># of Facilities</b>
Base metals	—	3	—	—	7	5	10	3	8	<b>36</b>	13
Precious metals	1	1	1	—	1	1	6	—	1	<b>12</b>	11
Uranium	—	—	—	—	—	—	—	—	—	—	—
Iron	0	—	—	—	—	—	16	1	4	<b>21</b>	6
Other metals	—	—	—	—	1	—	3	—	—	<b>4</b>	2
<b>Total</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>—</b>	<b>8</b>	<b>6</b>	<b>35</b>	<b>4</b>	<b>13</b>	<b>73</b>	<b>32</b>

## 2.4 ASSESSMENT OF RESULTS OF RAINBOW TROUT ACUTE LETHALITY AND DAPHNIA MAGNA MONITORING TESTS

Overall, 99.0% of test data reported in 2014 showed mining facilities to be in compliance with the requirement that effluent not be acutely lethal to rainbow trout. This is an improvement from the 2013 compliance rate of 96.8%. In 2014, only five facilities reported a total of 10 rainbow trout acute lethality test results with mortality above 50%. Three of these facilities were in Quebec, one was in Ontario and one was in Newfoundland and Labrador. Two facilities, one in Quebec (Éléonore Mine) and one in Ontario (Copper Cliff Complex), failed three rainbow trout acute lethality tests each and the three other facilities failed only one test each. The facilities that reported failure of the acute lethality test in 2014 were divided among the iron ore, precious metals and base metals mining subsectors (Table 8).

Overall, 96.5% of *Daphnia magna* monitoring test results reported in 2014 showed a mortality rate of less than 50%, an improvement from 93.6% in 2013. In 2014, 16 facilities reported *Daphnia magna* monitoring test results showing mortality above 50%. Most *Daphnia magna* monitoring tests that resulted in mortality above 50% occurred in mining facilities located in Manitoba (34% of 35 total failed tests), Ontario (26% of 35 total failed tests) and Quebec (23% of 35 total failed tests). The facilities that reported failures of the *Daphnia magna* monitoring test in 2014 were mainly in the base and precious metals mining subsectors (Table 8).

Summaries of the performance of mining facilities in meeting the requirement that effluent not be acutely lethal to rainbow trout and the requirement to monitor for acute lethality to *Daphnia magna* are presented in tables 7 and 8.

The performance of each final discharge point at all facilities in meeting the requirement that effluent not be acutely lethal to rainbow trout and the results of each *Daphnia magna* monitoring test are presented in Appendix C (Table C2) and Appendix D.

**TABLE 7: PERFORMANCE SUMMARY: RAINBOW TROUT ACUTE LETHALITY AND DAPHNIA MAGNA MONITORING TESTS IN 2014, BY JURISDICTION**

Jurisdiction	Rainbow Trout Acute Lethality Tests			Daphnia magna Monitoring Tests		
	Total # of Tests	>50% Mortality		Total # of Tests	>50% Mortality	
		# of Tests	# of Facilities		# of Tests	# of Facilities
British Columbia	92	—	—	81	—	—
Yukon	17	—	—	17	—	—
Saskatchewan	51	—	—	51	1	1
Manitoba	51	—	—	51	12	3
Northwest Territories	12	—	—	14	1	1
Nunavut	15	—	—	15	1	1
Ontario	258	3	1	270	9	4
Quebec	327	6	3	330	8	4
New Brunswick	22	—	—	22	—	—
Newfoundland and Labrador	146	1	1	146	3	2
Nova Scotia	4	—	—	4	—	—
<b>Total</b>	<b>995</b>	<b>10</b>	<b>5</b>	<b>1,001</b>	<b>35</b>	<b>16</b>

**TABLE 8: PERFORMANCE SUMMARY: RAINBOW TROUT ACUTE LETHALITY AND DAPHNIA MAGNA MONITORING TESTS IN 2014, BY METAL MINING SUBSECTOR**

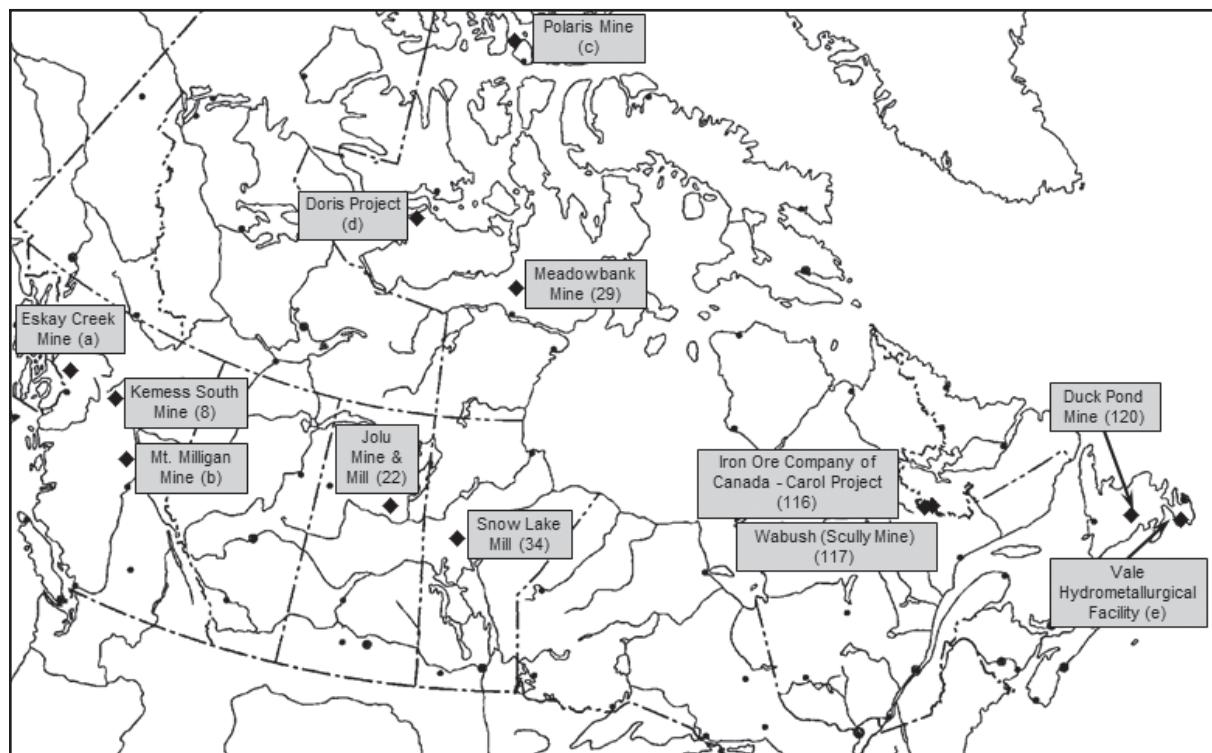
Subsector	Rainbow Trout Acute Lethality Tests			Daphnia magna Monitoring Tests		
	>50% Mortality		# of Facilities	>50% Mortality		# of Facilities
	Total # of Tests	# of Tests		Total # of Tests	# of Tests	
Base metals	312	3	1	301	21	8
Precious metals	407	4	2	420	11	5
Uranium	31	—	—	31	—	—
Iron	172	3	2	178	1	1
Other metals	73	—	—	71	2	2
<b>Total</b>	<b>995</b>	<b>10</b>	<b>5</b>	<b>1,001</b>	<b>35</b>	<b>16</b>

### 3 WATER BODIES DESIGNATED AS TAILINGS IMPOUNDMENT AREAS

The MMER regulate the deposit of mine waste (effluent, waste rock, tailings, low-grade ore and overburden) into waters frequented by fish. Schedule 2 of the MMER lists water bodies designated as tailings impoundment areas (TIAs). TIAs are water bodies into which waste may be disposed. Water bodies are added to Schedule 2 via a regulatory amendment of the MMER. Additional information on the process for adding a water body to Schedule 2 via an amendment to the MMER is provided in the *Guidelines for the Assessment of Alternatives for Mine Waste Disposal* (Environment Canada 2013), available at <http://ec.gc.ca/pollution/default.asp?lang=En&n=125349F7-1>.

In 2014, no new water bodies were added to the 19 water bodies listed on Schedule 2 of the MMER. These water bodies are associated with the activities of 12 metal mining facilities (Table 9). Figure 5 illustrates the locations of facilities where water bodies have been designated as tailings impoundment areas.

**FIGURE 5:** Facilities With Water Bodies Listed on Schedule 2 of the MMER (December 2014)



Note: The numbers/letters shown on Figure 5 correspond to column 1 of Table 9.

**TABLE 9: WATER BODIES LISTED ON SCHEDULE 2 OF THE MMER**

<b>Map #*</b>	<b>Mining Facility Name</b>	<b>Prov./Terr.</b>	<b>Item #**</b>	<b>Water Body Name**</b>	<b>Year Added to Schedule 2</b>
8	Kemess South Mine	BC	3	South Kemess Creek	2006
22	Jolu Mine and Mill	SK	19	Mallard Lake	2011
29	Meadowbank Mine	NU	8	The northwest arm of Second Portage Lake	2008
34	Snow Lake Mill	MB	1	Anderson Lake	2006
116	Iron Ore Company of Canada—Carol Project	NL	10	A portion of Wabush Lake	2009
117	Wabush (Scully Mine)	NL	11	Flora Lake	2009
			12	A portion of an unnamed tributary stream to Flora Lake	2009
			13	A portion of an unnamed tributary stream to Flora Lake	2009
			14	A portion of an unnamed tributary stream to Flora Lake	2009
120	Duck Pond Mine	NL	6	Trout Pond	2006
			7	The headwater pond of a tributary to Gill's Pond Brook	2006
a	Eskay Creek Mine	BC	4	Albino Lake	2006
			5	Tom MacKay Lake	2006
b	Mt. Milligan Mine	BC	16	A portion of King Richard Creek	2010
			17	A portion of an unnamed tributary to Alpine Lake	2010
			18	A portion of an unnamed tributary to Alpine Lake	2010
c	Polaris Mine	NU	2	Garrow Lake	2006
d	Doris Project	NU	9	Tail Lake	2008
e	Vale Hydrometallurgical Facility	NL	15	Sandy Pond	2009

\*Note: The numbers in the first column of Table 9 or after the facility name in Figure 5 correspond to the numbers attributed to the mining facilities in Figure 1 and in column 1 of Appendix B. The facilities identified with letters are recognized closed mines or are not currently subject to the MMER as they have not discharged effluent above the threshold of 50 m<sup>3</sup> per day.

\*\*Note: The Item # in Table 9 identifies the item number as specified in Schedule 2 of the MMER. For the official names and complete description of the water body listings, please consult the full text of the MMER.

## **REFERENCES**

- Canada. 2002. *Fisheries Act: Metal Mining Effluent Regulations*. P.C. 2002-987, 2002 June 6, SOR/2002-222.
- Environment Canada. 2000a. Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout. Environmental Protection Series. 2nd ed., December 2000. Method Development and Applications Section, Environmental Technology Centre, Environment Canada, EPS 1/RM/13.
- Environment Canada. 2000b. Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to *Daphnia magna*. Environmental Protection Series. 2nd ed., December 2000. Method Development and Applications Section, Environmental Technology Centre, Environment Canada, EPS 1/RM/14.
- Environment Canada. 2001a. Guidance Document for the Sampling and Analysis of Metal Mining Effluents. Minerals and Metals Division, Environmental Protection Service, Environment Canada, EPS 2/MM/5.
- Environment Canada. 2001b. Guidance Document for Flow Measurement of Metal Mining Effluents. Minerals and Metals Division, Environmental Protection Service, Environment Canada, EPS 2/MM/4.
- Environment Canada. 2001c. Compliance and Enforcement Policy for the Habitat Protection and Pollution Prevention Provisions of the Fisheries Act. Enforcement Branch, Environment Canada.
- Environment Canada. 2013. Guidelines for the Assessment of Alternatives for Mine Waste Disposal. Mining and Processing Division, Environment Canada.
- Environment Canada. 2015. Summary Review of Performance of Metal Mines Subject to the *Metal Mining Effluent Regulations* in 2013. Mining and Processing Division, Environmental Stewardship Branch, 1/MM/23.

## LIST OF ACRONYMS AND ABBREVIATIONS

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

## **APPENDIX A: MINING FACILITIES WITH NEW REGULATORY STATUS IN 2014**

<b>MINING FACILITIES NEWLY SUBJECT TO THE MMER IN 2014</b>		<b>MINING FACILITIES THAT BECAME RECOGNIZED CLOSED MINES IN 2014</b>	
<b>Facility Name</b>	<b>Jurisdiction</b>	<b>Facility Name</b>	<b>Jurisdiction</b>
Bonanza Ledge Mine	British Columbia	Kemess South Mine	British Columbia
Mount Polley Mine	British Columbia	Santoy 7 Mine	Saskatchewan
Red Chris Mine	British Columbia		
Yellow Giant Mine	British Columbia		

## APPENDIX B: MINING FACILITIES SUBJECT TO THE METAL MINING EFFLUENT REGULATIONS IN 2014

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
1	Minto Project	Minto Explorations Ltd.	YT	Copper, gold, silver	3,600 t/d	Flotation	Active	20189
2	Bellekeroo Mine	Alexco Resource Corp.	YT	Silver, lead, zinc	400 t/d	Flotation	Suspended	
3	Wolverine Project	Yukon Zinc Corporation	YT	Zinc, copper, lead, silver, gold	1,700 t/d	Flotation	Active	20189
4	Yellowjacket Gold Mine	Athabasca Nuclear Corporation	BC	Gold	140 t/d	Gravity Concentration	Active	
5	Yellow Giant Mine	Banks Island Gold Ltd.	BC	Gold		Flotation	Facility under development	
6	Red Chris Mine	Red Chris Development Company Ltd.	BC	Copper, gold	estimated 30,000 t/d		Facility under development	
7	Huckleberry Mine	Huckleberry Mines Ltd.	BC	Copper, molybdenum, gold, silver	21,000 t/d	Flotation	Active	5146
8	Kemess South Mine	AuRico Gold Inc.	BC	Gold, copper	49,000 t/d	Flotation	Closed	20131
9	Myra Falls Operations	Nyrstar Myra Falls Ltd.	BC	Copper, zinc, lead, gold, silver	400 t/d	Flotation	Active	2372
10	Endako Mines	Thompson Creek Mining Ltd.	BC	Molybdenum	27,000 t/d	Flotation	Active	2794
11	Gibraltar Mine	Taseko Mines Ltd.	BC	Copper, molybdenum, silver	55,000 t/d	Flotation	Active	1303
12	Mount Polley Mine	Mount Polley Mining Corporation	BC	Copper, gold, silver	20,000 t/d (mill)	3 stage grinding, flotation	Suspended	5102
13	Bonanza Ledge Mine	Barkerville Gold Mines Ltd.	BC	Gold	annual production capacity 70,000 t		Active	
14	Copper Mountain Mine	Copper Mountain Mine (BC) Ltd.	BC	Copper, gold	35,000 t/d	Flotation	Active	
15	MAX Molybdenum Mine and Mill	Forty Two Metals Inc.	BC	Molybdenum	1,000 t/d (mill)	Flotation	Suspended	20174
16	Cantung Mine	North American Tungsten Corporation Ltd.	NT	Tungsten	1,100 t/d	Room & pillar, mechanized cut & fill & longhole	Active	20225
17	Con Mine	Miramar Northern Mining Ltd.	NT	Gold			Closed	

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
18	Giant Mine	Indian and Northern Affairs Canada	NT	Gold		Mining only—ore shipped to Con Mine	Closed	
19	Key Lake Operation	Cameco Corporation	SK	Uranium	Mill only—annual production capacity of 18 million pounds $\text{U}_3\text{O}_8$	leaching and solvent extraction	Suspended	1148
20	McArthur River Operation	Cameco Corporation	SK	Uranium	150 t/d	Crushing only—processed at Key Lake	Suspended	1149
21	Cigar Lake Project	Cameco Corporation	SK	Uranium	estimated annual production 8,164 t	Jet boring—processed at McClean Lake mill	Active	19397
22	Jolu Mill	Golden Band Resources Inc.	SK	Gold	700 t/d	Gravity, cyanidation	Suspended	25159
23	McClean lake Operation	AREVA Resources Canada Inc.	SK	Uranium	300 t/d	Leaching and solvent extraction	Active	4866
24	Rabbit Lake Operation	Cameco Corporation	SK	Uranium	Annual production capacity of 16 million pounds $\text{U}_3\text{O}_8$	Leaching and solvent extraction	Active	1147
25	Seabee Mine	Claude Resources Inc.	SK	Gold	800 t/d	Cyanidation	Active	23273
26	Santoy 7 Mine	Claude Resources Inc.	SK	Gold		Mining only—ore shipped to Seabee Mill	Closed	23273
27	Santoy 8 Mine	Claude Resources Inc.	SK	Gold	400 t/d	Mining only—ore shipped to Seabee Mill	Active	23273
28	Lupin Mine	MMG Resources Inc./Elgin Mining	NU	Gold			Suspended	
29	Meadowbank Mine	Agnico-Eagle Mines Ltd.	NU	Gold	8,500 t/d	Gravity, cyanidation,	Active	24216

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
30	Flin Flon Complex	Hudbay Minerals Inc.	MB	Copper, lead, zinc	5,500 t/d		Active	3414
31	Trout Lake Mine	Hudbay Minerals Inc.	MB	Copper, zinc, gold, silver	2,500 t/d	Flotation	Non active	21544
32	Chisel North Mine	Hudbay Minerals Inc.	MB	Zinc	750 t/d	Mining only—ore shipped to Stoll/Snow Lake Mill	Non active	21543
33	Snow Lake Mine	QMX Gold Corporation	MB	Gold	2,150 t/d	Cyanidation	Suspended	5219
34	Snow Lake Mill	Hudbay Minerals Inc.	MB	Copper, zinc, selenium, tellurium, silver	3,600 t/d	Flotation	Suspended	3411
35	Bucko Lake Mine	CaNickel Mining Ltd.	MB	Nickel	1,000 t/d	Flotation	Suspended	
36	Birchtree Mine	Vale Inco Ltd.	MB	Nickel, copper	3,175 t/d	Mining only—ore shipped to Thompson Complex	Active	
37	Thompson Complex	Vale Canada Ltd.	MB	Nickel, copper	12,000 t/d	Flotation	Active	
38	Rice Lake Gold Mine	San Gold Corporation	MB	Gold	1,250 t/d	Gravity concentration, flotation and carbon-in-leach (cyanide)	Active	11623
39	Tanco Mine	Tantalum Mining Corporation of Canada Ltd.	MB	Tantalum, lithium, cesium, rubidium	700 t/d Varies by commodity	Gravity, flotation, dry grinding, leach	Active	2278
40	Phoenix Gold Project/ Red Lake Mine	Rubicon Minerals Corporation	ON	Gold	1,250 t/d (permitted)		Facility under development	11852
41	Campbell Mine	Goldcorp Canada Ltd.	ON	Gold	≥1,000 t/d	Cyanidation	Active	2770
42	Red Lake Mine	Goldcorp Canada Ltd.	ON	Gold	600 t/d	Gravity, cyanidation, flotation	Active	2710
43	Musselwhite Mine	Goldcorp Canada Ltd.	ON	Gold	3,300 t/d	Cyanidation	Active	5656
44	Lac des Iles Mine	North American Palladium Ltd.	ON	Palladium, platinum, gold, copper, nickel, cobalt	15,000 t/d	Flotation	Active	7369
45	Williams Mine	Williams Operating Corporation	ON	Gold	10,000 t/d	Cyanidation, gravity	Active	3197

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
46	Golden Giant Mine	Newmont Canada Corporation	ON	Gold		Cyanidation	Closed	1400
47	David Bell Mine	Barrick Gold Corporation—DB Operating Corporation	ON	Gold	1,500 t/d	Mining only—ore shipped to Williams Mill	Closed	2869
48	Eagle River Mine	Wesdome Gold Mines Ltd.	ON	Gold	850 t/d	Mining only—ore shipped to River Gold Mill	Active	11123
49	Eagle River Mill (Mill, Mishi Pit, and Magnacon Mine)	Wesdome Gold Mines Ltd.	ON	Gold	1,000 t/d	Cyanidation	Active	10010
50	Island Gold Project	Richmont Mines Inc.	ON	Gold	850 t/d	Cyanidation	Active	11454
51	Edwards Mine	Strike Minerals Inc.	ON	Gold			Facility under development	
52	Montcalm Project	Glencore Canada Corporation	ON	Nickel, copper, cobalt		Ore shipped to Kidd Metallurgical Division	Suspended	27714
53	Shakespeare Nickel Mine	Wellgreen Platinum Ltd.	ON	Nickel, copper, cobalt, gold, platinum, palladium	Not available	Mining only—ore shipped to Xstrata's Strathcona Mill	Suspended	
54	Black Fox Mine	Brigus Gold Corporation/Primero Mining Corporation	ON	Gold	1,500 t/d	Mining only—ore shipped to Black Fox Mill Complex	Active	3810
55	Timmins West Complex	Lake Shore Gold Corporation	ON	Gold	Not available	Mining only, ore processed at Bell Creek Mill	Active	11794
56	Totten Mine	Vale Canada Ltd.	ON	Nickel, copper, precious metals	Designed to process 2,200 t/d	Facility under development		11878

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
57	Kidd Mining Division	Glencore Canada Corporation	ON	Zinc, copper, cadmium, indium, cobalt, selenium, silver, palladium, platinum	10,000 t/d	Mining only—ore shipped to Kidd Metallurgical Division	Active	10153
58	Sudbury Integrated Nickel Operations—Smelter	Glencore Canada Corporation	ON	Nickel, copper, cobalt, platinum, palladium	annual production 95,000 t		Active	1236; 11588
59	Cean Hill Mine	Vale Canada Ltd.	ON	Nickel, copper, cobalt, platinum	1,800 t/d	Mining only—ore shipped to Copper Cliff Complex—Clarabelle Mill	Active	11877
60	Lockerby Mine	First Nickel Inc.	ON	Copper, nickel, cobalt	700 t/d	Mining only—ore shipped to Strathcona Mill	Active	11238
61	Porcupine Gold Mines (Dome Mine, Owl Creek Pit, Parmour Mine)	Goldcorp Canada Ltd. and Goldcorp Inc.	ON	Gold	Not available	Cyanidation	Active	1941
62	Bell Creek Mine and Mill	Lake Shore Gold Corporation	ON	Gold	1,500 t/d	Carbon-in-leach (cyanide)	Active	11796
63	Redstone Mine	Northern Sun Mining Corporation	ON	Nickel	2,000 t/d (mill)	Flotation	Suspended	11514
64	Kidd Metallurgical Division	Glencore Canada Corporation	ON	Zinc, copper, cadmium, indium, cobalt, selenium, silver, palladium, platinum	10,000 t/d	Flotation	Active	2815
65	Copper Cliff Complex (includes Clarabelle Mill, smelter, Copper Cliff North, Copper Cliff South, Creighton, Gertrude, Frood, and Stobie Mines)	Vale Canada Ltd.	ON	Nickel, copper, cobalt, platinum	27,300 t/d for Clarabelle Mill	Flotation	Active	444; 1465; 10201; 10203; 10204; 10205; 26263

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
66	McWatters Mine	Northern Sun Mining Corporation	ON	Nickel	Not available	Mining only—ore shipped to Redstone Mill	Closed	11740
67	Rodolsky Mine	FNX Mining Company Inc./KGHM International Ltd.	ON	Nickel, copper, precious metals	1,000 t/d	Mining only—ore shipped to Copper Cliff Complex—Clarabelle Mill	Closed	11466
68	Garson Mine	Vale Canada Ltd.	ON	Nickel, copper, cobalt, platinum	2,400 t/d	Mining only—ore shipped to Copper Cliff Complex—Clarabelle Mill	Active	10202
69	Clavos Mine	Sage Gold Inc.	ON	Gold	700 t/d	Ore shipped to Stock Mill	Active	
70	Strathcona Tailings Treatment System	Glencore Canada Corporation <small>(includes Fraser, Strathcona Mine and Mill, Craig and Onaping Mines; also includes Inco's Coleman and McCreedy East Mines)</small>	ON	Nickel, copper, cobalt, platinum, palladium	8,200 t/d	Flotation	Active	1233; 10199; 11154; 11608
71	Black Fox Mill Complex	Brigus Gold Corporation/Primer Mining Corporation	ON	Gold	1,300 t/d	Carbon-in-leach (cyanide)	11743	
72	Young-Davidson Mine	AuRico Gold Inc.	ON	Gold	6,000 mt/d	Gravity, flotation, cyanidation	Active	26132
73	Detour Lake Mine	Detour Gold Corporation	ON	Gold	55,000 t/d	Gravity, cyanidation	Active	11867
74	Hislip Mine	St Andrew Goldfields Ltd.	ON	Gold	1,500 t/d	Ore shipped to Stock Mill	Active	
75	Macassa Mine	Kirkland Lake Gold Inc.	ON	Gold	1,450 t/d	Cyanidation	Active	1568
76	Holloway Mine	St Andrew Goldfields Ltd.	ON	Gold	2,500 t/d	Cyanidation	Active	7051

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
77	McAlpine Mill	SMC (Canada) Ltd.	ON	Gold, silver, platinum, palladium	200 t/d processes metallurgical wastes	Gravity and flotation	Active	10622
78	Yukon Refinery	Yukon (36569) Inc.	ON	Nickel, cobalt, silver, gold	12 t/d	Hydromet reprocessing of existing mine tailings	Active	
79	Haley Plant	Timminco Ltd.	ON	Magnesium, calcium, strontium	7,500 t/y magnesium, 900 t/y calcium	Calcining, reduction, refining, melting, casting, extruding	Closed	
80	Francoeur (Mine)	Richmont Mines Inc.	QC	Gold	360 t/d	Mining only—ore shipped to Camflo Mill	Closed	8789
81	Casa Berardi (Mine)	Hecla Québec Incorpore	QC	Gold	1,600 to 2,200 t/d	Cyanidation	Active	8600
82	Horne (Smelter)	Glencore Canada Corporation	QC	Copper		Flotation	Mill closed	3623
83	Mouska (Mine)	Gestion Iamgold Québec Inc.	QC	Gold	600 t/d	Mining only—ore shipped to Doyon Mill	Active	8624
84	Doyon (Mine)	Gestion Iamgold Québec Inc.	QC	Gold		Cyanidation	Active	1608
85	Laronde (Mine)	Mines Agnico-Eagle ltée	QC	Gold, silver, copper, zinc, lead	7,000 t/d	Flotation, leaching, gravity concentration	Active	99
86	Lapa (Project)	Mines Agnico-Eagle ltée	QC	Gold	1,500 t/d	Mining only—ore shipped to LaRonde Mill	Active	8765
87	Canadian Malartic Mine	Corporation Minière Osisko	QC	Gold	55,000 t/d [mill]	Cyanidation	Active	25188
88	Camflo (Mill)	Mines Richmont Inc.	QC	Gold	1,300 t/d [mill] only	Cyanidation	Active	8519

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
89	Géant Dormant (Mine)	Maudore Minerals Ltd.	QC	Gold	900 t/d	Cyanidation	Suspended	
90	Kiena (Mine)	Mines d'Or Wésdome Ltée	QC	Gold	2,000 t/d	Cyanidation	Suspended	2935
91	Goldex (Mine)	Mines Agnico-Eagle Ltée	QC	Gold	6,900 t/d	Gravity, cyanidation, flotation	Active	8757
92	Vezza (Mine)	Maudore Minerals Ltd.— Mines Aurbec Inc.	QC	Gold	750 t/d	Mining only— ore shipped to Géant Dormant Mill	Active	1611; 8701; 8785
93	Matagami (Mine)	Glencore Canada Corporation	QC	Zinc, copper	2,000 t/d	Flotation	Active	
94	Sigma (Sigma- Lamaque)	Century Mining Corporation/Integra Gold Corporation	QC	Gold	5,000 t/d	Cyanidation	Active	
95	Lac Herbin	QMX Gold Corporation	QC	Gold	450 t/d	Mining only— ore shipped to Aurbel Mill	Active	8719
96	Aurbel (Mill)	QMX Gold Corporation	QC	Gold	800 t/d (mill)	Gravity, flotation, cyanidation	Active	8719
97	Beaufor	Mines Richmont Inc.	QC	Gold	820 t/d	Mining only— ore shipped to Camflo	Active	8610
98	Monique (Project)	Mines Richmont Inc.	QC	Gold		Mining only— ore shipped to Camflo Mill	Active	
99	Langlois (Mine)	Nyrstar	QC	Zinc, copper, gold, silver	2,500 t/d	Flotation	Active	
100	Lac Bachelot	Ressources Métanor Inc.	QC	Gold	800 t/d	Cyanidation	Active	8769
101	Éléonore (Mine)	Goldcorp Incorporé	QC	Gold	7,000 t/d	Grinding, gravity, flotation, cyanide leaching, carbon-in-pulp	Active	8803

MAP #	FACILITY NAME	OPERATOR	PROVINCE/ TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
102	Barry	Ressources Métanor Inc.	QC	Gold	500 t/d	Mining only—ore shipped to Bachelor Mill	Active	8809
103	Copper Rand (Mine)	CBay Minerals Inc.	QC	Copper, gold, silver	Gravity, flotation	Closed		
104	Raglan (Mine)	Glencore Canada Corporation	QC	Nickel, copper, cobalt, platinum, palladium	3,000 t/d	Flotation	Active	5448
105	Nunavik Nickel (Project)	Canadian Royalties Inc./Jien Canada Mining Ltd.	QC	Nickel, copper, cobalt, platinum, palladium	4,500 t/d (mill)	Flotation	Facility under development	27059
106	Complexe Tracy	Rio Tinto Fer et Titane Inc. métallurgique Sorel-Tracy	QC	Titanium, iron ore	Ore processed from Tio Mine	Metallurgical process	Active	27059
107	Niobec (Mine)	Gestion lamgold-Québec Inc.	QC	Niobium	5,000 t/d	Flotation, magnetic separation	Active	2100
108	Fire Lake (Mine)	ArcelorMittal Exploitation minière Canada s.e.n.c.	QC	Iron ore	2,000 t/d	Mining only—ore shipped by train to Mont-Wright Mine	Active	8778
109	Mont-Wright (Mine)	ArcelorMittal Exploitation minière Canada s.e.n.c.	QC	Iron ore	125,000 t/d	Grinding and spiral separation	Active	6217
110	Lac Bloom (Mine)	Société en commandite de la mine de fer du Lac Bloom	QC	Iron ore	8 Mt of concentrate per year	Grinding and spiral separation	Active	8783
111	Tio (Mine)	Rio Tinto Fer et Titane Inc.	QC	Titanium, iron ore	8,000 t/d	Mining only—ore processed at plant in Sorel, QC	Active	6425
112	Restigouche Mine	Blue Note Mining Inc./Province of New Brunswick	NB	Zinc, lead, silver, copper	Mining only—ore shipped to Caribou Mill	Closed		
113	Caribou Mine and Mill	Trevali Mining (New Brunswick) Ltd.	NB	Zinc, lead, silver, copper	Flotation	Closed		
114	Brunswick No. 12	Glencore Canada Corporation	NB	lead, zinc, copper, silver	10,000 t/d	Flotation	Closed	54; 4024

MAP #	FACILITY NAME	OPERATOR	PROVINCE/TERRITORY	PRODUCTS	PRODUCTION CAPACITY	PROCESS	STATUS	NPRI ID*
115	Eloss Lake Area Iron Ore Mine	Tata Steel Minerals Canada Ltd.	NL	Iron ore	5,700 t/d	Crushing and physical and magnetic separation	Facility under development	26423
116	Iron Ore Company of Canada—Carol Project	Iron Ore Company of Canada	NL	Iron ore	140,000 t/d	Spirals and magnetic separators, flotation	Active	5013
117	Wabush Mines Joint Venture (Scully Mine)	Wabush Mines (Cliffs Natural Resources)	NL	Iron ore	54,400 t/d	Grinding, spiral and hightension separation	Active	5460
118	James (Mine)	Labrador Iron Mines Ltd.	NL	Iron ore	15,000 t/d		Active	25157
119	Vosey's Bay Mine—Mill	Vale Newfoundland & Labrador Ltd.	NL	Nickel, copper, cobalt	6,000 t/d	Flotation	Active	6093
120	Duck Pond Mine	Teck Resources Ltd.	NL	Copper, zinc, silver, gold	1,500 t/d	Flotation	Active	8084
121	Pine Cove Mine	Anaconda Mining Inc.	NL	Gold	1,000 t/d	Gravity/ flotation		
122	Ming Mine	Rambler Metals and Mining Canada Ltd.	NL	Copper, gold	650 t/d	Hydromet (gold)—flotation (copper)	Active	27063
123	Nugget Pond Mill	Rambler Metals and Mining Canada Ltd.	NL	Gold	500 t/d (mill only)	Hydromet (gold)—flotation (copper)	Active—mill only	8015
124	Beaver Brook Mine	Beaver Brook Antimony Mine Inc./Hunan Nonferrous Company	NL	Antimony	450 t/d	Flotation	Suspended	
125	Scozinc Mine and Mill	Selwyn Resources Ltd.	NS	Zinc, lead	2,300 t/d (mill)	Flotation	Suspended	

\*NPRI ID refers to the ID number assigned to a facility for reporting under the National Pollutant Release Inventory (NPRI). Mining facilities subject to the MMER may have multiple NPRI ID numbers or may share NPRI IDs with other facilities; this is because of the differences in facility and mine definitions between the MMER and the NPRI. For more information on the NPRI, please see <http://ec.gc.ca/inp-npri/default.asp?lang=En&n=4A577BB9-1>.

## **APPENDIX C: PERFORMANCE SUMMARY OF MINE EFFLUENTS IN 2014**

### **NOTE TO THE READER**

The tables presented in this appendix summarize the effluent quality data reported by mining facilities subject to the *Metal Mining Effluent Regulations* in 2014. The summaries include site identification (i.e., mine/mill name and final discharge point (FDP) name) and number of months of discharge. Table C1 summarizes the distribution of the non-compliant parameters for metals and pH, whereas Table C2 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 months that the 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 C1: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH</b>	<b>High 9.5</b>
Aurbel (Mine)	Aurbel Final Effluent	3											
Barry (Mine)	V-Naïch	2											
Beaufor	Final Effluent	12											
Beaver Brook Antimony Mine	Site 16—Polishing Pond Discharge	12											
Bell Creek Mine and Mill	Effluent Treatment Plant Discharge	0											
Bell Creek Mine and Mill	Phase 1 and 2 Seepage Collection Ditch	0											
Bell Creek Mine and Mill	Phase 3 Seepage Collection Ditch	0											
Bell Creek Mine and Mill	Polishing Pond	10											
Bellekeno Mine	Be.KV43—Bellekeno 625 Treatment Pond Decant	12											
Birchtree Mine	Birchtree Effluent Treatment Plant	12											
Black Fox Mill Complex	Direct Tailing Pond Effluent	0											
Black Fox Mill Complex	Polishing Pond Effluent	7											
Black Fox Mine	Pike River Discharge Point	12	1										
Black Fox Mine	Salve Creek Transitional Period Discharge Point	0											
Bonanza Ledge Mine	Sediment Control Pond	3											
Brunswick No. 12	3333 Final Effluent	10											
Bucko Lake Mine	Settling Pond Discharge	12											
Camflo (Mill)	Final Effluent	12											
Campbell Mine	WETOUT	6											

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 0.37 Bq/L</b>	<b>pH Low 6</b>	<b>pH High 9.5</b>
Canadian Malartic Mine		Final Effluent	12										
Cantung Mine	4272 Culvert		12										
Cantung Mine	Polishing Pond Four and Bore Hole 4281		12										
Cantung Mine	Portal Main Adit 4-13	0											
Cantung Mine	Settling Pond 5-2	1											1
Caribou Mine—Mill	Polishing Pond Effluent	12											
Casa Berardi (Mine)	Final Effluent—Point A	5											
Chisel North Mine	Chisel North Mine Discharge	10											
Cigar Lake Project	Station 2.2	0											
Cigar Lake Project	Station 2.2B	12											
Cigar Lake Project	Station 2.2C	0											
Clavos Mine	Clavos Mine Drainage Area	0											
Complexe métallurgique Sorel-Tracy	Final Effluent QLT (Point 1.4)	12											
Complexe métallurgique Sorel-Tracy	EFE2.2-P84	12											3
Con Mine	Surveillance Network Program Station 40-1	0											
Copper Cliff Complex	Copper Cliff Wastewater Treatment Plant	11											
Copper Cliff Complex	Nolin Creek Spillway	3											3
Copper Cliff Complex	Nolin Creek Wastewater Treatment Plant	12											2

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND pH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharges</b>	<b>Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH</b>	<b>High 9.5</b>
Copper Mountain Mine	Copper Mountain Mine	Co.SW07–W. Dam Seepage	12											
Copper Mountain Mine	Copper Mountain Mine	Co.SW09—Level 6 Adit	12											
Copper Mountain Mine	Copper Mountain Mine	Co.SW21—D4 Dump Drainage	12										1	
Copper Mountain Mine	Copper Mountain Mine	Co.SW27—E Dam Seepage	10											
Copper Mountain Mine	Copper Mountain Mine	Co.SW36—Lost Horse Gulch Drainage	12											
Copper Mountain Mine	Copper Mountain Mine	Co.SW37—D2 Dump Drainage	12											
Copper Rand (Mine)	Copper Hill Mine	Final Discharge Point 2.1c	11											
Copper Rand (Mine)	Copper Hill Mine	Clean Hill Mine Waste Water Treatment System	12											
David Bell Mine	David Bell Mine	Quarry Effluent	2											
Detour Lake Mine	Detour Lake Mine	Sedimentation Pond Effluent	8											
Doyon (Mine)	Doyon (Mine)	T4	0											
Duck Pond Operations	Duck Pond Operations	Pond A Final Effluent (D-203)	12											
Eagle River Mill	Eagle River Mill	Polishing Pond Effluent	12											
Eagle River Mine	Eagle River Mine	Eagle River Mill FDP 1	6										1	
Edwards Mine	Edwards Mine	Edwards Mine Effluent Discharge 1	0											
Éléonore Mine	Éléonore Mine	Final Effluent—Waste Rock Pile	7											
Éléonore Mine	Éléonore Mine	Final Effluent—Industrial Water Treatment Plant	7									1		

**TABLE C1: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharge</b>	<b>Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 0.37 Bq/L</b>	<b>pH 6</b>	<b>pH High 9.5</b>
Elross Lake Area Iron Ore Mine	Outlet of Sedimentation Pond 2		1											
Endako Mines	En.A1—Tailings Pond 1 South		12											
Endako Mines	En.H1—Tailings Pond 2 Higginbotham		12											
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		6											
Fire Lake (Mine)	Beaver Pit—Spillway (Fl-2)		12											
Fire Lake (Mine)	Fire Lake 5 (Fl-5)		9											
Fire Lake (Mine)	Fire Lake-6		3											
Fire Lake (Mine)	Firelake-Q		2											
Flin Flon Complex	North Weir Discharge		12											
Francoeur (Mine)	Francoeur Final Effluent		0											
Garson Mine	Garson Mine		12											
Géant Dormant (Mine)	GD-E01 Final Effluent—Mine Water Pond		12											
Géant Dormant (Mine)	GD-E03 Polishing Pond 2A		5											
Giant Mine	Surveillance Network Program Station 43-1		3											
Gibraltar Mine	Gi.ESAD—East Saddle Dam		1											
Gibraltar Mine	Gi.FRD—Fraser River Diffuser		8											
Golden Giant Mine	ITF Emergency Spillway		0											

**TABLE C1: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharges</b>	<b>Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH Low 6</b>	<b>pH High 9.5</b>
Golden Giant Mine	Waste Water Treatment Plant Effluent		12											
Goldex (Mine)	Final Effluent	O												
Goldex (Mine)	Final Effluent—Goldex Tailings Pond	4												
Goldex (Mine)	Final Effluent—Shaft No. 2	O												
Haley Plant	FDP 1	0												
Hislop Mine	Sedimentation Pond	0												
Holloway Mine	Final Discharge Point	3												
Horne (Smelter) Sector	Final Effluent—Pelleiter	12												
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	12												
Huckleberry Mine	HU.SC6—Sediment Control Structure 6	2												
Huckleberry Mine	HU.SC7—Sediment Control Structure 7	0												
Huckleberry Mine	HU.SC8—Sediment Control Structure 8	0												
Huckleberry Mine	Hu.TRO—Tahsia Reach Outfall	9												
Iron Ore Company of Canada—Carol Project	Hokim Culvert	12												
Iron Ore Company of Canada—Carol Project	Julieme Narrows	12												

**TABLE C1: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH</b>	<b>High 9.5</b>
Iron Ore Company of Canada—Carol Project	MD5		8									2	
Iron Ore Company of Canada—Carol Project	MD30		12										
Island Gold Project	IG-2		8									1	
James Mine	Ruth Pit Outlet		12										
Jolu Mill	Mallard Tailings Management Facility—Cell C Outlet Berm		6										
Kemess South Mine	KS.WQ14—Runoff		3										
Kemess South Mine	KS.WQBXL—Sedimentation Pond Decant		0										
Kemess South Mine	KS.WQ-TSP—Tailings Sedimentation Pond		0										
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		8										
Kiena (Mine)	Final Effluent		8										
Lac Bachelot	Parshall Flume		12										
Lac Bloom (Mine)	EFF-RECC2 Mine Water and Recirculation Pond Treatment Unit Effluent		8										1
Lac des Iles Mine	Final Discharge Point 1		7										
Lac Herbin (Mine)	Final Effluent 1		0										

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND pH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharge</b>	<b>Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH Low 6</b>	<b>pH High 9.5</b>
Lac Herbin (Mine)		Final Effluent 2	12											
Langlois (Mine)		Main Final Effluent	12											
Lapa (Project)		Final Effluent—Sedimentation Pond	11											
Laronde (Mine)		Final Effluent 3A	12											
Lockery Mine		Number 4 Pond Effluent	12											1
Lupin Mine		Tailings Polishing Pond No. 2	0											
Macassa Mine		C Dam	12											
Magnacon Mine (part of Eagle River Mill)		Magnacon Mine	0											
Matagami Mine		Final Effluent (WLD)	12											
MAX Molybdenum Mine and Mill		MM.Sited—Mine Portal Settling Pond	0											
MAX Molybdenum Mine and Mill		MM.Sited—Settling Ponds Decant	12											
MAX Molybdenum Mine and Mill		MM.TP—Tailings Pond Discharge	2											
McAlpine Mill Site		Polishing Pond	12											
McArthur River Operation		Station 2.1	12											
McArthur River Operation		Station 2.1B	0											
McArthur River Operation		Station 2.7	12											
McCLean Lake Operation		CM01-B	12											
McCLean Lake Operation		CM03	0											
McCLean Lake Operation		SC01	5											

**TABLE C1: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharges</b>	<b>Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH</b>	<b>High 9.5</b>
McClean Lake Operation	SPO1	O												
McWatters Mine	NWW/D-2		3											
Meadowbank Mine	East Dike Discharge	11												
Meadowbank Mine	Vault Discharge	3												
Meadowbank Mine	Water Treatment Plant	2												
Ming Mine	Wastewater Treatment System Discharge	11												
Minto Project	Mi.W3—Runoff Main Water Dam	12												
Mishi Pit [part of Eagle River Mill]	Mishi Pit	7												
Monique (Project)	Monique Final Effluent	12												
Montcalm Project	Montcalm Final Effluent	5												
Mont-Wright (Mine)	HS-1 Point	12												
Mont-Wright (Mine)	MS-2 Point	3												
Mont-Wright (Mine)	MS-4 Point	8												
Mont-Wright (Mine)	IRENE-DISCHARGE	4												
Mont-Wright (Mine)	EFF-24-PLE	1												
Mont-Wright (Mine)	WEBB-1-Discharge	2												
Mont-Wright (Mine)	Resurgence-5	3												
Mount Polley Mine	Hazeline Creek Discharge	5												
Mouska (Mine)	Final Effluent	7												
Musselwhite Mine	FDP 1	6												
Myra Falls Operations	MF.11A—Runoff Myra Ponds Effluent	12												
Niobec (Mine)	Final Effluent	12												
Nugget Pond Mine	Polishing Pond Effluent	10												
Nunavik Nickel (Project)	Expo Final Effluent	4												2

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH Low 6</b>	<b>pH High 9.5</b>
Nunavik Nickel (Project)	Mésamax Final Effluent		2							1			
Pine Cove Property	Polishing Pond	Norman North Bog Outlet	11			1							
Podolsky Mine			12										
Porcupine Gold Mines (Dome Mine)	Mine Effluent Treatment Plant—Dome Mine		5										
Porcupine Gold Mines (Dome Mine)	Mine Water Storage Pond—Dome Mine		12										
Porcupine Gold Mines (Owl Creek Pit)	Owl Creek Discharge 1		0										
Porcupine Gold Mines (Owl Creek Pit)	Owl Creek Discharge 2		4										
Porcupine Gold Mines (Pamour Mine)	Pamour Mine Water		11									1	
Rabbit Lake Operation	Station 2.3.3		12										
Raglan (Mine)	DIR-HSA		0										
Raglan (Mine)	DIR-SPOON		3										
Raglan (Mine)	DIR-UT		5										
Raglan (Mine)	DIR-Z3		6										
Red Chris Mine	North Reclaim Dam Discharge		9									1	
Red Lake Mine	G1		0										
Red Lake Mine	G2		4										
Red Lake Mine	Shaft 3 Mine Water Settling Pond		0										
Phoenix Gold Project	South Discharge Point		4										
Redstone Mine	RSD-2		3										
Restigouche Mine	Mixing Structure Discharge		0										
Rice Lake Gold Mine	FDPI—End of Pipe		0										
Santoy 7 Mine	Santoy 7 Settling Pond		0										

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH</b>	<b>High 9.5</b>
Santoy 8 Mine	S8SP Final Discharge Point	6											
Scotia Mine (also known as ScoZinc Project)	Polishing Pond Outlet	12											
Seabee Gold Mine	Final Discharge Point	12											
Seabee Gold Mine	Final Discharge Point	1.2											
Seabee Gold Mine	Final Discharge Point	0											
Seabee Gold Mine	Final Discharge Point	1.3											
Seabee Gold Mine	Final Discharge Point	4											
Shakespeare Nickel Mine	MISA Weir	1.5											
Sigma (Mine)	Final Effluent EFF1	3											
Snow Lake Mill	Anderson Lake Discharge	8											
Snow Lake Mine	SWM-02	7											
Snow Lake Mine	SWM-03 (Birch Lake Outlet Embankment Decant Discharge)	4											
Snow Lake Mine	SWM-07	1											
Sudbury Integrated Nickel Operations—Smelter	Final Effluent at NIR Road	5											
Tanco Mine	Fecunis RR Bridge (Compliance Point)	12											
Thompson Complex	Misery Weir	12											
Thompson Complex	Station B	12											
Timmins West Complex	TR-1	12											

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharges</b>	<b>Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 Bq/L</b>	<b>pH Low 6</b>	<b>pH High 9.5</b>
Tio (Mine)	E-Lac 166	8												
Tio (Mine)	Lake 2114	8												
Tio (Mine)	Grondin Lake	0												
Tio (Mine)	Resurgence Leo	12											1	
Tio (Mine)	Switch South	9												
Totten Mine	Totten Discharge	11												
Trout Lake Mine	Trout Lake Surface Sump Discharge	3												
Vezza Mine	Polishing Pond	6										1		
Voisey's Bay Mine—Mill	Port Site Sedimentation Pond	1										1		
Voisey's Bay Mine—Mill	Sedimentation Pond A Discharge	0												
Voisey's Bay Mine—Mill	Sedimentation Pond B	0												
Voisey's Bay Mine—Mill	South of Ovoid Final Discharge Point	0												
Voisey's Bay Mine—Mill	South Sedimentation Pond	0												
Voisey's Bay Mine—Mill	Treated Effluent Final Discharge Point	12												
Wabush Mines Joint Venture—Scully Mine	East Pit Dewatering East	0												
Wabush Mines Joint Venture—Scully Mine	East Pit 1 Dewatering	0												
Wabush Mines Joint Venture—Scully Mine	East Pit 2 Dewatering	12												
Wabush Mines Joint Venture—Scully Mine	Flora Lake Discharge	12											1	
Wabush Mines Joint Venture—Scully Mine	Knoll Lake Inflow	11												

**TABLE CI: SUMMARY OF EXCEEDANCES FOR FACILITIES SUBJECT TO THE MMER IN 2014: PRESCRIBED PARAMETERS AND PH**

<b>Mining Facility Name</b>	<b>Site Identification</b>	<b>Final Discharge Point Name</b>	<b>Number of Discharge Months of Discharge</b>	<b>As 0.5 mg/L</b>	<b>Cu 0.3 mg/L</b>	<b>CN 1 mg/L</b>	<b>Pb 0.2 mg/L</b>	<b>Ni 0.5 mg/L</b>	<b>Zn 0.5 mg/L</b>	<b>TSS 15 mg/L</b>	<b>Ra-226 0.37 Bq/L</b>	<b>pH Low 6</b>	<b>pH High 9.5</b>
Wabush Mines Joint Venture—Scully Mine	Loadout Ditch Discharge	O											
Wabush Mines Joint Venture—Scully Mine	Shops East Discharge	O											
Wabush Mines Joint Venture—Scully Mine	Shops South Discharge	O											
Wabush Mines Joint Venture—Scully Mine	Tailings Discharge	O											
Venture—Scully Mine	Tailings Line Emergency Dump Basin 1	7											
Wabush Mines Joint Venture—Scully Mine	West Pit Extension Settling Basin	12											
Williams Mine	Polishing Pond Discharge CP 0400	O											
Williams Mine	Stormwater Pond CP 102	9											
Williams Mine	Stormwater Pond CP 0300	5											
Williams Mine	Stormwater Pond CP 400A	5											
Williams Mine	Treated Effluent CP 0201	7											
Wolverine Project	Wo.TSF—Tailings Storage Facility	O											
Yellow Giant Mine	BRG-EFF—Barge Channel Outfall	O											
Yellowjacket Gold Mine	Ye.TSF—Tailings Storage Facility	O											
Young-Davidson Mine	Mine Water Pond Final Discharge	12											
Yukon Refinery	Secondary Pond	2											
<b>Total Exceedances</b>			<b>1</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>9</b>	<b>6</b>	<b>35</b>	<b>4</b>	<b>10</b>	<b>3</b>	

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	<b>RT Total</b>	<b>RT Fail</b>	<b>DM Total</b>	<b>DM Fail</b>
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>					
Aurbel (Mine)	Aurbel Final Effluent	3	3		3	
Barry (Mine)	V-Notch	2	2		2	
Beaufor	Final Effluent	12	4		4	
Beaver Brook Antimony Mine	Site 16—Polishing Pond Discharge	12	7		7	
Bell Creek Mine and Mill	Effluent Treatment Plant Discharge	0				
Bell Creek Mine and Mill	Phase 1 and 2 Seepage Collection Ditch	0				
Bell Creek Mine and Mill	Phase 3 Seepage Collection Ditch	0				
Bell Creek Mine and Mill	Polishing Pond	10	10		10	
Bellekeno Mine	Be.KV43—Bellekeno 625 Treatment Pond Decant	12	12		12	
Birchtree Mine	Birchtree Effluent Treatment Plant	12	4		4	1
Black Fox Mill Complex	Direct Tailings Pond Effluent	0				
Black Fox Mill Complex	Polishing Pond Effluent	7	7		7	
Black Fox Mine	Pike River Discharge Point	12	12		12	
Black Fox Mine	Salve Creek Transitional Period Discharge Point	0				
Bonanza Ledge Mine	Sediment Control Pond	3	2		2	
Brunswick No. 12	3333 Final Effluent	10	10		10	
Bucko Lake Mine	Settling Pond Discharge	12	12		12	10
Camflo (Mill)	Final Effluent	12	4		4	
Campbell Mine	WETOUT	6	6		6	
Canadian Malartic Mine	Final Effluent	12	12		12	
Cantung Mine	4-27-2 Culvert	12	4		5	1
Cantung Mine	Polishing Pond Four and Bore Hole 4-28-1	12	4		5	
Cantung Mine	Portal Main Adit 4-13	0				
Cantung Mine	Settling Pond 5-2	1	1		1	
Caribou Mine—Mill	Polishing Pond Effluent	12	12		12	
Casa Berardi (Mine)	Final Effluent—Point A	5	6		6	
Chisel North Mine	Chisel North Mine Discharge	10	4		4	
Cigar Lake Project	Station 2.2	0				
Cigar Lake Project	Station 2.2B	12	5		5	
Cigar Lake Project	Station 2.2C	0				
Clavos Mine	Clavos Mine Drainage Area	0				
Complexe métallurgique Sorel-Tracy	Final Effluent QIT (Point 1.4)	12	4		4	
Complexe métallurgique Sorel-Tracy	EFF2.2-P84	12	4		4	
Con Mine	Surveillance Network Program Station 40-1	0				
Copper Cliff Complex	Copper Cliff Wastewater Treatment Plant	11	4		4	
Copper Cliff Complex	Nolin Creek Spillway	3	3	3	3	3
Copper Cliff Complex	Nolin Creek Wastewater Treatment Plant	12	4		4	1
Copper Mountain Mine	Co.SW07—W. Dam Seepage	12	4		4	

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	RT		DM	
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>		Total	Fail	Total	Fail
Copper Mountain Mine	Co.SW09—Level 6 Adit	12	4		4	
Copper Mountain Mine	Co.SW21—D4 Dump Drainage	12	4		4	
Copper Mountain Mine	Co.SW27—E Dam Seepage	10	4		4	
Copper Mountain Mine	Co.SW36—Lost Horse Gulch Drainage	12	4		4	
Copper Mountain Mine	Co.SW37—D2 Dump Drainage	12	4		4	
Copper Rand (Mine)	Final Discharge Point 2.1c	11	4		4	
Crean Hill Mine	Crean Hill Mine Waste Water Treatment System	12	4		4	
David Bell Mine	Quarry Effluent	2	2		2	
David Bell Mine	Sedimentation Pond Effluent	8	8		8	
Detour Lake Mine	T4	0				
Doyon (Mine)	Pond A Final Effluent (D-203)	12	4		4	
Duck Pond Operations	Polishing Pond Effluent	12	13		13	1
Eagle River Mill	Eagle River Mill	6	7		7	1
Eagle River Mine	FDP 1	12	7		7	
Edwards Mine	Edwards Mine Effluent Discharge 1	0				
Éléonore Mine	Final Effluent—Waste Rock Pile	7	6		6	1
Éléonore Mine	Final Effluent—Industrial Water Treatment Plant	7	9	3	9	4
Elross Lake Area Iron Ore Mine	Outlet of Sedimentation Pond 2	1	12	1	12	
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	4		4	
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	6	3		3	
Fire Lake (Mine)	Beaver Pit—Spillway (FL-2)	12	16	1	16	
Fire Lake (Mine)	Fire Lake 5 (FL-5)	9	12	1	12	
Fire Lake (Mine)	Fire Lake-6	3	8		8	
Fire Lake (Mine)	FireLake-Q	2			1	
Flin Flon Complex	North Weir Discharge	12	4		4	1
Francoeur (Mine)	Francoeur Final Effluent	0				
Garson Mine	Garson Mine	12	4		4	
Géant Dormant (Mine)	GD-E01 Final Effluent—Mine Water Pond	12	4		4	
Géant Dormant (Mine)	GD-E03 Polishing Pond 2A	5	5		6	
Giant Mine	Surveillance Network Program Station 43-1	3	3		3	
Gibraltar Mine	Gi.ESAD—East Saddle Dam	1				
Gibraltar Mine	Gi.FRD—Fraser River Diffuser	8	9		9	
Golden Giant Mine	ITF Emergency Spillway	0				
Golden Giant Mine	Waste Water Treatment Plant Effluent	12	12		12	
Goldex (Mine)	Final Effluent	0				
Goldex (Mine)	Final Effluent—Goldex Tailings Pond	4	4		4	

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	<b>RT Total</b>	<b>RT Fail</b>	<b>DM Total</b>	<b>DM Fail</b>
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>					
Goldex (Mine)	Final Effluent—Shaft No. 2	0				
Haley Plant	FDP 1	0				
Hislop Mine	Sedimentation Pond	0				
Holloway Mine	Final Discharge Point	3	3		3	
Horne (Smelter)	Final Effluent—Pelletier Sector	12	4		4	
Huckleberry Mine	Hu.EZDD—East Zone Diversion Ditch	0				
Huckleberry Mine	Hu.SC3—Sediment Control Structure 3	12	3		2	
Huckleberry Mine	Hu.SC4—Sediment Control Structure 4	12	5		1	
Huckleberry Mine	HU.SC6—Sediment Control Structure 6	2	3			
Huckleberry Mine	HU.SC7—Sediment Control Structure 7	0	2		1	
Huckleberry Mine	HU.SC8—Sediment Control Structure 8	0	3		1	
Huckleberry Mine	Hu.TRO—Tahtsa Reach Outfall	9	1		1	
Iron Ore Company of Canada—Carol Project	Hakim Culvert	12	12		12	
Iron Ore Company of Canada—Carol Project	Julienne Narrows	12	12		12	
Iron Ore Company of Canada—Carol Project	MD5	8	8		8	
Iron Ore Company of Canada—Carol Project	MD30	12	12		12	
Island Gold Project	IG-2	8	8		8	
James Mine	Ruth Pit Outlet	12	9		9	
Jolu Mill	Mallard Tailings Management Facility—Cell C Outlet Berm	6	6		6	
Kemess South Mine	KS.WQ14—Runoff	3	1		1	
Kemess South Mine	KS.WQBXL—Sedimentation Pond Decant	0				
Kemess South Mine	KS.WQ-TSP—Tailings Sedimentation Pond	0				
Key Lake Operation	Station 1.2—Dewatering Discharge to Horsefly Lake	12	5		5	
Key Lake Operation	Station 1.4—Mill Effluent to Wolf Lake	12	4		4	
Kidd Metallurgical Division	Final Effluent Monitoring Point	12	4		4	
Kidd Mining Division	Treatment Pond Final Effluent	8	4		4	
Kiena (Mine)	Final Effluent	8	8		8	
Lac Bachelor	Parshall Flume	12	12		12	
Lac Bloom (Mine)	EFF-REC2 Mine Water and Recirculation Pond Treatment Unit Effluent	8	9		9	
Lac des Iles Mine	Final Discharge Point 1	7	7		7	
Lac Herbin (Mine)	Final Effluent 1	0				
Lac Herbin (Mine)	Final Effluent 2	12	4		4	
Langlois (Mine)	Main Final Effluent	12	12		12	
Lapa (Project)	Final Effluent—Sedimentation Pond	11	12		12	
Laronde (Mine)	Final Effluent 3A	12	12		12	

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	<b>RT Total</b>	<b>RT Fail</b>	<b>DM Total</b>	<b>DM Fail</b>
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>					
Lockerby Mine	Number 4 Pond Effluent	12	6		6	
Lupin Mine	Tailings Polishing Pond No. 2	0				
Macassa Mine	C Dam	12	12		12	
Magnacon Mine (part of Eagle River Mill)	Magnacon Mine	0				
Matagami Mine	Final Effluent (WLD)	12	12		12	1
MAX Molybdenum Mine and Mill	MM.SiteD—Mine Portal Settling Pond	0				
MAX Molybdenum Mine and Mill	MM.Sitel—Settling Ponds Decant	12	4		4	
MAX Molybdenum Mine and Mill	MM.TP—Tailings Pond Discharge	2	1		1	
McAlpine Mill Site	Polishing Pond	12	4		15	3
McArthur River Operation	Station 2.1	12	4		4	
McArthur River Operation	Station 2.1B	0				
McArthur River Operation	Station 2.7	12	3		3	
McClean Lake Operation	CM01-B	12	4		4	
McClean Lake Operation	CM03	0				
McClean Lake Operation	SC01	5	2		2	
McClean Lake Operation	SP01	0				
McWatters Mine	MWD-2	3	3		3	
Meadowbank Mine	East Dike Discharge	11	10		10	
Meadowbank Mine	Vault Discharge	3	3		3	
Meadowbank Mine	Water Treatment Plant	2	2		2	1
Ming Mine	Wastewater Treatment System Discharge	11	11		11	
Minto Project	Mi.W3—Runoff Main Water Dam	12	5		5	
Mishi Pit (part of Eagle River Mill)	Mishi Pit	7	6		6	
Monique (Project)	Monique Final Effluent	12	15	1	15	
Montcalm Project	Montcalm Final Effluent	5	5		5	
Mont-Wright (Mine)	HS-1 Point	12	16		18	
Mont-Wright (Mine)	MS-2 Point	3	4		5	
Mont-Wright (Mine)	MS-4 Point	8	16		16	1
Mont-Wright (Mine)	IRENE-DISCHARGE	4				
Mont-Wright (Mine)	EFF-24-PILE	1	1		1	
Mont-Wright (Mine)	WEBB-1-Discharge	2			2	
Mont-Wright (Mine)	Resurgence-5	3	3		3	
Mount Polley Mine	Hazeltine Creek Discharge	5	3		3	
Mouska (Mine)	Final Effluent	7	3		3	
Musselwhite Mine	FDP 1	6	6		6	
Myra Falls Operations	MF.11A—Runoff Myra Ponds Effluent	12	4		4	
Niobec (Mine)	Final Effluent	12	4		4	1

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	<b>RT Total</b>	<b>RT Fail</b>	<b>DM Total</b>	<b>DM Fail</b>
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>					
Nugget Pond Mine	Polishing Pond Effluent	10	11		11	
Nunavik Nickel (Project)	Expo Final Effluent	4	3		3	
Nunavik Nickel (Project)	Mésamax Final Effluent	2	1		1	
Pine Cove Property	Polishing Pond	11	4		4	
Podolsky Mine	Norman North Bog Outlet	12	4		4	
Porcupine Gold Mines (Dome Mine)	Mine Effluent Treatment Plant—Dome Mine	5	5		5	
Porcupine Gold Mines (Dome Mine)	Mine Water Storage Pond—Dome Mine	12	4		4	
Porcupine Gold Mines (Owl Creek Pit)	Owl Creek Discharge 1	0				
Porcupine Gold Mines (Owl Creek Pit)	Owl Creek Discharge 2	4	3		4	
Porcupine Gold Mines (Pamour Mine)	Pamour Mine Water	11	4		4	
Rabbit Lake Operation	Station 2.3.3	12	4		4	
Raglan (Mine)	DIR-HSA	0				
Raglan (Mine)	DIR-SPOON	3	3		3	
Raglan (Mine)	DIR-UT	5	5		5	
Raglan (Mine)	DIR-Z3	6	6		6	
Red Chris Mine	North Reclaim Dam Discharge	9	4		4	
Red Lake Mine	G1	0				
Red Lake Mine	G2	4	4		4	
Red Lake Mine	Shaft 3 Mine Water Settling Pond	0				
Phoenix Gold Project	South Discharge Point	4	4		4	
Redstone Mine	RSD-2	3	3		3	
Restigouche Mine	Mixing Structure Discharge	0				
Rice Lake Gold Mine	FDP1—End of Pipe	0				
Santoy 7 Mine	Santoy 7 Settling Pond	0				
Santoy 8 Mine	S8SP Final Discharge Point	6	6		6	
Scotia Mine (also known as ScoZinc Project)	Polishing Pond Outlet	12	4		4	
Seabee Gold Mine	Final Discharge Point 1.2	12	4		4	1
Seabee Gold Mine	Final Discharge Point 1.3	0				
Seabee Gold Mine	Final Discharge Point 1.5	4	4		4	
Shakespeare Nickel Mine	MISA Weir	3	3		3	
Sigma (Mine)	Final Effluent EFF1	8	8		8	
Snow Lake Mill	Anderson Lake Discharge	7	6		6	
Snow Lake Mine	SWM-02	4	1		1	
Snow Lake Mine	SWM-03 (Birch Lake Outlet Embankment Decant Discharge)	1	1		1	
Snow Lake Mine	SWM-07	5	2		2	

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	<b>RT Total</b>	<b>RT Fail</b>	<b>DM Total</b>	<b>DM Fail</b>
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>					
Sudbury Integrated Nickel Operations—Smelter	Final Effluent at NIR Road	12	5		5	
Sudbury Integrated Nickel Operations—Strathcona	Fecunis RR Bridge	12	4		4	
Tanco Mine	West Discharge (Compliance Point)	12	8		8	
Thompson Complex	Misery Weir	12	4		4	
Thompson Complex	Station B	12	4		4	
Timmins West Complex	TR-1	12	13		13	
Tio (Mine)	E-Lac 166	8	8		7	
Tio (Mine)	Lake 211.4	8	8		7	
Tio (Mine)	Grondin Lake	0				
Tio (Mine)	Resurgence Leo	12	12		11	
Tio (Mine)	Switch South	9	9		8	
Totten Mine	Totten Discharge	11	4		4	
Trout Lake Mine	Trout Lake Surface Sump Discharge	3	1		1	
Vezza Mine	Polishing Pond	6	6		6	
Voisey's Bay Mine – Mill	Port Site Sedimentation Pond	1	1		1	
Voisey's Bay Mine—Mill	Sedimentation Pond A Discharge	0				
Voisey's Bay Mine—Mill	Sedimentation Pond B	0				
Voisey's Bay Mine—Mill	South of Ovoid Final Discharge Point	0				
Voisey's Bay Mine—Mill	South Sedimentation Pond	0				
Voisey's Bay Mine—Mill	Treated Effluent Final Discharge Point	12	12		12	2
Wabush Mines Joint Venture—Scully Mine	East Pit Dewatering East	0				
Wabush Mines Joint Venture—Scully Mine	East Pit 1 Dewatering	0				
Wabush Mines Joint Venture—Scully Mine	East Pit 2 Dewatering	12	4		4	
Wabush Mines Joint Venture—Scully Mine	Flora Lake Discharge	12	4		4	
Wabush Mines Joint Venture—Scully Mine	Knoll Lake Inflow	11	4		4	
Wabush Mines Joint Venture—Scully Mine	Loadout Ditch Discharge	0				
Wabush Mines Joint Venture—Scully Mine	Shops East Discharge	0				
Wabush Mines Joint Venture—Scully Mine	Shops South Discharge	0				
Wabush Mines Joint Venture—Scully Mine	Tailings Discharge	0				
Wabush Mines Joint Venture—Scully Mine	Tailings Line Emergency Dump Basin 1	7	6		6	

**TABLE C2: PERFORMANCE SUMMARY FOR FACILITIES SUBJECT TO THE MMER IN 2014: RAINBOW TROUT (RT) ACUTE LETHALITY AND DAPHNIA MAGNA (DM) MONITORING TESTS**

<b>Site Identification</b>		<b>Number of Months of Discharge</b>	<b>RT Total</b>	<b>RT Fail</b>	<b>DM Total</b>	<b>DM Fail</b>
<b>Mining Facility Name</b>	<b>Final Discharge Point Name</b>					
Wabush Mines Joint Venture—Scully Mine	West Pit Extension Settling Basin	12	4		4	
Williams Mine	Polishing Pond Discharge CP 0400	0				
Williams Mine	Stormwater Pond CP 102	9	9		9	
Williams Mine	Stormwater Pond CP 0300	5	5		5	
Williams Mine	Stormwater Pond CP 400A	5	5		5	
Williams Mine	Treated Effluent CP 0201	7	7		7	
Wolverine Project	WWo.TSF—Tailings Storage Facility	0				
Yellow Giant Mine	BRG-EFF—Barge Channel Outfall	0				
Yellowjacket Gold Mine	Ye.TSF—Tailings Storage Facility	0				
Young-Davidson Mine	Mine Water Pond Final Discharge	12	12		12	
Yukon Refinery	Secondary Pond	2	2		2	1
<b>Summary</b>		<b>995</b>	<b>10</b>	<b>1001</b>	<b>35</b>	

## **APPENDIX D: EFFLUENT QUALITY DATA FOR MINING FACILITIES IN 2014**

### **NOTE TO THE READER**

The tables in Appendix D show summarized monthly data for each final discharge point (FDP) for each mining facility that was subject to the *Metal Mining Effluent Regulations* (MMER) in 2014. Identifying information includes:

- mine/mill name
- mine/mill operator name
- mine/mill product(s) (main product listed first)
- mine/mill address
- FDP identification

There is one page for each FDP showing the monthly mean data reported by the mining facility owner or operator to Environment and Climate Change Canada as per section 22 of the Regulations. The tables are sorted in alphabetical order based on mine/mill name.

Each row in the tables represents a parameter for which testing is required under the MMER and the numbers shown in the table are the averages of all of the reported data for each month, for each parameter. The limits for each parameter are also shown, in the second data column in the table. Parameters that exceeded the regulatory limits are highlighted in the tables for ease of identification.

Results of testing for acute lethality in rainbow trout (as per section 14 of the Regulations) and for *Daphnia magna* monitoring (section 17 of the Regulations) are shown in the four rows near the bottom of the tables. 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%.

The additional notations used in the tables are explained at the bottom of each page, including “ND” for No Deposit and “NMR” for No Measurement Required. “No Deposit (ND)” is used in the case where there is no effluent flow from a final discharge point in a given month. “No Measurement Required (NMR)” indicates that the mining facility has met the requirements of subsections 13(1) and 13(2) of the MMER, which allow the facility to conduct the testing of effluent on a quarterly basis (versus weekly, as is otherwise required), and therefore was not required to report on the given parameter in that month.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Aurobel (Mine)												
OPERATOR NAME	QMX Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	1900 Brador Road, Val-d'Or, Quebec J9P 0A4												
EFFLUENT DISCHARGE POINT	Aurobel Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0127	ND	0.0093	ND	ND	0.0091	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0806	ND	0.0443	ND	ND	0.0940	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0200	ND	0.0043	ND	ND	0.0130	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0051	ND	0.0016	ND	ND	0.0066	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0092	ND	0.0029	ND	ND	0.0086	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0170	ND	0.0008	ND	ND	0.0030	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	13.00	ND	2.50	ND	ND	4.00	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0010	ND	0.0010	ND	ND	0.0015	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	7.5	ND	8.1	ND	ND	7.6	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	7.5	ND	8.3	ND	ND	8.2	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	10,902	ND	18,823	ND	ND	26,835	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	ND	1	ND	ND	1	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	ND	0	ND	ND	0	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	ND	1	ND	ND	1	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	ND	0	ND	ND	0	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Barry (Mine)												
OPERATOR NAME	Ressources Métanor Incorporeé												
PRODUCT(S)	Gold												
ADDRESS	200 Mine Road, Desmaraîsville, Quebec J0Y 1H0												
EFFLUENT DISCHARGE POINT	V-Notch												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0002	0.0002	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0013	0.0017	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	NMR	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0003	0.0006	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0005	0.0050	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0520	0.0210	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	0.50	1.45	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	—	—	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	8.0	7.9	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	8.2	8.3	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	13,383	20,539	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Beaufor Mines Richmont Incorporated												
OPERATOR NAME													
PRODUCT(S)	Gold												
ADDRESS	776 Perron Road, Val-d'Or, Quebec J9P 0C3												
EFFLUENT DISCHARGE POINT	Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0004	0.0005	0.0004	0.0003	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	
<b>Cu</b> (mg/l)	0.3	0.0088	0.0087	0.0093	0.0099	0.0105	0.0075	0.0103	0.0086	0.0090	0.0107	0.0119	
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0007	0.0017	0.0019	0.0004	0.0002	0.0003	0.0002	0.0002	0.0002	0.0004	0.0003	
<b>Ni</b> (mg/l)	0.5	0.0036	0.0057	0.0054	0.0055	0.0040	0.0035	0.0043	0.0046	0.0041	0.0040	0.0039	
<b>Zn</b> (mg/l)	0.5	0.0038	0.0039	0.0040	0.0056	0.0018	0.0018	0.0036	0.0045	0.0028	0.0039	0.0053	
<b>TSS</b> (mg/l)	15	8.25	8.50	10.00	9.40	10.50	3.00	4.80	2.63	2.50	7.50	5.60	
<b>Ra-226</b> (Bq/l)	0.37	0.0010	NMR	NMR	NMR	0.0040	NMR	0.0010	NMR	NMR	NMR	0.0040	
<b>pH low</b>	≥6.0	7.1	7.2	7.3	7.2	7.4	7.5	7.4	7.5	7.6	7.4	7.2	
<b>pH high</b>	≤9.5	7.4	7.3	7.3	7.5	7.7	7.9	7.8	7.9	7.7	7.7	7.8	
<b>Flow</b> (m <sup>3</sup> /month)	—	23,281	19,690	20,964	25,515	32,367	23,015	26,458	26,256	26,110	30,874	26,000	
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	0	NMR	NMR	0	NMR	
<b>Daphnia magna</b>	Pass	1	NMR	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	
<b>Monitoring Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	0	NMR	NMR	0	NMR	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Beaver Brook Antimony Mine												
OPERATOR NAME	Beaver Brook Antimony Mine Inc./Hunan Nonferrous Company												
PRODUCT(S)	Antimony												
ADDRESS	P.O. Box 160, Glenwood, Newfoundland and Labrador A0G 2K0												
EFFLUENT DISCHARGE POINT	Site 16—Polishing Pond Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	0.0885	0.1035	0.0913	0.0848	0.0918	0.0778	0.1005	0.1655	0.1235	0.1094	0.1048	0.1186
<b>Cu (mg/l)</b>	0.3	0.0033	0.0016	0.0009	0.0008	0.0009	0.0010	0.0008	0.0010	0.0009	0.0010	0.0009	0.0018
<b>CN (mg/l)</b>	1.0	NMR											
<b>Pb (mg/l)</b>	0.2	0.0015	0.0020	0.0008	0.0018	0.0003	0.0007	0.0006	0.0016	0.0008	0.0004	0.0017	0.0054
<b>Ni (mg/l)</b>	0.5	0.0135	0.0110	0.0135	0.0135	0.0150	0.0102	0.0050	0.0128	0.0105	0.0108	0.0160	0.0136
<b>Zn (mg/l)</b>	0.5	0.0285	0.0208	0.0523	0.0135	0.0096	0.0073	0.0073	0.0031	0.0063	0.0044	0.0080	0.0094
<b>TSS (mg/l)</b>	15	3.00	6.25	2.00	10.00	2.50	6.00	8.00	8.75	7.00	2.80	5.50	11.60
<b>Ra-226 (Bq/l)</b>	0.37	—	—	NMR	0.0025	0.0060	NMR	NMR	0.0025	NMR	0.0070	NMR	
<b>pH low</b>	≥6.0	8.1	8.0	7.9	6.5	8.3	8.1	8.0	8.1	7.3	7.3	8.0	7.8
<b>pH high</b>	≤9.5	8.2	8.0	8.2	8.3	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.2
<b>Flow (m<sup>3</sup>/month)</b>	—	22,084	26,535	18,209	36,647	20,763	36,575	29,064	24,065	46,115	26,860	28,890	47,132
<b>Rainbow Trout</b>	Pass	1	1	1	—	1	1	—	—	1	—	1	—
<b>Acute Lethality Test</b>	Fail	0	0	0	—	0	0	—	—	0	—	0	—
<b>Daphnia magna</b>	Pass	1	1	1	—	1	1	—	—	1	—	1	—
<b>Monitoring Test</b>	Fail	0	0	0	—	0	0	—	—	0	—	0	—

NOTES:

**NMR:** No Measurement Required    **ND:** No Deposit    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **-**: No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Dove" for the Dumbos monitoring tool is not a requirement

A *Fuss* for the *badminton* *match* is not *allowed*.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Bell Creek Mine and Mill												
<b>OPERATOR NAME</b>	Lake Shore Gold Corporation												
<b>PRODUCT(S)</b>	Gold												
<b>ADDRESS</b>	800 Florence Street, Porcupine, Ontario P0N 1C0												
<b>EFFLUENT DISCHARGE POINT</b>	Effluent Treatment Plant Discharge												
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Bell Creek Mine and Mill												
OPERATOR NAME	Lake Shore Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	800 Florence Street, Porcupine, Ontario P0N 1C0												
EFFLUENT DISCHARGE POINT	Phase 1 and 2 Seepage Collection Ditch												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Bell Creek Mine and Mill												
<b>OPERATOR NAME</b>	Lake Shore Gold Corporation												
<b>PRODUCT(S)</b>	Gold												
<b>ADDRESS</b>	800 Florence Street, Porcupine, Ontario P0N 1C0												
<b>EFFLUENT DISCHARGE POINT</b>	Phase 3 Seepage Collection Ditch												
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required

**Pass:** ≤50% Mortality    **Fail:** >50% Mortality

— : No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Bell Creek Mine and Mill												
OPERATOR NAME	Lake Shore Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	800 Florence Street, Porcupine, Ontario P0N 1C0												
EFFLUENT DISCHARGE POINT	Polishing Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0238	ND	0.0228	0.0181	0.0110	0.0147	0.0238	0.0252	0.0229	0.0189	0.0226	ND
<b>Cu</b> (mg/l)	0.3	0.0021	ND	0.0034	0.0018	0.0032	0.0069	0.0184	0.0104	0.0280	0.0058	0.0040	ND
<b>CN</b> (mg/l)	1.0	0.0065	ND	0.0088	0.0059	0.0014	0.0081	0.0261	0.0126	0.0031	0.0028	0.0040	ND
<b>Pb</b> (mg/l)	0.2	0.0005	ND	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0013	0.0005	0.0005	ND
<b>Ni</b> (mg/l)	0.5	0.0161	ND	0.0190	0.0149	0.0083	0.0111	0.0260	0.0337	0.0151	0.0158	0.0191	ND
<b>Zn</b> (mg/l)	0.5	0.0047	ND	0.0021	0.0028	0.0043	0.0075	0.0143	0.0105	0.0632	0.0043	0.0027	ND
<b>TSS</b> (mg/l)	15	0.80	ND	1.90	1.28	7.60	3.07	6.25	5.11	4.10	2.12	3.79	ND
<b>Ra-226</b> (Bq/l)	0.37	NMR	ND	0.0025	NMR	0.0025	NMR	NMR	0.0025	NMR	0.0025	NMR	ND
<b>pH low</b>	≥6.0	7.1	ND	7.6	6.7	7.0	7.1	6.7	6.8	7.0	6.8	6.6	ND
<b>pH high</b>	≤9.5	7.2	ND	8.0	7.8	7.8	7.5	7.1	7.4	7.1	7.7	7.2	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	9,107	ND	61,234	120,636	129,246	33,759	81,894	155,642	105,307	79,267	100,852	ND
<b>Rainbow Trout</b>	Pass	1	ND	1	1	1	1	1	1	1	1	1	ND
<b>Acute Lethality Test</b>	Fail	0	ND	0	0	0	0	0	0	0	0	0	ND
<b>Daphnia magna</b>	Pass	1	ND	1	1	1	1	1	1	1	1	1	ND
<b>Monitoring Test</b>	Fail	0	ND	0	0	0	0	0	0	0	0	0	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Bellekeno Mine												
OPERATOR NAME	Alexco Keno Hill Mining Corporation												
PRODUCT(S)	Silver-Lead-Zinc												
ADDRESS	Box 7, Site 2, Elsa, Yukon Y0B 1J0												
EFFLUENT DISCHARGE POINT	Be.KV43—Bellekeno 625 Treatment Pond Decant												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0013	0.0011	0.0008	0.0015	0.0016	0.0010	0.0015	0.0016	0.0008	0.0007	0.0006	0.0006
<b>Cu</b> (mg/l)	0.3	0.0021	0.0019	0.0019	0.0022	0.0023	0.0019	0.0019	0.0015	0.0021	0.0020	0.0019	0.0019
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0039	0.0012	0.0012	0.0116	0.0119	0.0030	0.0042	0.0063	0.0036	0.0017	0.0010	0.0010
<b>Ni</b> (mg/l)	0.5	0.0180	0.0225	0.0180	0.0206	0.0194	0.0173	0.0156	0.0164	0.0165	0.0176	0.0213	0.0204
<b>Zn</b> (mg/l)	0.5	0.1690	0.0584	0.0367	0.1488	0.2203	0.1798	0.0805	0.1955	0.1232	0.1296	0.1038	0.1217
<b>TSS</b> (mg/l)	15	7.50	6.55	6.80	8.73	11.20	11.05	8.05	6.90	12.40	7.15	6.10	13.20
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0140	NMR	NMR
<b>pH low</b>	≥6.0	8.2	8.3	8.5	8.3	8.1	8.5	8.3	8.3	8.5	8.8	8.7	8.8
<b>pH high</b>	≤9.5	8.7	8.8	9.1	8.7	9.1	8.6	8.5	8.6	8.9	9.1	9.4	9.4
<b>Flow</b> (m <sup>3</sup> /month)	—	7,106	5,966	6,235	5,509	6,566	7,626	6,846	7,747	10,546	8,449	10,016	8,012
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
<b>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</b>													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Birchtree Mine												
OPERATOR NAME	Vale Canada Limited												
PRODUCT(S)	Nickel-Copper												
ADDRESS	P.O. Box 5000, Thompson, Manitoba R8N 1P3												
EFFLUENT DISCHARGE POINT	Birchtree Effluent Treatment Plant												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0061	0.0049	0.0019	0.0020	0.0077	0.0023	0.0016	0.0064	0.0017	0.0014	0.0013	0.0013
<b>Cu</b> (mg/l)	0.3	0.0150	0.0213	0.0160	0.0100	0.0050	0.0060	0.0063	0.0050	0.0163	0.0163	0.0100	0.0100
<b>CN</b> (mg/l)	1.0	NMR	0.0143	NMR	0.0030	NMR	0.0010	NMR	0.0330	NMR	0.0039	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0150	0.0223	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0220
<b>Ni</b> (mg/l)	0.5	0.0280	0.0125	0.0100	0.0180	0.0600	0.0125	0.0140	0.0100	0.0120	0.0100	0.0100	0.0100
<b>Zn</b> (mg/l)	0.5	0.0050	0.0095	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
<b>TSS</b> (mg/l)	15	1.28	1.00	1.00	1.25	1.00	1.00	1.00	1.70	1.72	1.55	1.70	1.00
<b>Ra-226</b> (Bq/l)	0.37	0.0700	0.0498	0.0483	0.0910	0.1235	0.1290	0.1276	0.1178	0.1105	0.0925	0.0904	
<b>pH low</b>	≥6.0	6.7	6.8	6.9	7.0	6.8	6.7	6.7	6.8	6.8	6.8	6.7	6.7
<b>pH high</b>	≤9.5	7.0	7.3	7.2	7.2	7.1	7.0	7.1	7.1	7.2	6.9	7.0	7.2
<b>Flow</b> (m <sup>3</sup> /month)	—	23,049	21,693	30,791	33,930	46,028	40,035	36,642	34,271	39,354	31,915	27,518	27,063
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	0	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	NMR	1	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Black Fox Mill Complex																									
OPERATOR NAME	Brigus Gold Corporation/Primero Mining Corporation																									
PRODUCT(S)	Gold																									
ADDRESS	Rural Route 2, Matheson, Ontario P0K 1N0																									
EFFLUENT DISCHARGE POINT	Direct Tailings Pond Effluent																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Comments:</b>	The ownership of the facility was transferred from Brigus Gold Corporation to Primero Mining Corporation.																									
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Fail:</b> >50% Mortality <b>Pass:</b> ≤50% Mortality	— : No data reported																									
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	DEC.																						
		JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.												
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.2408	0.3355	0.3383	0.3305	0.3048	0.3194	0.4600	ND												
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.2051	0.0406	0.0377	0.0341	0.0320	0.0244	0.0248	ND												
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.3477	0.0305	0.0339	0.0253	0.0137	0.1008	0.5640	ND												
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0005	0.0005	0.0006	0.0005	0.0005	0.0006	0.0005	ND												
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.8960	0.4530	0.2973	0.1683	0.1523	0.1980	0.4150	ND												
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0034	0.0025	0.0051	0.0046	0.0045	0.0090	0.0038	ND												
<b>TSS</b> (mg/l)	15	ND	ND	ND	5.63	3.90	3.26	0.91	1.49	1.06	1.30	ND												
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0025	—	—	0.0060	—	0.0025	0.0025	ND												
<b>pH low</b>	≥6.0	ND	ND	ND	8.0	8.0	7.2	7.2	7.3	7.0	8.9	ND												
<b>pH high</b>	≤9.5	ND	ND	ND	8.4	8.1	8.5	8.2	7.9	7.9	8.9	ND												
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	183,275	19,428	89,303	150,755	78,772	116,150	18,709	ND												
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	ND												
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	ND												
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	ND												
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	ND												
<b>Comments:</b>	No radium 226 results were provided for the months of June, July and September. The ownership of the facility was transferred from Brigus Gold Corporation to Primero Mining Corporation.																							
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Black Fox Mine												
OPERATOR NAME	Brigus Gold Corporation/Primero Mining Corporation												
PRODUCT(S)	Gold												
ADDRESS	2839 Highway 101 E, Matheson, Ontario P0K 1N0												
EFFLUENT DISCHARGE POINT	Pike River Discharge Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.4720	0.5807	0.2200	0.2656	0.1572	0.2103	0.2508	0.2225	0.2268	0.1752	0.1605	0.1076
<b>Cu</b> (mg/l)	0.3	0.0023	0.0047	0.0056	0.0036	0.0020	0.0011	0.0012	0.0020	0.0009	0.0012	0.0019	0.0016
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0005	0.0005	0.0005
<b>Ni</b> (mg/l)	0.5	0.1070	0.1263	0.1215	0.0872	0.0599	0.0410	0.0474	0.0746	0.0387	0.0505	0.0572	0.0679
<b>Zn</b> (mg/l)	0.5	0.0208	0.0253	0.0201	0.0163	0.0172	0.0170	0.0146	0.0575	0.0198	0.0151	0.0156	0.0283
<b>TSS</b> (mg/l)	15	0.98	1.00	2.25	3.00	1.13	0.50	1.10	1.38	0.88	1.50	1.21	1.50
<b>Ra-226</b> (Bq/l)	0.37	0.0025	NMR	NMR	0.0025	NMR	0.0025	NMR	0.0025	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	7.1	7.1	6.9	7.1	7.0	7.5	7.4	7.4	7.2	6.8	6.9	
<b>pH high</b>	≤9.5	8.3	8.2	7.2	7.5	7.8	8.0	7.8	7.7	7.6	7.4	7.8	7.9
<b>Flow</b> (m <sup>3</sup> /month)	—	90,112	40,438	75,594	165,431	174,925	48,499	159,119	134,380	125,593	142,170	109,356	105,112
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0

**Comments:** The ownership of the facility was transferred from Brigus Gold Corporation to Primero Mining Corporation.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Fail:** >50% Mortality   **Pass:** ≤50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Black Fox Mine																									
OPERATOR NAME	Brigus Gold Corporation/Primero Mining Corporation																									
PRODUCT(S)	Gold																									
ADDRESS	2839 Highway 101 E, Matheson, Ontario P0K 1N0																									
EFFLUENT DISCHARGE POINT	Salve Creek Transitional Period Discharge Point																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Comments:</b>	The ownership of the facility was transferred from Brigus Gold Corporation to Primero Mining Corporation.																									
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Fail:</b> >50% Mortality <b>Pass:</b> ≤50% Mortality <b>—:</b> No data reported																										
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Bonanza Ledge Mine												
OPERATOR NAME	Barkerville Gold Mines Limited												
PRODUCT(S)	Gold												
ADDRESS	3700 Ski Hill Road, Box 247 Wells, British Columbia V0K 2R0												
EFFLUENT DISCHARGE POINT	Sediment Control Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	0.0038	ND	ND	ND	0.0020	0.0400	
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	0.0062	ND	ND	ND	0.0015	0.0296	
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	0.0005	ND	ND	ND	0.0007	0.0021	
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	0.0056	ND	ND	ND	0.0006	0.0149	
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	0.0071	ND	ND	ND	0.0080	0.0503	
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	0.0083	ND	ND	ND	0.0042	0.0473	
<b>TSS</b> (mg/l)	15	—	—	—	—	—	65.45	ND	ND	ND	7.87	221.00	
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	0.0005	ND	ND	ND	0.0042	0.0140	
<b>pH low</b>	≥6.0	—	—	—	—	—	7.8	ND	ND	ND	8.2	7.9	
<b>pH high</b>	≤9.5	—	—	—	—	—	8.0	ND	ND	ND	8.8	7.9	
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	34,560	ND	ND	ND	14,198	3,312	
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	1	ND	ND	ND	1	—	
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	0	ND	ND	ND	0	—	
<b>Daphnia magna</b>	Pass	—	—	—	—	—	1	ND	ND	ND	1	—	
<b>Monitoring Test</b>	Fail	—	—	—	—	—	0	ND	ND	ND	0	—	

**Comments:** This mine became subject to MMER in June 2014. No toxicity test results were provided for the month of December.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Fail:** >50% Mortality   **Pass:** ≤50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

EFFLUENT DISCHARGE POINT													
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0200	0.0200	0.0225	0.0200	0.0200	0.0200	0.0200	0.0200	ND	ND	0.0200	0.0320
<b>Cu</b> (mg/l)	0.3	0.0100	0.0075	0.0063	0.0140	0.0125	0.0100	0.0083	0.0100	ND	ND	0.0100	0.0080
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	NMR
<b>Pb</b> (mg/l)	0.2	0.0100	0.0100	0.0120	0.0120	0.0125	0.0100	0.0100	0.0100	ND	ND	0.0100	0.0100
<b>Ni</b> (mg/l)	0.5	0.0150	0.0125	0.0100	0.0080	0.0075	0.0063	0.0050	0.0100	ND	ND	0.0100	0.0090
<b>Zn</b> (mg/l)	0.5	0.0825	0.0825	0.0925	0.2660	0.3150	0.2325	0.1267	0.0800	ND	ND	0.2375	0.1540
<b>TSS</b> (mg/l)	15	1.00	1.50	1.75	3.60	3.25	1.50	2.33	1.00	ND	ND	2.00	7.40
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0050	0.0050	NMR	NMR	0.0050	NMR	ND	ND	0.0050	NMR
<b>pH low</b>	≥6.0	9.2	8.9	8.8	8.7	9.0	9.1	9.1	9.3	ND	ND	8.9	9.0
<b>pH high</b>	≤9.5	9.4	9.3	9.2	9.2	9.3	9.2	9.2	9.3	ND	ND	9.2	9.2
<b>Flow</b> (m <sup>3</sup> /month)	—	581,496	472,252	374,600	1,433,729	2,493,938	1,140,437	1,007,416	565,710	ND	ND	500,191	1,079,850
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	ND	ND	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	ND	ND	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	ND	ND	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	ND	ND	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0004	0.0003	0.0005	0.0006	0.0002	0.0003	0.0006	0.0002	0.0002	0.0011	0.0004	0.0004
<b>Cu</b> (mg/l)	0.3	0.0023	0.0019	0.0015	0.0019	0.0031	0.0047	0.0019	0.0021	0.0020	0.0015	0.0016	0.0014
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0001	0.0003	0.0001	0.0001	0.0006	0.0001	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0626	0.0667	0.0627	0.0643	0.0814	0.0662	0.0632	0.0724	0.0743	0.4133	0.4220	0.1345
<b>Zn</b> (mg/l)	0.5	0.0054	0.0050	0.0057	0.0061	0.0062	0.0064	0.0033	0.0084	0.0045	0.0044	0.0043	0.0110
<b>TSS</b> (mg/l)	15	6.33	4.63	5.32	9.75	8.38	7.22	6.35	11.28	8.20	5.30	5.28	6.26
<b>Ra-226</b> (Bq/l)	0.37	0.1000	0.1200	0.2040	0.4725	0.5450	0.2260	0.2573	0.2288	0.1610	0.1185	0.0647	0.0450
<b>pH low</b>	≥6.0	7.5	7.6	7.5	7.6	7.5	7.5	7.8	7.5	7.6	7.5	7.5	7.3
<b>pH high</b>	≤9.5	7.6	7.6	7.7	7.6	7.6	8.0	7.9	7.7	7.9	7.7	7.7	7.5
<b>Flow</b> (m <sup>3</sup> /month)	—	8,991	7,622	8,250	7,214	8,773	10,015	36,578	18,063	12,741	8,493	4,761	4,391
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	0	0	0	0	0	0	1	0	1	0	0	0
<b>Monitoring Test</b>	Fail	1	1	1	1	1	1	0	1	0	1	1	1
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Camflo (Mill)												
OPERATOR NAME	Mines Richmont Incorpore												
PRODUCT(S)	Gold												
ADDRESS	100 Road 117, P.O. Box 640, Malarctic, Quebec J0Y 1Z0												
EFFLUENT DISCHARGE POINT	Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0007	0.0008	0.0014	0.0010	0.0005	0.0010	0.0020	0.0030	0.0015	0.0016	0.0004	0.0005
<b>Cu</b> (mg/l)	0.3	0.0047	0.0043	0.0034	0.0049	0.0517	0.0087	0.0055	0.0035	0.0042	0.0039	0.0029	0.0025
<b>CN</b> (mg/l)	1.0	0.1525	0.1713	0.1628	0.0703	0.0533	0.0775	0.0974	0.0938	0.1312	0.0840	0.0930	0.1282
<b>Pb</b> (mg/l)	0.2	0.0002	0.0008	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
<b>Ni</b> (mg/l)	0.5	0.0121	0.0200	0.0189	0.0102	0.0079	0.0094	0.0115	0.0115	0.0088	0.0082	0.0089	0.0115
<b>Zn</b> (mg/l)	0.5	0.0064	0.0061	0.0024	0.0021	0.0038	0.0036	0.0019	0.0014	0.0066	0.0036	0.0025	0.0054
<b>TSS</b> (mg/l)	15	1.25	2.13	1.70	3.38	8.25	3.50	3.80	3.63	3.10	3.63	2.88	6.20
<b>Ra-226</b> (Bq/l)	0.37	0.0020	NMR	NMR	0.0010	NMR	0.0010	NMR	NMR	0.0030	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.3	7.3	7.4	7.4	7.5	7.5	7.4	7.4	7.2	7.3	7.2	
<b>pH high</b>	≤9.5	7.4	7.6	7.5	7.6	7.7	7.7	7.8	7.5	7.9	7.6	7.4	
<b>Flow</b> (m <sup>3</sup> /month)	—	6,752	5,040	4,776	27,159	172,501	9,556	15,030	14,983	23,276	34,201	27,655	20,301
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR	
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	0	NMR	NMR	0	NMR	NMR	
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR	
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	0	NMR	NMR	0	NMR	NMR	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Campbell Mine												
OPERATOR NAME	Goldcorp Canada Limited												
PRODUCT(S)	Gold												
ADDRESS	10 Mine Road, Balmertown, Ontario P0Y 1C0												
EFFLUENT DISCHARGE POINT	WETOUT												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0155	0.0223	0.0295	0.0301	0.0249	0.0157	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0039	0.0030	0.0031	0.0030	0.0026	0.0026	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0040	0.0035	0.0066	0.0028	0.0022	0.0033	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0001	0.0002	0.0000	0.0001	0.0000	0.0006	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0561	0.0514	0.0644	0.0529	0.0554	0.0551	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0104	0.0069	0.0054	0.0055	0.0078	0.0087	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	3.05	4.46	3.69	3.57	3.07	1.72	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	6.5	6.3	6.1	6.3	6.1	6.4	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	7.6	7.3	7.1	6.9	7.1	7.7	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	89,573	302,119	401,791	353,834	278,161	53,725	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	1	1	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME		Canadian Malartic Mine											
OPERATOR NAME		Corporation minière Osisko											
PRODUCT(S)		Gold											
ADDRESS		100 Mourier Lake Road, Malartic, Quebec J0Y 1Z0											
EFFLUENT DISCHARGE POINT		Final Effluent											
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0979	0.0005	0.0016	0.0007	0.0003	0.0010	0.0003	0.0004	0.0004	0.0003	0.0003	
<b>Cu</b> (mg/l)	0.3	0.0116	0.0067	0.0078	0.0242	0.0285	0.0246	0.0243	0.0122	0.0169	0.0255	0.0151	
<b>CN</b> (mg/l)	1.0	0.1223	0.1450	0.2716	0.3148	0.0245	0.0723	0.0414	0.0335	0.0344	0.1230	0.3020	
<b>Pb</b> (mg/l)	0.2	0.0005	0.0012	0.0011	0.0006	0.0095	0.0002	0.0012	0.0396	0.0004	0.0002	0.0022	
<b>Ni</b> (mg/l)	0.5	0.0547	0.0755	0.0762	0.0333	0.0092	0.0106	0.0079	0.0095	0.0103	0.0182	0.0318	
<b>Zn</b> (mg/l)	0.5	0.0059	0.0053	0.0018	0.0021	0.0030	0.0044	0.0067	0.0039	0.0033	0.0021	0.0043	
<b>TSS</b> (mg/l)	15	1.00	2.25	3.20	3.88	2.75	2.25	1.80	0.88	2.00	1.75	2.13	
<b>Ra-226</b> (Bq/l)	0.37	0.0100	NMR	NMR	0.0240	NMR	NMR	0.0010	NMR	0.0030	0.0050	NMR	
<b>pH low</b>	≥6.0	7.2	7.2	7.1	7.0	6.9	7.5	7.5	7.6	7.5	7.4	7.4	
<b>pH high</b>	≤9.5	7.3	7.3	7.3	7.2	7.5	7.9	8.1	7.8	7.9	8.0	7.7	
<b>Flow</b> (m <sup>3</sup> /month)	—	201,640	100,090	193,330	346,530	122,400	121,650	221,310	332,470	421,580	553,910	371,230	
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Cantung Mine																						
OPERATOR NAME	North American Tungsten Corporation Ltd.																						
PRODUCT(S)	Tungsten																						
ADDRESS	P.O. Box 8448, Watson Lake, Yukon Y0A 1C0																						
EFFLUENT DISCHARGE POINT	4-27-2 Culvert																						
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	0.0005	0.0004	0.0005	0.0010	0.0008	0.0007	0.0009	0.0008	0.0009	0.0009	0.0006	0.0006										
<b>Cu</b> (mg/l)	0.3	0.0014	0.0012	0.0009	0.0009	0.0011	0.0012	0.0008	0.0011	0.0012	0.0011	0.0010	0.0011										
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR										
<b>Pb</b> (mg/l)	0.2	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000										
<b>Ni</b> (mg/l)	0.5	0.0006	0.0007	0.0007	0.0029	0.0013	0.0009	0.0007	0.0005	0.0006	0.0007	0.0005	0.0003										
<b>Zn</b> (mg/l)	0.5	0.0023	0.0016	0.0030	0.0038	0.0040	0.0020	0.0020	0.0020	0.0018	0.0030	0.0018	0.0028										
<b>TSS</b> (mg/l)	15	1.13	2.00	2.13	2.63	2.00	2.75	2.25	2.20	2.25	2.00	2.40											
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0025	NMR	NMR	NMR										
<b>pH low</b>	≥6.0	7.5	7.6	7.6	7.7	7.8	7.7	7.8	7.5	7.6	7.7	7.5	7.0										
<b>pH high</b>	≤9.5	7.6	7.7	7.8	7.9	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.8										
<b>Flow</b> (m <sup>3</sup> /month)	—	177,686	153,061	159,333	131,303	79,793	275,733	250,515	286,032	379,769	322,137	286,207	299,635										
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR										
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR										
<b>Daphnia magna</b>	Pass	0	1	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR										
<b>Monitoring Test</b>	Fail	1	0	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR										
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Cantung Mine												
OPERATOR NAME	North American Tungsten Corporation Ltd.												
PRODUCT(S)	Tungsten												
ADDRESS	P.O. Box 848, Watson Lake, Yukon Y0A 1C0												
EFFLUENT DISCHARGE POINT	Polishing Pond Four and Bore Hole 4-28-1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0004	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004
<b>Cu</b> (mg/l)	0.3	0.0009	0.0004	0.0020	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Ni</b> (mg/l)	0.5	0.0082	0.0090	0.0089	0.0090	0.0095	0.0105	0.0094	0.0087	0.0082	0.0079	0.0081	0.0081
<b>Zn</b> (mg/l)	0.5	0.0070	0.0113	0.0108	0.0078	0.0078	0.0088	0.0088	0.0083	0.0072	0.0078	0.0078	0.0076
<b>TSS</b> (mg/l)	15	0.50	1.25	1.60	0.75	0.75	1.00	0.75	1.13	0.80	1.00	1.00	0.90
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	0.0000	0.0050	NMR	NMR	0.0050	NMR	0.0060	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.7	7.8	7.7	7.8	7.7	7.7	7.7	7.6	7.7	7.5	6.8	
<b>pH high</b>	≤9.5	7.9	7.8	7.9	7.9	7.9	7.8	7.9	7.8	7.8	7.9	7.7	
<b>Flow</b> (m <sup>3</sup> /month)	—	52,487	54,249	82,159	83,956	130,053	37,282	28,211	23,146	19,078	37,924	76,911	64,671
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	2	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Cantung Mine																							
OPERATOR NAME	North American Tungsten Corporation Ltd.																							
PRODUCT(S)	Tungsten																							
ADDRESS	P.O. Box 848, Watson Lake, Yukon Y0A 1C0																							
EFFLUENT DISCHARGE POINT	Portal Main Adit 4-13																							
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Cantung Mine												
OPERATOR NAME	North American Tungsten Corporation Ltd.												
PRODUCT(S)	Tungsten												
ADDRESS	P.O. Box 848, Watson Lake, Yukon Y0A 1C0												
EFFLUENT DISCHARGE POINT	Settling Pond 5-2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0004	ND						
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0071	ND						
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	ND						
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0005	ND						
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0008	ND						
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0110	ND						
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	9.63	ND						
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0050	ND						
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.7	ND						
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.9	ND						
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	27,948	ND						
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	ND						
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	ND						
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	ND						
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	ND						
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Caribou Mine—Mill												
OPERATOR NAME	Trevali Mining (New Brunswick) Ltd												
PRODUCT(S)	Zinc-Lead-Silver-Copper-Gold												
ADDRESS	9361 Route 180, Bathurst, New Brunswick E2A 3Z1												
EFFLUENT DISCHARGE POINT	Polishing Pond Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0026	0.0028	0.0023	0.0024	0.0006	0.0020	0.0026	0.0025	0.0020	0.0020	0.0023	0.0011
<b>Cu</b> (mg/l)	0.3	0.0060	0.0065	0.0080	0.0102	0.0055	0.0053	0.0050	0.0045	0.0050	0.0050	0.0055	0.0092
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0120	0.0117	0.0101	0.0096	0.0044	0.0022	0.0050	0.0022	0.0050	0.0028	0.0041	0.0045
<b>Ni</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0007	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Zn</b> (mg/l)	0.5	0.3546	0.4523	0.4853	0.4798	0.2000	0.1925	0.1524	0.1670	0.0768	0.1542	0.2280	0.3638
<b>TSS</b> (mg/l)	15	1.40	1.00	2.25	1.00	1.00	2.00	2.00	2.75	1.00	3.00	2.25	1.00
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0200	NMR	NMR	0.0025	—	—	—	NMR	NMR	0.0025
<b>pH low</b>	≥6.0	7.1	7.3	7.1	7.4	6.8	7.2	7.1	7.0	6.9	7.2	6.8	7.0
<b>pH high</b>	≤9.5	7.5	7.5	7.4	7.5	7.2	7.4	7.3	10.3	7.1	7.6	7.3	7.4
<b>Flow</b> (m <sup>3</sup> /month)	—	101,852	122,179	132,534	285,312	1,533,252	169,774	245,468	105,376	15,494	308,394	218,877	387,981
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>	No radium 226 results were provided for the third quarter.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0775	0.1020	0.1264	ND	ND	0.0740	0.0888	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0155	0.0132	0.0135	ND	ND	0.0075	0.0306	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0207	0.0055	0.0123	ND	ND	0.0204	0.0563	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0002	0.0009	0.0002	ND	ND	0.0030	0.0002	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0072	0.0125	0.0142	ND	ND	0.0137	0.0233	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0023	0.0025	0.0053	ND	ND	0.0020	0.0058	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	2.00	2.67	1.67	ND	ND	3.50	6.25	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0013	0.0010	0.0010	ND	ND	0.0022	0.0035	ND	
<b>pH low</b>	≥6.0	ND	ND	ND	7.7	7.7	7.6	ND	ND	7.4	7.4	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	7.8	7.9	7.7	ND	ND	7.7	7.8	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	459,331	487,001	251,249	ND	ND	897,790	463,105	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	ND	ND	2	1	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	ND	ND	0	0	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	ND	ND	2	1	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	ND	ND	0	0	ND	
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Chisel North Mine																									
OPERATOR NAME	Hudbay Minerals Inc.																									
PRODUCT(S)	Zinc																									
ADDRESS	P.O. Box 130, Snow Lake, Manitoba ROB 1M0																									
EFFLUENT DISCHARGE POINT	Chisel North Mine Discharge																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	ND	ND	0.0005	0.0005	0.0005													
<b>Cu</b> (mg/l)	0.3	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	ND	ND	0.0040	0.0040	0.0040													
<b>CN</b> (mg/l)	1.0	NMR	ND	ND	NMR	NMR	NMR																			
<b>Pb</b> (mg/l)	0.2	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	ND	ND	0.0100	0.0100	0.0100													
<b>Ni</b> (mg/l)	0.5	0.0174	0.0135	0.0180	0.0180	0.0058	0.0076	0.0073	ND	ND	0.0050	0.0120	0.0150													
<b>Zn</b> (mg/l)	0.5	0.3234	0.3228	0.3165	0.3272	0.1468	0.1580	0.1795	ND	ND	0.1447	0.1640	0.3380													
<b>TSS</b> (mg/l)	15	3.80	3.05	2.21	2.51	2.69	6.50	6.05	ND	ND	1.98	1.40	6.00													
<b>Ra-226</b> (Bq/l)	0.37	0.0740	0.0825	0.0725	0.0575	0.0725	0.1200	0.1650	ND	ND	0.1500	0.1000	0.0700													
<b>pH low</b>	≥6.0	7.0	7.5	7.8	7.6	7.7	7.1	8.8	ND	ND	7.0	8.4	8.8													
<b>pH high</b>	≤9.5	9.3	8.8	8.9	8.8	8.6	7.6	9.0	ND	ND	7.8	8.4	8.8													
<b>Flow</b> (m <sup>3</sup> /month)	—	141,000	161,959	171,184	162,660	149,440	138,867	105,805	ND	ND	111,421	31,021	10,960													
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	ND	1	NMR	NMR													
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	ND	ND	0	NMR	NMR													
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	ND	1	NMR	NMR													
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	ND	ND	0	NMR	NMR													
<b>Comments:</b>																										
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																										
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Cigar Lake Project												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 2.2B												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0015	0.0006	0.0009	0.0038	0.0036	0.0014	0.0009	0.0018	0.0023	0.0041	0.0070	0.0121
<b>Cu</b> (mg/l)	0.3	0.0009	0.0006	0.0004	0.0005	0.0008	0.0014	0.0005	0.0013	0.0011	0.0008	0.0003	0.0003
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0033	0.0020	0.0021	0.0020	0.0013	0.0016	0.0008	0.0018	0.0020	0.0015	0.0021	0.0028
<b>Zn</b> (mg/l)	0.5	0.0088	0.0158	0.0232	0.0397	0.0209	0.0295	0.0358	0.0431	0.0358	0.0316	0.0313	0.0143
<b>TSS</b> (mg/l)	15	1.13	0.56	0.54	0.59	0.97	1.20	1.61	1.82	1.29	1.30	0.50	0.57
<b>Ra-226</b> (Bq/l)	0.37	0.0080	0.0043	0.0055	0.0032	0.0049	0.0046	0.0047	0.0164	0.0078	0.0102	0.0056	0.0064
<b>pH low</b>	≥6.0	6.9	6.8	6.9	6.8	6.9	6.9	6.6	6.6	6.6	6.9	6.8	6.8
<b>pH high</b>	≤9.5	7.2	7.3	7.3	7.1	7.3	7.3	7.2	7.1	7.3	7.1	7.0	7.1
<b>Flow</b> (m <sup>3</sup> /month)	–	21,562	19,580	23,228	22,868	56,098	42,003	28,700	36,594	41,248	35,741	30,676	22,931
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	1	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	0	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	1	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	0	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Cigar Lake Project												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 2.2C												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

**Comments:** This was registered as a new final discharge point on August 07, 2013.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Fail:** >50% Mortality    **Pass:** ≤50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Clavos Mine												
OPERATOR NAME	Sage Gold Inc.												
PRODUCT(S)	Gold												
ADDRESS	Finn Road, German Township, Ontario P0K 1N0												
EFFLUENT DISCHARGE POINT	Clavos Mine Drainage Area												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	—
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:** No effluent data were reported in 2014 for the Clavos Mine Drainage Area discharge point. It should be noted that a second discharge point named "Sedimentation Pond" was included for Clavos Mine in the *Summary Review of Performance of Metal/Mines Subject to the Metal Mining Effluent Regulations in 2013* but was removed from this report as the discharge point is no longer subject to the MMER as of January 1, 2013.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Complexe métallurgique Sorel-Tracy												
OPERATOR NAME	QIT Fer et Titane Inc.												
PRODUCT(S)	Iron-Titanium												
ADDRESS	1625 Marie-Victorin Road, Sorel-Tracy, Quebec J3R 1M6												
EFFLUENT DISCHARGE POINT	Final Effluent QIT (Point 1.4)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0027	0.0019	0.0022	0.0032	0.0030	0.0022	0.0029	0.0034	0.0023	0.0022	0.0023	0.0026
<b>Cu</b> (mg/l)	0.3	0.0077	0.0076	0.0113	0.0083	0.0045	0.0050	0.0054	0.0056	0.0089	0.0054	0.0054	0.0103
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0103	0.0060	0.0071	0.0113	0.0145	0.0124	0.0121	0.0228	0.0076	0.0130	0.0163	0.0079
<b>Ni</b> (mg/l)	0.5	0.0235	0.0224	0.0276	0.0279	0.0125	0.0094	0.0122	0.0090	0.0126	0.0122	0.0079	0.0280
<b>Zn</b> (mg/l)	0.5	0.1257	0.0781	0.1240	0.1919	0.1618	0.1196	0.0879	0.1560	0.0444	0.0793	0.1830	0.1200
<b>TSS</b> (mg/l)	15	11.03	8.63	9.67	6.89	6.00	6.00	3.89	3.38	5.00	8.44	11.00	11.88
<b>Ra-226</b> (Bq/l)	0.37	0.0022	0.0098	0.0053	NMR	0.0015	0.0011	0.0031	0.0013	0.0010	NMR	0.0020	NMR
<b>pH low</b>	≥6.0	7.2	7.4	7.6	7.5	7.3	7.7	6.7	7.8	7.8	7.3	7.4	
<b>pH high</b>	≤9.5	7.8	7.7	7.7	7.7	7.9	7.9	8.1	8.0	8.0	8.0	7.8	7.8
<b>Flow</b> (m <sup>3</sup> /month)	—	2,519,484	2,600,514	3,401,354	2,790,927	4,437,425	4,478,614	3,288,177	3,033,191	3,576,214	4,250,820	6,046,774	6,758,639
<b>Rainbow Trout</b>	Pass	1	NMR	NMR									
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	
<b>Daphnia magna</b>	Pass	1	NMR	NMR									
<b>Monitoring Test</b>	Fail	0	NMR	NMR									
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Complexe métallurgique Sorel-Tracy												
OPERATOR NAME	QIT Fer et Titane Inc.												
PRODUCT(S)	Iron-Titanium												
ADDRESS	1625 Marie-Victorin Road, Sorel-Tracy, Quebec J3R 1M6												
EFFLUENT DISCHARGE POINT	EFF2.2-P84												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0022	0.0020	0.0021	0.0020	0.0016	0.0020	0.0014	0.0019	0.0012	0.0013		
<b>Cu</b> (mg/l)	0.3	0.0086	0.0075	0.0080	0.0261	0.0118	0.0273	0.0168	0.0091	0.0084	0.0203	0.0127	
<b>CN</b> (mg/l)	1.0	NMR	0.0000	NMR									
<b>Pb</b> (mg/l)	0.2	0.0028	0.0025	0.0030	0.0118	0.0040	0.0123	0.0088	0.0024	0.0024	0.0085	0.0066	
<b>Ni</b> (mg/l)	0.5	0.0113	0.0113	0.0118	0.0264	0.0133	0.0285	0.0142	0.0100	0.0090	0.0223	0.0183	
<b>Zn</b> (mg/l)	0.5	0.0265	0.0210	0.0345	0.0569	0.1183	0.0663	0.0278	0.0174	0.0133	0.0457	0.0288	
<b>TSS</b> (mg/l)	15	2.35	3.75	2.75	16.00	5.75	15.50	8.25	5.25	5.25	10.80	13.00	
<b>Ra-226</b> (Bq/l)	0.37	0.0010	0.0543	0.0040	NMR	NMR	0.0010	0.0010	0.0020	0.0030	NMR	NMR	
<b>pH low</b>	≥6.0	7.4	7.9	7.5	7.0	7.4	7.4	7.7	7.6	7.9	7.6	7.2	
<b>pH high</b>	≤9.5	7.7	8.3	8.2	7.4	7.8	7.6	8.6	8.5	8.8	8.5	7.6	
<b>Flow</b> (m <sup>3</sup> /month)	—	10,284	4,438	7,288	28,923	14,087	21,251	10,236	10,340	4,319	7,927	12,891	
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Con Mine												
<b>OPERATOR NAME</b>	Miramar Northern Mining Ltd.												
<b>PRODUCT(S)</b>	Gold												
<b>ADDRESS</b>	75 Con Road, Yellowknife, Northwest Territories X1A 2M1												
<b>EFFLUENT DISCHARGE POINT</b>	Surveillance Network Program Station 40-1												
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Cliff Complex												
OPERATOR NAME	Vale Canada 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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0032	0.0017	0.0036	0.0010	0.0005	0.0010	0.0014	ND	0.0026	0.0016	0.0010	0.0024
<b>Cu</b> (mg/l)	0.3	0.0333	0.0213	0.0288	0.0218	0.0065	0.0095	0.0100	ND	0.0078	0.0218	0.0263	0.0134
<b>CN</b> (mg/l)	1.0	0.0018	0.0126	0.0287	0.0242	0.0077	0.0031	0.0019	ND	0.0013	0.0010	0.0013	0.0010
<b>Pb</b> (mg/l)	0.2	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	ND	0.0001	0.0003	0.0002	0.0003
<b>Ni</b> (mg/l)	0.5	0.1818	0.2320	0.2200	0.0984	0.0310	0.0283	0.0380	ND	0.0398	0.1190	0.1303	0.1286
<b>Zn</b> (mg/l)	0.5	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	ND	0.0009	0.0037	0.0030	0.0050
<b>TSS</b> (mg/l)	15	2.60	2.95	3.25	2.00	1.00	1.60	1.73	ND	1.73	3.00	1.78	2.52
<b>Ra-226</b> (Bq/l)	0.37	0.0110	NMR	NMR	0.0070	NMR	NMR	0.0130	ND	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	6.5	6.9	7.4	7.6	7.2	8.1	7.8	ND	8.5	7.8	7.7	7.1
<b>pH high</b>	≤9.5	8.8	8.7	8.5	8.8	8.6	8.9	8.4	ND	8.9	9.0	9.1	8.3
<b>Flow</b> (m <sup>3</sup> /month)	—	4,550,428	5,245,632	5,222,973	4,873,842	5,477,085	4,896,692	2,286,700	ND	3,979,404	4,340,421	5,443,890	5,710,851
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	ND	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	ND	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Cliff Complex												
OPERATOR NAME	Vale Canada 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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0020	0.0020	ND	ND	ND	ND	0.0052	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	4.8410	4.3482	ND	ND	ND	ND	9.4318	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR	ND	ND	ND	ND	NMR	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0090	0.0090	ND	ND	ND	ND	0.0089	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	12.6969	12.2290	ND	ND	ND	ND	25.4400	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.2922	0.2744	ND	ND	ND	ND	0.5852	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	58.17	39.52	ND	ND	ND	ND	27.40	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0100	0.0025	ND	ND	ND	ND	0.0050	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	4.7	4.4	ND	ND	ND	ND	3.7	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	11.7	9.8	ND	ND	ND	ND	4.3	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	314,291	48,524	ND	ND	ND	ND	142,192	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	0	0	ND	ND	ND	ND	0	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	1	1	ND	ND	ND	ND	1	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	0	0	ND	ND	ND	ND	0	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	1	1	ND	ND	ND	ND	1	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0004	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0002	0.0003	
<b>Cu</b> (mg/l)	0.3	0.0585	0.0225	0.0080	0.1282	0.0875	0.0370	0.0220	0.0173	0.0613	0.0914	0.0710	0.0724
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0055	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.2903	0.1845	0.0855	0.4210	0.3180	0.1770	0.1540	0.1177	0.2230	0.3240	0.3428	0.2332
<b>Zn</b> (mg/l)	0.5	0.0078	0.0025	0.0025	0.0093	0.0068	0.0025	0.0034	0.0045	0.0050	0.0064	0.0086	0.0079
<b>TSS</b> (mg/l)	15	2.55	1.40	2.70	3.80	2.15	1.25	1.44	3.80	1.85	2.26	1.35	2.00
<b>Ra-226</b> (Bq/l)	0.37	0.0080	NMR	NMR	0.0060	NMR	NMR	0.0070	NMR	NMR	0.0080	NMR	NMR
<b>pH low</b>	≥6.0	8.0	7.3	8.4	6.9	8.4	7.9	8.4	8.7	8.4	8.0	7.8	7.6
<b>pH high</b>	≤9.5	8.8	8.8	8.5	8.8	8.7	8.5	8.9	8.7	8.8	9.1	8.6	8.8
<b>Flow</b> (m <sup>3</sup> /month)	—	404,829	357,168	119,306	659,905	766,551	648,995	442,666	190,906	628,412	632,929	608,340	638,476
<b>Rainbow Trout</b>	Pass	1	NMR	NMR									
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR									
<b>Daphnia magna</b>	Pass	1	NMR	NMR	0	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	1	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Mountain Mine													
OPERATOR NAME	Copper Mountain Mine (BC) Ltd.													
PRODUCT(S)	Copper-Gold-Silver													
ADDRESS	20 km South of Highway #3, near Princeton, British Columbia V0X 1W0													
EFFLUENT DISCHARGE POINT	Co.SW07-W. Dam Seepage													
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	
<b>As</b> (mg/l)	0.5	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	NMR	0.0010	NMR	NMR	0.0010	NMR
<b>Cu</b> (mg/l)	0.3	0.0033	0.0015	0.0033	0.0031	0.0028	0.0028	NMR	0.0027	NMR	NMR	0.0023	NMR	
<b>CN</b> (mg/l)	1.0	NMR												
<b>Pb</b> (mg/l)	0.2	0.0000	0.0002	0.0000	0.0000	0.0001	NMR	0.0000	NMR	NMR	0.0000	NMR	NMR	
<b>Ni</b> (mg/l)	0.5	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	NMR	0.0003	NMR	NMR	0.0003	NMR	
<b>Zn</b> (mg/l)	0.5	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	NMR	0.0032	NMR	NMR	0.0015	NMR	
<b>TSS</b> (mg/l)	15	0.78	0.85	0.50	0.64	0.50	0.95	0.50	0.63	3.03	0.50	0.50	0.50	
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0067	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR	
<b>pH low</b>	≥6.0	7.7	7.9	7.8	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.7	
<b>pH high</b>	≤9.5	8.1	8.2	8.0	8.1	8.0	8.1	8.1	8.0	8.2	8.2	8.0	8.2	
<b>Flow</b> (m <sup>3</sup> /month)	—	28,284	79,361	90,720	56,280	28,128	40,027	7,612	5,821	494	71,325	60,495	55,943	
<b>Rainbow Trout</b>	Pass	NMR	1	NMR										
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR										
<b>Daphnia magna</b>	Pass	NMR	1	NMR										
<b>Monitoring Test</b>	Fail	NMR	0	NMR										
<b>Comments:</b>														
<b>NOTES:</b>														
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.														

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Mountain Mine												
OPERATOR NAME	Copper Mountain Mine (BC) Ltd.												
PRODUCT(S)	Copper-Gold-Silver												
ADDRESS	20 km South of Highway #3, near Princeton, British Columbia V0X 1W0												
EFFLUENT DISCHARGE POINT	Co.SW09 -Level 6 Adit												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0021	0.0026	0.0032	0.0022	0.0030	0.0019	NMR	0.0017	NMR	NMR	0.0017	NMR
<b>Cu</b> (mg/l)	0.3	0.0246	0.0264	0.0337	0.0286	0.0399	0.0268	-	0.0257	-	-	0.0215	-
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	NMR	0.0000	NMR	NMR	0.0000	NMR
<b>Ni</b> (mg/l)	0.5	0.0016	0.0016	0.0020	0.0021	0.0032	0.0029	NMR	0.0024	NMR	NMR	0.0018	NMR
<b>Zn</b> (mg/l)	0.5	0.0052	0.0045	0.0051	0.0055	0.0049	0.0057	NMR	0.0066	NMR	NMR	0.0050	NMR
<b>TSS</b> (mg/l)	15	0.50	0.50	0.50	0.78	0.50	0.75	0.50	0.50	0.65	0.50	0.50	0.50
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0057	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR
<b>pH low</b>	≥6.0	8.0	8.1	8.0	7.7	7.9	7.8	7.9	7.7	7.9	8.0	7.8	
<b>pH high</b>	≤9.5	8.2	8.2	8.1	8.0	8.1	8.1	8.0	8.1	8.1	8.2	7.9	
<b>Flow</b> (m <sup>3</sup> /month)	-	26,939	18,275	64,170	42,318	28,148	22,208	24,626	20,569	15,563	14,533	11,700	23,475
<b>Rainbow Trout</b>	Pass	NMR	1	NMR									
<b>Acute Lethality Test</b>	Foil	NMR	0	NMR									
<b>Daphnia magna</b>	Pass	NMR	1	NMR									
<b>Monitoring Test</b>	Foil	NMR	0	NMR									

**Comments:** No copper test results were provided for the months of July, September, October and December. In order to be in reduced frequency for a parameter, the monthly mean values for that parameter must be <10% of the limit value for the 12 months leading up to the test.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **-:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Mountain Mine												
OPERATOR NAME	Copper Mountain Mine (BC) Ltd.												
PRODUCT(S)	Copper-Gold-Silver												
ADDRESS	20 km South of Highway #3, near Princeton, British Columbia V0X 1W0												
EFFLUENT DISCHARGE POINT	Co.SW[2]—D4 Dump Drainage												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0019	0.0016	0.0072	0.0014	0.0014	NMR	0.0015	NMR	NMR	0.0016	NMR	
<b>Cu</b> (mg/l)	0.3	0.0222	0.0268	0.0159	0.1940	0.0191	0.0226	NMR	0.0211	NMR	NMR	0.0161	NMR
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR							
<b>Pb</b> (mg/l)	0.2	0.0001	0.0002	0.0001	0.0072	0.0001	0.0001	NMR	0.0001	NMR	NMR	0.0001	NMR
<b>Ni</b> (mg/l)	0.5	0.0012	0.0005	0.0012	0.0219	0.0012	0.0013	NMR	0.0012	NMR	NMR	0.0011	NMR
<b>Zn</b> (mg/l)	0.5	0.0030	0.0030	0.0030	0.0530	0.0030	0.0030	NMR	0.0030	NMR	NMR	0.0030	NMR
<b>TSS</b> (mg/l)	15	11.55	8.28	9.55	709.34	725	7.98	8.68	7.48	2.80	3.94	4.18	2.24
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0058	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR
<b>pH low</b>	≥6.0	8.1	8.3	8.2	8.1	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1
<b>pH high</b>	≤9.5	8.3	8.6	8.3	8.2	8.3	8.3	8.4	8.2	8.3	8.4	8.4	8.2
<b>Flow</b> (m <sup>3</sup> /month)	—	2,209	1,512	1,914	3,294	2,031	1,883	1,941	1,969	1,980	1,792	1,268	1,035
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Mountain Mine												
OPERATOR NAME	Copper Mountain Mine (BC) Ltd.												
PRODUCT(S)	Copper-Gold-Silver												
ADDRESS	20 km South of Highway #3, near Princeton, British Columbia V0X 1W0												
EFFLUENT DISCHARGE POINT	Co.SW27-E Dam Seepage												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0009	0.0009	ND	0.0009	0.0009	0.0008	ND	0.0008	NMR	NMR	0.0011	NMR
<b>Cu</b> (mg/l)	0.3	0.0011	0.0010	ND	0.0009	0.0005	0.0013	ND	0.0009	NMR	NMR	0.0009	NMR
<b>CN</b> (mg/l)	1.0	NMR	NMR	ND	NMR	NMR	ND	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0000	0.0000	ND	0.0000	0.0000	0.0000	ND	0.0000	NMR	NMR	0.0000	NMR
<b>Ni</b> (mg/l)	0.5	0.0003	0.0003	ND	0.0003	0.0003	0.0003	ND	0.0003	NMR	NMR	0.0003	NMR
<b>Zn</b> (mg/l)	0.5	0.0015	0.0015	ND	0.0015	0.0015	0.0015	ND	0.0015	NMR	NMR	0.0015	NMR
<b>TSS</b> (mg/l)	15	0.50	0.50	ND	0.77	0.50	0.50	ND	0.50	0.50	0.50	0.50	0.50
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0058	ND	NMR	0.0050	NMR	ND	0.0050	NMR	NMR	0.0050	NMR
<b>pH low</b>	≥6.0	8.0	8.1	ND	8.0	8.0	8.0	ND	7.9	8.1	7.8	7.8	7.8
<b>pH high</b>	≤9.5	8.1	8.2	ND	8.1	8.0	8.1	ND	8.0	8.2	8.2	8.0	8.2
<b>Flow</b> (m <sup>3</sup> /month)	—	15,150	83	ND	30,152	1,923	391	ND	19,651	71,282	92,163	85,073	80,786
<b>Rainbow Trout</b>	Pass	NMR	1	ND	NMR	1	NMR	ND	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	ND	NMR	0	NMR	ND	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	ND	NMR	1	NMR	ND	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	ND	NMR	0	NMR	ND	0	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Mountain Mine												
OPERATOR NAME	Copper Mountain Mine (BC) Ltd.												
PRODUCT(S)	Copper-Gold-Silver												
ADDRESS	20 km South of Highway #3, near Princeton, British Columbia V0X 1W0												
EFFLUENT DISCHARGE POINT	Co.SW36—Lost Horse Gulch Drainage												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0007	0.0008	0.0008	0.0007	0.0008	0.0008	NMR	0.0008	NMR	NMR	0.0008	NMR
<b>Cu</b> (mg/l)	0.3	0.0117	0.0119	0.0150	0.0131	0.0131	0.0137	NMR	0.0142	NMR	NMR	0.0120	NMR
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR								
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	NMR	0.0000	NMR	NMR	0.0001	NMR
<b>Ni</b> (mg/l)	0.5	0.0012	0.0011	0.0005	0.0010	0.0010	0.0011	NMR	0.0012	NMR	NMR	0.0011	NMR
<b>Zn</b> (mg/l)	0.5	0.0030	0.0030	0.0030	0.0015	0.0015	0.0015	NMR	0.0015	NMR	NMR	0.0030	NMR
<b>TSS</b> (mg/l)	15	0.50	0.50	0.63	1.04	0.63	0.93	0.96	1.03	0.70	0.50	0.50	0.76
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0073	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR
<b>pH low</b>	≥6.0	8.0	8.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.0	8.0	8.1
<b>pH high</b>	≤9.5	8.3	8.3	8.2	8.2	8.3	8.3	8.2	8.3	8.3	8.3	8.4	8.4
<b>Flow</b> (m <sup>3</sup> /month)	—	10,385	7,371	30,341	17,214	13,400	12,803	11,718	10,478	10,328	7,713	6,045	8,723
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Copper Mountain Mine												
OPERATOR NAME	Copper Mountain Mine (BC) Ltd.												
PRODUCT(S)	Copper-Gold-Silver												
ADDRESS	20 km South of Highway #3, near Princeton, British Columbia V0X 1W0												
EFFLUENT DISCHARGE POINT	Co.SW37-D2 Dump Drainage												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0013	0.0015	0.0013	0.0013	0.0012	0.0012	NMR	0.0012	NMR	NMR	0.0013	NMR
<b>Cu</b> (mg/l)	0.3	0.0161	0.0170	0.0185	0.0278	0.0170	0.0191	NMR	0.0170	NMR	NMR	0.0134	NMR
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	NMR	0.0001	NMR	NMR	0.0001	NMR
<b>Ni</b> (mg/l)	0.5	0.0005	0.0010	0.0007	0.0009	0.0005	0.0005	NMR	0.0005	NMR	NMR	0.0005	NMR
<b>Zn</b> (mg/l)	0.5	0.0030	0.0060	0.0015	0.0015	0.0030	0.0030	NMR	0.0030	NMR	NMR	0.0030	NMR
<b>TSS</b> (mg/l)	15	2.23	2.55	3.03	4.22	1.40	2.10	2.32	2.68	2.05	1.62	4.45	6.58
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0080	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR
<b>pH low</b>	≥6.0	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1
<b>pH high</b>	≤9.5	8.3	8.3	8.2	8.2	8.3	8.2	8.3	8.2	8.3	8.3	8.4	8.3
<b>Flow</b> (m <sup>3</sup> /month)	—	2,356	1,463	5,247	7,092	3,472	3,473	3,670	3,232	2,655	3,205	4,148	4,166
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0011	0.0031	ND	0.0003	0.0005	0.0010	0.0013	0.0008	0.0011	0.0009	0.0005
<b>Cu</b> (mg/l)	0.3	0.0082	0.0061	0.0078	ND	0.0100	0.0086	0.0072	0.0068	0.0069	0.0055	0.0044	
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	ND	0.0000	NMR	NMR	NMR	0.0025	0.0025	0.0025	NMR
<b>Pb</b> (mg/l)	0.2	0.0002	0.0012	0.0002	ND	0.0211	0.0005	0.0002	0.0002	0.0017	0.0002	0.0031	0.0002
<b>Ni</b> (mg/l)	0.5	0.0144	0.0094	0.0111	ND	0.0036	0.0075	0.0063	0.0061	0.0058	0.0058	0.0049	0.0066
<b>Zn</b> (mg/l)	0.5	0.0020	0.0008	0.0005	ND	0.0013	0.0069	0.0042	0.0010	0.0015	0.0010	0.0010	0.0028
<b>TSS</b> (mg/l)	15	1.38	1.13	1.00	ND	3.50	1.75	1.80	0.75	1.01	1.63	1.75	1.00
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	ND	NMR	0.0010	NMR	NMR	0.0030	0.0010	0.0020	NMR
<b>pH low</b>	≥6.0	7.6	7.6	7.6	ND	7.4	7.8	7.9	7.9	7.8	7.6	7.8	7.7
<b>pH high</b>	≤9.5	7.7	7.7	7.6	ND	7.6	8.0	8.4	8.4	8.0	8.1	7.8	7.9
<b>Flow</b> (m <sup>3</sup> /month)	—	56,593	25,343	311	ND	652,288	246,554	30,342	14,110	10,534	37,388	129,308	111,364
<b>Rainbow Trout</b>	Pass	—	—	—	ND	NMR	1	NMR	NMR	1	1	1	NMR
<b>Acute Lethality Test</b>	Foil	—	—	—	ND	NMR	0	NMR	NMR	0	0	0	NMR
<b>Daphnia magna</b>	Pass	—	—	—	ND	NMR	1	NMR	NMR	1	1	1	NMR
<b>Monitoring Test</b>	Foil	—	—	—	ND	NMR	0	NMR	NMR	0	0	0	NMR
<b>Comments:</b>	No radium 226 results were provided for the first quarter. No toxicity test results were provided for the first quarter.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Clean Hill Mine												
OPERATOR NAME	Vale Canada Ltd.												
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum												
ADDRESS	410 Clean Hill Road, Copper Cliff (Walden), Ontario P0M 1N0												
EFFLUENT DISCHARGE POINT	Clean Hill Mine Waste Water Treatment System												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0002	0.0002	0.0003	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0003	0.0004
<b>Cu</b> (mg/l)	0.3	0.023	0.0055	0.0113	0.0114	0.0070	0.0053	0.0046	0.0050	0.0135	0.0216	0.0305	0.0328
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0055	0.0000	0.0000	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.2808	0.1025	0.0830	0.2654	0.1665	0.0895	0.0728	0.0665	0.2323	0.3216	0.3700	0.3664
<b>Zn</b> (mg/l)	0.5	0.0034	0.0025	0.0042	0.0025	0.0025	0.0025	0.0025	0.0019	0.0027	0.0039	0.0088	0.0080
<b>TSS</b> (mg/l)	15	1.85	1.00	2.10	2.24	1.00	1.00	1.00	1.25	1.00	2.08	2.75	3.45
<b>Ra-226</b> (Bq/l)	0.37	0.0110	NMR	NMR	0.0150	NMR	NMR	0.0160	NMR	NMR	0.0090	NMR	NMR
<b>pH low</b>	≥6.0	6.9	6.6	7.0	6.9	8.3	8.4	8.4	8.4	8.2	7.8	8.0	8.4
<b>pH high</b>	≤9.5	7.6	7.4	7.4	8.8	8.6	8.6	8.6	8.5	8.6	8.7	8.7	8.7
<b>Flow</b> (m <sup>3</sup> /month)	—	66,340	49,084	52,514	324,238	219,056	52,410	41,259	45,262	172,888	318,505	269,250	88,410
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	David Bell Mine												
OPERATOR NAME	Barrick Gold Corporation—DB Operating Corporation												
PRODUCT(S)	Gold												
ADDRESS	Teck-Corona Road, Hwy 17, Marathon, Ontario P0T 2E0												
EFFLUENT DISCHARGE POINT	Quarry Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0005	0.0005	ND						
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0009	0.0005	ND						
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0010	0.0010	ND						
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0005	0.0005	ND						
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0018	0.0010	ND						
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0209	0.0060	ND						
<b>TSS</b> (mg/l)	15	ND	ND	ND	1.50	1.00	ND						
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0050	0.0050	ND						
<b>pH low</b>	≥6.0	ND	ND	ND	7.7	7.4	ND						
<b>pH high</b>	≤9.5	ND	ND	ND	8.2	7.4	ND						
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	7,885	414	ND						
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	ND						
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	ND						
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	ND						
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	ND						
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality    — : No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	David Bell Mine																						
OPERATOR NAME	Barrick Gold Corporation—DB Operating Corporation																						
PRODUCT(S)	Gold																						
ADDRESS	Teck-Corona Road, Hwy 17, Marathon, Ontario P0T 2E0																						
EFFLUENT DISCHARGE POINT	Sedimentation Pond Effluent																						
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0005	0.0009	0.0010	0.0025	ND	0.0021	0.0017	0.0011	0.0005										
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0029	0.0024	0.0036	0.0035	ND	0.0009	0.0012	0.0012	0.0035										
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0038	0.0033	0.0040	0.0040	ND	0.0020	0.0023	0.0020	0.0060										
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0005	0.0005	0.0005	0.0007	ND	0.0005	0.0005	0.0005	0.0005										
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0044	0.0046	0.0047	0.0034	ND	0.0045	0.0050	0.0051	0.0086										
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0630	0.0859	0.1410	0.0277	ND	0.0313	0.0495	0.0565	0.2260										
<b>TSS</b> (mg/l)	15	ND	ND	ND	4.25	1.00	3.00	5.67	ND	2.33	1.00	1.00	7.00										
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0050	0.0050	0.0050	0.0050	ND	0.0067	0.0050	0.0050	0.0120										
<b>pH low</b>	≥6.0	ND	ND	7.7	7.6	6.5	7.5	ND	7.6	7.6	7.8	7.6											
<b>pH high</b>	≤9.5	ND	ND	7.7	8.0	6.5	8.1	ND	8.0	7.9	7.8	7.6											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	10,493	11,475	1,392	4,710	ND	5,622	7,448	1,526	1,350											
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	1	ND	1	1	1	1											
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	ND	0	0	0	0											
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	1	ND	1	1	1	1											
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	ND	0	0	0	0											
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	—
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:** No effluent data were reported in 2014.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Doyon (Mine)												
OPERATOR NAME	IAMGOLD Corporation												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 970, Rouyn-Noranda, Quebec J9X 5C8												
EFFLUENT DISCHARGE POINT	Pond A Final Effluent (D-203)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0013	0.0005	0.0005	0.0007	NMR	0.0010	0.0003	0.0003	0.0006
<b>Cu</b> (mg/l)	0.3	0.0968	0.2250	0.0405	0.0228	0.0110	0.0179	0.0057	0.0052	0.0181	0.0118	0.0125	0.0130
<b>CN</b> (mg/l)	1.0	0.0763	0.2688	0.0449	0.0526	0.0203	0.0130	0.0047	0.0100	0.0025	0.0104	0.0260	0.0452
<b>Pb</b> (mg/l)	0.2	0.0016	0.0003	0.0003	0.0003	0.0003	0.0003	0.0064	NMR	0.0006	0.0002	0.0002	0.0002
<b>Ni</b> (mg/l)	0.5	0.0042	0.0045	0.0030	0.0058	0.0027	0.0013	0.0194	0.0213	0.0224	0.0221	0.0142	0.0168
<b>Zn</b> (mg/l)	0.5	0.0035	0.0035	0.0078	0.0130	0.0084	0.0035	0.0010	NMR	0.0050	0.0005	0.0090	0.0030
<b>TSS</b> (mg/l)	15	3.95	2.20	2.60	6.48	4.05	3.05	6.80	3.00	3.00	3.50	4.50	6.20
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0025	NMR	0.0025	NMR	0.0010	NMR	NMR	0.0020	NMR	NMR
<b>pH low</b>	≥6.0	7.7	7.8	7.7	6.6	7.5	7.7	6.5	6.6	6.3	6.4	6.9	6.7
<b>pH high</b>	≤9.5	7.9	8.3	8.2	7.9	7.9	7.8	7.5	6.6	6.3	7.4	7.8	7.3
<b>Flow</b> (m <sup>3</sup> /month)	—	410,320	533,773	381,109	449,350	783,587	487,744	419,205	47,212	15,964	496,015	688,080	586,901
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Duck Pond Operations												
OPERATOR NAME	Teck Resources Ltd.												
PRODUCT(S)	Copper-Zinc-Silver-Gold												
ADDRESS	30-32 Route 370, Box 9, Millertown, Newfoundland and Labrador A0H 1V0												
EFFLUENT DISCHARGE POINT	Polishing Pond Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0043	0.0063	0.0050	0.0050	0.0100	0.0050	0.0050	0.0050	0.0060	0.0100	0.0125	0.0063
<b>Cu</b> (mg/l)	0.3	0.0646	0.0900	0.0848	0.0700	0.0690	0.1477	0.1285	0.0930	0.1134	0.0583	0.0470	0.1470
<b>CN</b> (mg/l)	1.0	0.0050	0.0050	0.0050	0.0050	0.0038	0.0025	0.0038	0.0036	0.0030	0.0025	0.0025	0.0025
<b>Pb</b> (mg/l)	0.2	0.0085	0.0076	0.0051	0.0035	0.0063	0.0125	0.0125	0.0178	0.0160	0.0070	0.0035	0.0049
<b>Ni</b> (mg/l)	0.5	0.0035	0.0050	0.0028	0.0020	0.0040	0.0020	0.0020	0.0028	0.0028	0.0020	0.0020	0.0048
<b>Zn</b> (mg/l)	0.5	0.2435	0.2663	0.1880	0.1580	0.1015	0.2600	0.3010	0.1335	0.3504	0.2355	0.3070	0.4938
<b>TSS</b> (mg/l)	15	2.00	1.50	1.75	3.00	2.50	1.67	4.50	3.50	2.60	3.25	2.00	1.00
<b>Ra-226</b> (Bq/l)	0.37	—	0.0025	0.0140	0.0130	0.0025	0.0110	0.0100	0.0355	0.0145	0.0165	0.0025	0.0025
<b>pH low</b>	≥6.0	7.4	7.6	7.3	6.9	7.2	6.5	6.8	7.3	7.2	7.3	6.7	7.1
<b>pH high</b>	≤9.5	7.6	7.6	7.7	6.9	7.5	6.6	7.4	7.7	7.8	7.5	7.1	8.1
<b>Flow</b> (m <sup>3</sup> /month)	—	93,968	552,728	323,610	32,284	106,498	294,765	47,865	562,915	561,331	272,938	104,024	158,758
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	2	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	0	1	1	2	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	1	0	0	0	0	0
<b>Comments:</b>	No radium 226 results were provided for the month of January.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0047	0.0050	ND	ND	0.0087	0.0053	0.0043	0.0043	0.0050
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.1467	0.0960	ND	ND	0.0793	0.0943	0.0853	0.0853	0.0670
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.1475	0.0472	ND	ND	0.0553	0.0657	0.1450	0.1450	0.1433
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0117	0.0059	ND	ND	0.0018	0.0027	0.0048	0.0048	0.0023
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0333	0.0272	ND	ND	0.0217	0.0443	0.0458	0.0458	0.0377
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.017	0.0474	ND	ND	0.0463	0.0637	0.0538	0.0538	0.0460
<b>TSS</b> (mg/l)	15	ND	ND	ND	15.50	3.79	ND	ND	1.67	2.33	4.00	4.00	1.33
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0020	0.0025	ND	ND	—	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	ND	ND	ND	6.2	6.9	ND	ND	6.8	6.8	6.7	6.7	7.0
<b>pH high</b>	≤9.5	ND	ND	ND	6.6	7.3	ND	ND	8.2	7.5	7.4	7.4	7.2
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	27,292	67,419	ND	ND	26,779	38,223	85,897	85,897	30,635
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	ND	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	ND	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	ND	ND	ND	0	1	ND	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	ND	ND	ND	1	0	ND	0	0	0	0	0	0
<b>Comments:</b>	No radium 226 results were provided for the third quarter.												

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Eagle River Mine												
OPERATOR NAME	Wesdome Gold Mines Ltd.												
PRODUCT(S)	Gold												
ADDRESS	93 Mission Road, P.O. Box 1520, Wawa, Ontario P0S 1K0												
EFFLUENT DISCHARGE POINT	FDP 1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0006	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0047	0.0037	0.0039	0.0029	0.0043	0.0052	0.0032	0.0026	0.0034	0.0043	0.0049	0.0047
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0008	0.0004	0.0005	0.0005	0.0008	0.0010	0.0003	0.0003	0.0006	0.0010	0.0014	0.0011
<b>Ni</b> (mg/l)	0.5	0.0045	0.0043	0.0043	0.0029	0.0028	0.0037	0.0036	0.0040	0.0036	0.0040	0.0045	0.0044
<b>Zn</b> (mg/l)	0.5	0.0067	0.0061	0.0064	0.0063	0.0085	0.0092	0.0068	0.0071	0.0083	0.0100	0.0119	0.0104
<b>TSS</b> (mg/l)	15	3.84	1.50	3.13	0.70	9.75	5.00	2.70	1.50	2.90	5.50	7.75	8.60
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0110	NMR	NMR	0.0050	0.0025	0.0025	NMR	NMR	0.0025	NMR
<b>pH low</b>	≥6.0	6.7	6.9	6.7	6.7	6.5	7.1	7.0	7.0	6.7	6.9	7.1	6.9
<b>pH high</b>	≤9.5	7.1	7.3	6.9	7.0	7.1	7.5	7.5	7.3	7.6	7.5	7.4	7.4
<b>Flow</b> (m <sup>3</sup> /month)	—	21,894	23,581	19,167	26,917	49,662	22,927	18,936	16,386	27,338	33,276	34,065	25,200
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	1	1	1	1	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	0	0	0	0	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	NMR	1	1	1	1	1	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	NMR	0	0	0	0	0	0	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Edwards Mine												
OPERATOR NAME	Strike Minerals Inc.												
PRODUCT(S)	Gold												
ADDRESS	Goudreau Road, Jacobson, Ontario POS 1B0												
EFFLUENT DISCHARGE POINT	Edwards Mine Effluent Discharge 1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	—
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Comments:</b>	No effluent data were reported in 2014.												

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Éléonore (Mine)												
OPERATOR NAME	Goldcorp Incorpore												
PRODUCT(S)	Gold												
ADDRESS	853 Rideau Boulevard, Rouyn-Noranda, Quebec J9Y 0G3												
EFFLUENT DISCHARGE POINT	Final Effluent—Waste Rock Pile												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0067	0.0095	0.0083	0.0079	0.0058	0.0078	—	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	0.0021	0.0037	0.0034	0.0040	0.0080	0.0059	—	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	0.0019	0.0005	0.0049	0.0013	0.0002	0.0052	—	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	0.0216	0.0220	0.0262	0.0205	0.0221	0.0233	—	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	0.0243	0.0048	0.0027	0.0085	0.0055	0.0073	—	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	12.40	10.50	12.00	9.25	3.13	4.17	4.00	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	0.1912	0.1540	0.0842	0.1133	0.2073	0.2447	—	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	6.4	6.3	6.3	6.2	6.4	6.4	6.5	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	6.6	6.7	6.6	6.5	6.6	6.6	6.5	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	63,054	72,979	64,300	51,514	46,910	25,009	7,608	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	—	—	—	—	—	
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	—	—	—	—	—	
<b>Daphnia magna</b>	Pass	1	1	0	1	1	1	—	—	—	—	—	
<b>Monitoring Test</b>	Fail	0	0	1	0	0	0	—	—	—	—	—	
<b>Comments:</b>	Only TSS, pH and flow were reported for the month of July.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Éléonore (Mine)												
OPERATOR NAME	Goldcorp Incorpore												
PRODUCT(S)	Gold												
ADDRESS	853 Rideau Boulevard, Rouyn-Noranda, Quebec J9Y 0G3												
EFFLUENT DISCHARGE POINT	Final Effluent—Industrial Water Treatment Plant												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	0.0043	0.0143	0.0111	0.0100	0.0087	0.0338	0.0460
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	0.0027	0.0041	0.0034	0.0021	0.0048	0.6217	0.2249
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	NMR	NMR	0.0110	0.0108	0.7898	0.5988	
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	0.0028	0.0127	0.0007	0.0002	0.0058	0.0002	0.0002
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	0.0112	0.0130	0.0143	0.0126	0.0113	0.0545	0.0440
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	0.0061	0.0031	0.0132	0.0099	0.0030	0.0029	0.0042
<b>TSS</b> (mg/l)	15	—	—	—	—	—	1.90	1.63	1.80	1.63	2.50	3.50	3.50
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	0.2765	0.2503	0.1664	0.0838	0.0503	0.1975	0.0910
<b>pH low</b>	≥6.0	—	—	—	—	—	6.9	6.4	6.5	6.4	6.5	6.8	6.9
<b>pH high</b>	≤9.5	—	—	—	—	—	7.2	6.7	7.1	6.8	6.8	7.1	7.4
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	116,325	101,275	101,489	113,941	148,712	84,167	78,185
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	1	1	1	1	0	1	
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	0	0	0	0	2	1	
<b>Daphnia magna</b>	Pass	—	—	—	—	—	1	1	0	1	0	1	
<b>Monitoring Test</b>	Fail	—	—	—	—	—	0	0	1	0	2	1	

**Comments:** This was registered as a final discharge point on June 05, 2014.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Elross Lake Area Iron Ore Mine												
OPERATOR NAME	Tata Steel Minerals Canada Limited												
PRODUCT(S)	Iron												
ADDRESS	15 km NW of Schefferville, QC, Newfoundland and Labrador												
EFFLUENT DISCHARGE POINT	Outlet of Sedimentation Pond 2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0027	ND						
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0117	ND						
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	ND						
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0037	ND						
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0078	ND						
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0795	ND						
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	142.00	ND						
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0120	ND						
<b>pH low</b>	≥6.0	ND	ND	ND	ND	5.8	ND						
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.8	ND						
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	192,715	ND						
<b>Rainbow Trout</b>	Pass	1	1	1	0	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	1	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Endako Mines												
OPERATOR NAME	Thompson Creek Mining												
PRODUCT(S)	Molybdenum												
ADDRESS	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
EFFLUENT DISCHARGE POINT	En.Al.—Tailings Pond 1 South												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0001	NMR	NMR	NMR	0.0001	NMR	0.0001	NMR	0.0001	NMR	NMR
<b>Cu</b> (mg/l)	0.3	NMR	0.0005	NMR	NMR	NMR	0.0005	NMR	0.0005	NMR	0.0005	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	0.0204	NMR	NMR	NMR	0.0067	NMR	NMR	0.0025	NMR	0.0088	NMR
<b>Pb</b> (mg/l)	0.2	NMR	0.0001	NMR	NMR	NMR	0.0001	NMR	NMR	0.0001	NMR	0.0001	NMR
<b>Ni</b> (mg/l)	0.5	NMR	0.0016	NMR	NMR	NMR	0.0033	NMR	NMR	0.0005	NMR	0.0010	NMR
<b>Zn</b> (mg/l)	0.5	NMR	0.0030	NMR	NMR	NMR	0.0030	NMR	NMR	0.0030	NMR	0.0030	NMR
<b>TSS</b> (mg/l)	15	0.90	0.77	2.13	3.14	2.30	2.10	1.44	1.95	1.62	2.40	3.13	4.48
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0043	NMR	NMR	0.0041	NMR	NMR	0.0020	NMR	0.0029	NMR	NMR
<b>pH low</b>	≥6.0	7.9	7.9	7.8	8.0	8.0	7.9	8.0	8.0	8.1	7.8	7.8	7.8
<b>pH high</b>	≤9.5	7.9	8.1	8.2	8.0	8.1	8.2	8.2	8.2	8.1	8.3	8.1	8.0
<b>Flow</b> (m <sup>3</sup> /month)	—	6,160	2,138	52,245	116,550	111,870	91,010	66,242	47,434	10,310	11,160	68,648	86,090
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Endako Mines												
OPERATOR NAME	Thompson Creek Mining												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0003	NMR	NMR	0.0001	NMR	NMR	0.0003	NMR	0.0002	NMR	NMR
<b>Cu</b> (mg/l)	0.3	NMR	0.0005	NMR	NMR	0.0005	NMR	NMR	0.0005	NMR	0.0005	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	0.0513	NMR	NMR	0.0372	NMR	NMR	0.0455	NMR	0.0479	NMR	NMR
<b>Pb</b> (mg/l)	0.2	NMR	0.0001	NMR	NMR	0.0001	NMR	NMR	0.0001	NMR	0.0001	NMR	NMR
<b>Ni</b> (mg/l)	0.5	NMR	0.0005	NMR	NMR	0.0005	NMR	NMR	0.0005	NMR	0.0005	NMR	NMR
<b>Zn</b> (mg/l)	0.5	NMR	0.0030	NMR	NMR	0.0030	NMR	NMR	0.0030	NMR	0.0030	NMR	NMR
<b>TSS</b> (mg/l)	15	3.85	4.73	6.63	11.74	9.83	6.23	9.02	12.93	8.88	5.90	4.68	3.20
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0078	NMR	NMR	0.0050	NMR	NMR	0.0030	NMR	0.0030	NMR	NMR
<b>pH low</b>	≥6.0	7.8	7.8	8.0	7.9	8.0	7.9	7.9	7.9	7.8	8.0	7.9	7.8
<b>pH high</b>	≤9.5	8.0	8.0	8.2	8.0	8.1	8.1	8.2	8.1	8.1	8.2	8.0	8.1
<b>Flow</b> (m <sup>3</sup> /month)	—	44,914	38,374	43,262	57,732	53,327	48,660	43,411	41,687	40,894	42,934	39,925	41,430
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Endako Mines												
OPERATOR NAME	Thompson Creek Mining												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0002	NMR	NMR	NMR	0.0001	NMR	0.0001	NMR	NMR	NMR	NMR
<b>Cu</b> (mg/l)	0.3	NMR	0.0005	NMR	NMR	NMR	0.0005	NMR	0.0005	NMR	NMR	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	0.0181	NMR	NMR	NMR	0.0053	NMR	0.0075	NMR	0.0025	NMR	NMR
<b>Pb</b> (mg/l)	0.2	NMR	0.0001	NMR	NMR	NMR	0.0001	NMR	0.0001	NMR	0.0001	NMR	NMR
<b>Ni</b> (mg/l)	0.5	NMR	0.0005	NMR	NMR	NMR	0.0012	NMR	NMR	0.0005	NMR	0.0005	NMR
<b>Zn</b> (mg/l)	0.5	NMR	0.0030	NMR	NMR	NMR	0.0030	NMR	NMR	0.0030	NMR	NMR	NMR
<b>TSS</b> (mg/l)	15	0.50	0.50	1.62	0.50	0.98	1.28	0.90	0.88	0.50	1.15	0.62	
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0026	NMR	NMR	0.0024	NMR	NMR	0.0038	NMR	0.0035	NMR	NMR
<b>pH low</b>	≥6.0	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.1	7.9	7.9	
<b>pH high</b>	≤9.5	8.1	8.0	8.2	8.1	8.2	8.2	8.3	8.2	8.2	8.3	8.1	8.1
<b>Flow</b> (m <sup>3</sup> /month)	—	136,974	118,706	313,447	208,198	182,668	147,091	140,228	92,430	408	19,019	117,995	151,267
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Endako Mines												
OPERATOR NAME	Thompson Creek Mining												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0002	NMR	NMR	0.0001	NMR	NMR	0.0001	NMR	0.0001	NMR	NMR
<b>Cu</b> (mg/l)	0.3	NMR	0.0005	NMR	NMR	0.0005	NMR	NMR	0.0005	NMR	0.0005	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	0.0645	NMR	NMR	0.0025	NMR	NMR	0.0025	NMR	0.0085	NMR	NMR
<b>Pb</b> (mg/l)	0.2	NMR	0.0001	NMR	NMR	0.0001	NMR	NMR	0.0001	NMR	0.0001	NMR	NMR
<b>Ni</b> (mg/l)	0.5	NMR	0.0005	NMR	NMR	0.0005	NMR	NMR	0.0005	NMR	0.0005	NMR	NMR
<b>Zn</b> (mg/l)	0.5	NMR	0.0030	NMR	NMR	0.0030	NMR	NMR	0.0030	NMR	0.0030	NMR	NMR
<b>TSS</b> (mg/l)	15	0.50	0.85	1.05	0.60	1.20	2.23	1.04	1.43	0.78	0.85	0.65	0.60
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0030	NMR	NMR	0.0041	NMR	NMR	0.0030	NMR	0.0028	NMR	NMR
<b>pH low</b>	≥6.0	7.7	7.7	7.9	7.8	7.9	7.8	7.9	7.9	7.9	8.0	7.8	7.7
<b>pH high</b>	≤9.5	7.9	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.0	8.0
<b>Flow</b> (m <sup>3</sup> /month)	—	26,777	36,647	35,417	37,182	32,158	22,903	21,820	21,389	22,366	31,126	20,982	24,449
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Endako Mines												
OPERATOR NAME	Thompson Creek Mining												
PRODUCT(S)	Molybdenum												
ADDRESS	Bag 4001, Fraser Lake, British Columbia V0J 1S0												
EFFLUENT DISCHARGE POINT	En.SBC—Endako Pit												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0001	NMR	0.0003	NMR	NMR	0.0003	NMR	0.0003	NMR	NMR	NMR
<b>Cu</b> (mg/l)	0.3	NMR	0.0014	NMR	0.0013	NMR	NMR	0.0013	NMR	0.0013	NMR	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	0.0025	NMR	0.0025	NMR	NMR	0.0025	NMR	0.0025	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	NMR	0.0001	NMR	0.0001	NMR	NMR	0.0001	NMR	0.0001	NMR	NMR	NMR
<b>Ni</b> (mg/l)	0.5	NMR	0.0005	NMR	0.0013	NMR	NMR	0.0013	NMR	0.0013	NMR	NMR	NMR
<b>Zn</b> (mg/l)	0.5	NMR	0.0030	NMR	0.0150	NMR	NMR	0.0150	NMR	0.0150	NMR	NMR	NMR
<b>TSS</b> (mg/l)	15	0.50	0.50	1.10	0.50	1.75	0.84	1.33	1.18	0.65	0.70	0.50	
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0024	NMR	0.0022	NMR	NMR	0.0043	NMR	0.0022	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.9	7.9	8.0	8.0	8.0	8.1	8.1	7.9	8.0	7.7	7.7	
<b>pH high</b>	≤9.5	8.1	8.1	8.1	8.2	8.1	8.2	8.2	8.2	8.3	8.1	8.1	
<b>Flow</b> (m <sup>3</sup> /month)	—	4,281	2,774	5,832	35,572	16,484	5,649	3,733	2,948	3,132	3,288	4,376	3,605
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Endako Mines												
OPERATOR NAME	Thompson Creek Mining												
PRODUCT(S)	Molybdenum												
ADDRESS	Bag 40001, Fraser Lake, British Columbia V0J 1S0												
EFFLUENT DISCHARGE POINT	En.W2—Denak West Pit												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	ND	NMR	0.0003	NMR	ND	ND	ND	ND	0.0005	ND	
<b>Cu</b> (mg/l)	0.3	0.0013	ND	NMR	0.0013	NMR	ND	ND	ND	ND	0.0025	ND	
<b>CN</b> (mg/l)	1.0	0.0025	ND	NMR	0.0025	NMR	ND	ND	ND	ND	0.0025	ND	
<b>Pb</b> (mg/l)	0.2	0.0001	ND	NMR	0.0001	NMR	ND	ND	ND	ND	0.0003	ND	
<b>Ni</b> (mg/l)	0.5	0.0013	ND	NMR	0.0025	NMR	ND	ND	ND	ND	0.0025	ND	
<b>Zn</b> (mg/l)	0.5	0.0150	ND	NMR	0.0150	NMR	ND	ND	ND	ND	0.0300	ND	
<b>TSS</b> (mg/l)	15	0.50	ND	2.30	0.86	0.73	1.55	ND	ND	ND	3.70	ND	
<b>Ra-226</b> (Bq/l)	0.37	0.0054	ND	NMR	0.0031	NMR	ND	ND	ND	ND	0.0064	ND	
<b>pH low</b>	≥6.0	7.8	ND	7.9	7.8	8.1	8.2	ND	ND	ND	8.1	ND	
<b>pH high</b>	≤9.5	7.8	ND	8.0	8.0	8.2	8.5	ND	ND	ND	8.1	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	76	ND	1,024	12,505	10,819	4,371	ND	ND	ND	262	ND	
<b>Rainbow Trout</b>	Pass	1	ND	NMR	NMR	1	NMR	ND	ND	ND	1	ND	
<b>Acute Lethality Test</b>	Fail	0	ND	NMR	NMR	0	NMR	ND	ND	ND	0	ND	
<b>Daphnia magna</b>	Pass	1	ND	NMR	NMR	1	NMR	ND	ND	ND	1	ND	
<b>Monitoring Test</b>	Fail	0	ND	NMR	NMR	0	NMR	ND	ND	ND	0	ND	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Fire Lake (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	389 Road, P.O. Box 1817, Mont-Wright, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	Beaver Pit—Spillway (Fl-2)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0006	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0008	0.0005	0.0034	0.0040	0.0013	0.0011	0.0010	0.0081	0.0005	0.0008	0.0008	0.0010
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.0008	0.0005	0.0011	0.0011	0.0005
<b>Ni</b> (mg/l)	0.5	0.0015	0.0018	0.0013	0.0032	0.0040	0.0016	0.0005	0.0006	0.0009	0.0008	0.0011	0.0012
<b>Zn</b> (mg/l)	0.5	0.0350	0.0375	0.0368	0.1310	0.0150	0.0305	0.0625	0.0060	0.0180	0.0140	0.0106	0.0154
<b>TSS</b> (mg/l)	15	1.88	1.38	0.50	2.30	11.75	3.00	1.30	3.25	2.60	2.50	1.50	0.60
<b>Ra-226</b> (Bq/l)	0.37	0.0010	0.0030	0.0140	0.0010	0.0010	0.0005	0.0005	0.0010	0.0040	0.0020	0.0030	
<b>pH low</b>	≥6.0	7.0	6.2	6.5	7.0	7.0	7.2	7.1	7.1	7.6	7.0	7.7	6.9
<b>pH high</b>	≤9.5	7.8	7.9	7.5	7.6	7.5	7.9	7.7	7.7	7.9	7.6	8.1	7.3
<b>Flow</b> (m <sup>3</sup> /month)	—	13,541	6,664	7,378	26,373	532,440	162,807	132,068	126,251	169,705	142,931	60,352	29,508
<b>Rainbow Trout</b>	Pass	1	2	1	2	1	1	1	1	1	1	2	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	1	0	0	0
<b>Daphnia magna</b>	Pass	1	2	1	1	2	1	1	1	2	2	1	
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Fire Lake (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	389 Road, P.O. Box 1817, Mont-Wright, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	Fire Lake 5 (FL-5)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	0.0007	0.0005	0.0005	0.0006	0.0005	0.0005	0.0006	0.0006	0.0005
<b>Cu</b> (mg/l)	0.3	—	—	—	0.0118	0.0038	0.0013	0.0020	0.0015	0.0011	0.0009	0.0015	0.0005
<b>CN</b> (mg/l)	1.0	—	—	—	NMR								
<b>Pb</b> (mg/l)	0.2	—	—	—	0.0013	0.0005	0.0005	0.0005	0.0005	0.0005	0.0009	0.0009	0.0005
<b>Ni</b> (mg/l)	0.5	—	—	—	0.0092	0.0028	0.0006	0.0016	0.0009	0.0008	0.0009	0.0016	0.0005
<b>Zn</b> (mg/l)	0.5	—	—	—	0.0208	0.0118	0.0119	0.1244	0.0210	0.0122	0.0085	0.0096	0.0035
<b>TSS</b> (mg/l)	15	—	—	—	29.33	7.75	2.38	19.70	1.50	1.20	0.63	0.50	3.00
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	0.0145	0.0010	0.0010	0.0020	0.0020	0.0020	0.0010	0.0010	—
<b>pH low</b>	≥6.0	—	—	—	7.1	6.5	6.7	7.0	6.8	7.3	7.1	7.2	7.7
<b>pH high</b>	≤9.5	—	—	—	8.1	7.5	7.6	7.8	7.3	7.6	7.6	7.6	7.7
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	940	35,712	14,327	13,455	7,454	13,742	10,167	4,397	232
<b>Rainbow Trout</b>	Pass	—	—	—	2	1	1	2	2	1	1	1	—
<b>Acute Lethality Test</b>	Fail	—	—	—	0	0	0	0	0	1	0	0	—
<b>Daphnia magna</b>	Pass	—	—	—	2	1	1	2	2	1	2	1	—
<b>Monitoring Test</b>	Fail	—	—	—	0	0	0	0	0	0	0	0	—

**Comments:** This was registered as a new final discharge point in September, 2013. No radium 226 results were provided for December. No toxicity test results were provided for December. The second toxicity test results were not provided for the month of November after a failed test in October.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Fire Lake (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	389 Road, P.O. Box 1817, Mont-Wright, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	Fire Lake-6												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	0.0009	0.0005	0.0005	ND	ND
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	0.0205	0.0020	0.0030	ND	ND
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	NMR	NMR	NMR	ND	ND
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	0.0026	0.0008	0.0005	ND	ND
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	0.0208	0.0020	0.0030	ND	ND
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	0.0803	0.0600	0.0703	ND	ND
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	184.83	12.75	18.67	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	0.0150	0.0020	0.0020	ND	ND
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	7.3	6.8	7.6	ND	ND
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	7.8	7.7	8.5	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	20,078	7,178	3,684	ND	ND
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	4	3	1	ND	ND
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	0	0	0	ND	ND
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	4	3	1	ND	ND
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	0	0	0	ND	ND

**Comments:** This was registered as a final discharge point in May/2014. No effluent data were reported for the months of May and June.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Fail:** >50% Mortality   **Pass:** ≤50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Fire Lake (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	389 Road, P.O. Box 1817, Mont-Wright, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	FireLake-Q												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	0.0005	—
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	0.0009	—
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	NMR	—
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	0.0006	—
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	0.0025	—
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	0.0069	—
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	12.75	—
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	0.0050	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	6.9	—
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	7.3	—
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	1,691	201
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	ND
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	ND
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	ND
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	0	—

**Comments:** This was registered as a final discharge point in August, 2014. No acute lethality test results were provided for October. Only flow was reported for November. No effluent data was provided for the months of August and September.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Flin Flon Complex												
OPERATOR NAME	Hudbay Minerals Incorporated												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0113	0.0110	0.0113	0.0092	0.0009	0.0005	0.0005	0.0005	0.0005	0.0005	0.0038	0.0112
<b>Cu</b> (mg/l)	0.3	0.0040	0.0040	0.0040	0.0054	0.0073	0.0040	0.0040	0.0057	0.0060	0.0068	0.0068	0.0104
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0100	0.0100	0.0100	0.0280	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
<b>Ni</b> (mg/l)	0.5	0.0046	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035
<b>Zn</b> (mg/l)	0.5	0.0373	0.0405	0.0330	0.0490	0.1195	0.0548	0.1060	0.2213	0.0500	0.0412	0.0200	0.0180
<b>TSS</b> (mg/l)	15	1.04	1.55	1.20	1.32	1.94	1.26	0.98	1.50	0.83	0.58	0.71	0.89
<b>Ra-226</b> (Bq/l)	0.37	0.0250	0.0095	0.0275	0.0220	0.0275	0.0263	0.0088	0.0083	0.0067	0.0200	0.0175	NMR
<b>pH low</b>	≥6.0	8.0	8.1	8.3	8.1	7.8	6.3	6.9	7.1	8.5	7.3	7.6	8.1
<b>pH high</b>	≤9.5	9.1	9.1	8.8	9.1	8.3	7.9	8.5	7.8	8.7	9.0	8.2	8.5
<b>Flow</b> (m <sup>3</sup> /month)	—	869,382	708,711	788,572	1,090,058	1,078,721	1,416,385	1,287,698	616,321	450,337	448,603	1,152,628	872,076
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	0	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	1	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Francoeur (Mine)												
OPERATOR NAME	Richmont Mines Inc.												
PRODUCT(S)	Gold												
ADDRESS	199 Provencher Avenue, P.O. 39, Rouyn-Noranda, Quebec J0Z 1B0												
EFFLUENT DISCHARGE POINT	Francoeur Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0010	0.0014	0.0010	0.0006	0.0004	0.0003	0.0004	0.0004	0.0004	0.0005	0.0005	0.0008
<b>Cu</b> (mg/l)	0.3	0.0055	0.0023	0.0090	0.0042	0.0010	0.0020	0.0012	0.0010	0.0055	0.0056	0.0055	0.0046
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0054	0.0001	0.0000	0.0001	0.0001	0.0002
<b>Ni</b> (mg/l)	0.5	0.2995	0.2303	0.3420	0.1220	0.1425	0.1148	0.1068	0.0800	0.1158	0.1980	0.0935	0.2036
<b>Zn</b> (mg/l)	0.5	0.0103	0.0083	0.0095	0.0041	0.0034	0.0025	0.0025	0.0037	0.0034	0.0036	0.0050	0.0093
<b>TSS</b> (mg/l)	15	1.70	1.30	11.60	1.58	1.00	1.00	1.00	1.30	1.00	1.78	1.00	1.72
<b>Ra-226</b> (Bq/l)	0.37	0.0120	NMR	NMR	0.0110	NMR	NMR	0.0100	NMR	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	7.0	7.2	7.3	7.5	7.8	8.3	7.3	8.2	8.2	7.4	7.4	7.1
<b>pH high</b>	≤9.5	7.7	8.3	8.0	8.4	8.4	8.5	8.8	8.6	8.3	8.1	8.3	8.1
<b>Flow</b> (m <sup>3</sup> /month)	—	64,015	64,876	49,842	103,299	116,088	88,214	89,476	79,346	95,142	129,119	95,850	89,700
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Géant Dormant (Mine)												
OPERATOR NAME	Maudore Minerals Ltd.–Mines Auribec Inc.												
PRODUCT(S)	Gold												
ADDRESS	Km 118, Road 109 North, Amos, Quebec J9T 3A3												
EFFLUENT DISCHARGE POINT	GD-E01 Final Effluent—Mine Water Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0011	0.0009	0.0021	0.0028	0.0010	0.0003	0.0020	0.0015	0.0014	0.0003	0.0019	0.0011
<b>Cu</b> (mg/l)	0.3	0.0038	0.0003	0.0003	0.0054	0.0054	0.0078	0.0039	0.0033	0.0034	0.0022	0.0026	0.0017
<b>CN</b> (mg/l)	1.0	0.0150	NMR	NMR	0.0090	NMR	NMR	0.0025	NMR	NMR	0.0025	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0002	0.0008	0.0002	0.0013	0.0002	0.0002	0.0014	0.0002	0.0002	0.0002	0.0002	0.0002
<b>Ni</b> (mg/l)	0.5	0.0219	0.0040	0.0042	0.0034	0.0029	0.0029	0.0022	0.0026	0.0022	0.0022	0.0014	0.0019
<b>Zn</b> (mg/l)	0.5	0.1083	0.1240	0.1088	0.0760	0.0565	0.0483	0.0512	0.0608	0.0496	0.0623	0.0745	0.0990
<b>TSS</b> (mg/l)	15	2.75	2.75	3.25	2.50	2.50	2.00	1.00	3.38	1.40	1.00	1.75	1.10
<b>Ra-226</b> (Bq/l)	0.37	0.0180	NMR	NMR	0.0260	NMR	NMR	0.0070	NMR	NMR	0.0130	NMR	NMR
<b>pH low</b>	≥6.0	7.9	7.7	7.9	8.0	8.1	8.0	7.9	8.2	8.2	8.2	8.3	7.9
<b>pH high</b>	≤9.5	8.1	8.0	8.0	8.2	8.2	8.2	8.5	8.5	8.4	8.4	8.4	8.2
<b>Flow</b> (m <sup>3</sup> /month)	–	67,464	62,088	71,179	77,155	82,080	75,816	97,415	74,916	95,222	62,645	83,000	83,660
<b>Rainbow Trout</b>	Pass	1	NMR	NMR									
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR									
<b>Daphnia magna</b>	Pass	1	NMR	NMR									
<b>Monitoring Test</b>	Fail	0	NMR	NMR									
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Géant Dormant (Mine)												
OPERATOR NAME	Maudore Minerals Ltd.–Mines Auribec Inc.												
PRODUCT(S)	Gold												
ADDRESS	Km 118, Road 109 North, Amos, Quebec J9T 3A3												
EFFLUENT DISCHARGE POINT	GD-E03 Polishing Pond 2A												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0003	0.0007	ND	0.0003	0.0003	0.0003	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0094	0.0191	ND	0.0155	0.0517	0.0915	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0060	0.0025	ND	0.0025	0.0025	0.0025	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0002	0.0597	ND	0.0002	0.0018	0.0002	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0143	0.0228	ND	0.0272	0.0472	0.0521	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0190	0.0185	ND	0.0050	0.0130	0.0238	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	7.00	9.00	ND	2.50	3.00	3.40	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	NMR	0.0020	ND	0.0010	NMR	0.0040	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	7.1	7.0	ND	7.4	7.7	7.6	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	7.1	7.4	ND	8.0	7.8	7.9	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	–	ND	ND	3,661	46,109	ND	96,926	157,347	152,149	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	ND	1	1	1	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	ND	0	0	0	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	1	1	ND	2	1	1	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	0	0	ND	0	0	0	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.2838	0.2630	0.3653	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	0.0162	0.0108	0.0108	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	0.0039	0.0043	0.0025	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	0.0002	0.0001	0.0001	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0373	0.0306	0.0325	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0098	0.0062	0.0059	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	2.35	1.07	1.63	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	0.0050	0.0100	0.0050	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	7.1	8.2	8.2	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	8.1	8.4	8.4	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	85,620	54,980	87,404	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	0	0	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	0	0	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Gibraltar Mine												
OPERATOR NAME	Taseko Mines Limited												
PRODUCT(S)	Copper-Molybdenum												
ADDRESS	10251 Gibraltar Mine Road, P.O. Box 130, Mcleese Lake, British Columbia V0L 1P0												
EFFLUENT DISCHARGE POINT	Gi:ESAD—East Saddle Dam												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	0.0010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	NMR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	0.0000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	0.0019	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	0.0025	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	7.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	434	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>	No radium 226 results were provided for the first quarter. No toxicity test results were provided for the first quarter.												

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Fail:** >50% Mortality    **Pass:** ≤50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Gibraltar Mine												
OPERATOR NAME	Taseko Mines Limited												
PRODUCT(S)	Copper/Molybdenum												
ADDRESS	10251 Gibraltar Mine Road, P.O. Box 130, Mcleese Lake, British Columbia V0L 1P0												
EFFLUENT DISCHARGE POINT	Gi.FRD—Fraser River Diffuser												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0003	0.0011	0.0004	0.0004	0.0003	0.0004	0.0004	0.0003	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0041	0.0018	0.0017	0.0021	0.0012	0.0024	0.0021	0.0025	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR	ND						
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0001	0.0001	0.0001	0.0000	0.0001	0.0001	0.0001	0.0001	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	3.65	1.28	1.48	2.75	2.58	1.10	1.18	1.95	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0040	NMR	NMR	0.0019	NMR	0.0026	—	—	ND
<b>pH low</b>	≥6.0	ND	ND	7.4	6.5	6.5	6.6	6.7	6.5	6.6	6.8	6.8	ND
<b>pH high</b>	≤9.5	ND	ND	7.6	7.1	7.1	6.8	6.9	7.0	7.1	7.0	7.0	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	89,609	473,454	447,651	429,067	365,590	506,574	359,256	129,292	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	2	1	1	2	—	—	1	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	0	0	—	0	0	ND
<b>Daphnia magna</b>	Pass	ND	ND	1	1	2	1	1	2	—	1	1	ND
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	0	0	—	0	0	ND
<b>Comments:</b>	No radium 226 results were provided for the months of October and November. No toxicity test results were provided for October.												

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Fail:** >50% Mortality   **Pass:** ≤50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Golden Giant Mine																							
OPERATOR NAME	Newmont Canada Corporation																							
PRODUCT(S)	Gold																							
ADDRESS	Yellow Brick Road, Hwy. 17, P.O. Box 40, Marathon, Ontario P0T 2E0																							
EFFLUENT DISCHARGE POINT	ITF Emergency Spillway																							
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Golden Giant Mine												
OPERATOR NAME	Newmont Canada Corporation												
PRODUCT(S)	Gold												
ADDRESS	Yellow Brick Road, Hwy. 17, P.O. Box 40, Marathon, Ontario P0T 2E0												
EFFLUENT DISCHARGE POINT	Waste Water Treatment Plant Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0014	0.0017	0.0018	0.0019	0.0010	0.0018	0.0028	0.0031	0.0030	0.0024	0.0037	0.0021
<b>Cu</b> (mg/l)	0.3	0.0006	0.0006	0.0012	0.0005	0.0006	0.0005	0.0008	0.0003	0.0006	0.0008	0.0007	
<b>CN</b> (mg/l)	1.0	0.0105	0.0064	0.0145	0.0145	0.0040	0.0062	0.0073	0.0180	0.0086	0.0078	0.0080	0.0056
<b>Pb</b> (mg/l)	0.2	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
<b>Ni</b> (mg/l)	0.5	0.0063	0.0052	0.0053	0.0056	0.0054	0.0052	0.0053	0.0053	0.0056	0.0057	0.0056	0.0056
<b>Zn</b> (mg/l)	0.5	0.0006	0.0003	0.0003	0.0008	0.0031	0.0035	0.0048	0.0030	0.0040	0.0021	0.0038	0.0019
<b>TSS</b> (mg/l)	15	1.75	1.63	2.00	0.50	1.58	1.40	2.25	1.13	2.30	1.75	5.13	2.90
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0050	0.0066	0.0050	0.0050	0.0065	0.0083	0.0100	0.0050	0.0065	0.0050	
<b>pH low</b>	≥6.0	7.0	7.2	7.3	7.1	7.2	6.1	6.6	6.9	7.3	7.2	7.2	7.2
<b>pH high</b>	≤9.5	7.5	7.3	7.5	7.5	7.3	8.0	7.4	7.3	7.6	7.7	7.4	7.6
<b>Flow</b> (m <sup>3</sup> /month)	—	36,513	44,577	27,734	40,138	44,343	43,291	49,991	46,312	46,350	51,493	47,671	49,335
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Goldex (Mine)																					
<b>OPERATOR NAME</b>	Mines Agnico-Eagle Limitee																					
<b>PRODUCT(S)</b>	Gold																					
<b>ADDRESS</b>	1953 3rd Avenue West, P.O. Box 87, Val-d'Or, Quebec J9P 4N9																					
<b>EFFLUENT DISCHARGE POINT</b>	Final Effluent																					
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>									
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND									
<b>Comments:</b>																						
<b>NOTES:</b>																						
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																						
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																						
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																						

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Goldex (Mine) Mines Agnico-Eagle Limitée												
OPERATOR NAME													
PRODUCT(S)	Gold												
ADDRESS	1953 3rd Avenue West, P.O. Box 87, Val-d'Or, Quebec J9P 4N9												
EFFLUENT DISCHARGE POINT	Final Effluent—Goldex Tailings Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0019	0.0003	ND	ND	ND	0.0004	0.0012	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0016	0.0007	ND	ND	ND	0.0007	0.0004	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR	ND	ND	ND	NMR	NMR	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0002	0.0002	ND	ND	ND	0.0007	0.0002	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0027	0.0017	ND	ND	ND	0.0027	0.0033	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0070	0.0030	ND	ND	ND	0.0040	0.0040	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	4.25	5.38	ND	ND	ND	3.00	1.50	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0010	0.0040	ND	ND	ND	0.0020	0.0010	ND	
<b>pH low</b>	≥6.0	ND	ND	6.9	6.8	ND	ND	ND	ND	7.3	7.4	ND	
<b>pH high</b>	≤9.5	ND	ND	6.9	7.5	ND	ND	ND	ND	7.5	7.5	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	149,925	413,897	ND	ND	ND	ND	182,577	127,669	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	ND	ND	ND	ND	1	1	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	ND	ND	ND	ND	0	0	ND	
<b>Daphnia magna</b>	Pass	ND	ND	1	1	ND	ND	ND	ND	1	1	ND	
<b>Monitoring Test</b>	Fail	ND	ND	0	0	ND	ND	ND	ND	0	0	ND	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Goldex (Mine)												
<b>OPERATOR NAME</b>	Mines Agnico-Eagle Limitee												
<b>PRODUCT(S)</b>	Gold												
<b>ADDRESS</b>	1953 3rd Avenue West, P.O. Box 87, Val-d'Or, Quebec J9P 4N9												
<b>EFFLUENT DISCHARGE POINT</b>	Final Effluent—Shaft No. 2												
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported												
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Haley Plant												
OPERATOR NAME	Timminco Limited												
PRODUCT(S)	Magnesium-Calcium-Strontrium												
ADDRESS	962 Magnesium Road, Haley Station, Ontario K0J 1Y0												
EFFLUENT DISCHARGE POINT	FDP 1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	—
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:** No effluent data were provided in 2014.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Hislop Mine																							
OPERATOR NAME	St Andrew Goldfields Limited																							
PRODUCT(S)	Gold																							
ADDRESS	80 km East of Timmins and 1 km West off Hwy 572, Timmins, Ontario POK 1N0																							
EFFLUENT DISCHARGE POINT	Sedimentation Pond																							
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Holloway Mine												
OPERATOR NAME	Holloway Mining Company												
PRODUCT(S)	Gold												
ADDRESS	Highway 101E of Matheson, West of Québec border, Matheson, Ontario P2N 3H7												
EFFLUENT DISCHARGE POINT	Final Discharge Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.0015	0.0015	0.0013	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.0350	0.1020	0.0433	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	0.0020	0.0010	0.0020	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	0.0005	0.0005	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.0300	0.0360	0.0467	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	0.0054	0.0073	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	2.00	0.35	0.35	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	0.0025	0.0025	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	7.8	6.9	7.3	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	7.9	8.0	7.7	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	1,006,801	1,577,865	328,521	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Horne (Smelter)																									
OPERATOR NAME	Glencore Canada Corporation																									
PRODUCT(S)	Copper																									
ADDRESS	P.O. Box 4000, Rouyn-Noranda, Quebec J9X 5B6																									
EFFLUENT DISCHARGE POINT	Final Effluent—Pelleter Sector																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	0.0013	0.0007	0.0015	0.0021	0.0019	0.0013	0.0014	0.0012	0.0011	0.0025	0.0018	0.0015													
<b>Cu</b> (mg/l)	0.3	0.0212	0.0146	0.0203	0.0453	0.0255	0.0077	0.0116	0.0052	0.0054	0.0229	0.0188	0.0164													
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR													
<b>Pb</b> (mg/l)	0.2	0.0031	0.0017	0.0059	0.0065	0.0031	0.0037	0.0007	0.0013	0.0032	0.0035	0.0018														
<b>Ni</b> (mg/l)	0.5	0.0144	0.0151	0.0202	0.0161	0.0075	0.0069	0.0087	0.0045	0.0046	0.0080	0.0060	0.0056													
<b>Zn</b> (mg/l)	0.5	0.4988	0.5300	0.6362	0.5798	0.1755	0.0885	0.1152	0.0520	0.0944	0.2400	0.2195	0.1247													
<b>TSS</b> (mg/l)	15	7.50	5.00	9.40	5.25	7.00	3.00	3.40	2.00	2.40	6.75	3.75	7.00													
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR													
<b>pH low</b>	≥6.0	7.0	7.0	7.0	7.3	7.5	7.3	7.5	7.3	7.1	7.0	6.9														
<b>pH high</b>	≤9.5	7.2	7.2	9.4	8.1	7.5	8.1	7.8	8.0	7.5	7.6	7.4	7.1													
<b>Flow</b> (m <sup>3</sup> /month)	—	54,126	48,888	54,126	2,978,100	2,102,544	591,840	532,912	123,697	298,080	1,492,123	71,070	70,494													
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR													
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR													
<b>Daphnia magna</b>	Pass	1	NMR	NMR	NMR	1	NMR	NMR	1	NMR	—	—	NMR													
<b>Monitoring Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	NMR	0	NMR	—	0	NMR													
<b>Comments:</b>	No test results for <i>Daphnia magna</i> monitoring were provided for the month of October. <i>Daphnia magna</i> monitoring tests must be done on each effluent aliquot collected for acute lethality testing.																									
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																										
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Huckleberry Mine												
OPERATOR NAME	Imperial Metals Corporation—Huckleberry Mines Ltd.												
PRODUCT(S)	Copper/Molybdenum-Gold-Silver												
ADDRESS	P.O. Box 30000, Houston, British Columbia V0J 1Z0												
EFFLUENT DISCHARGE POINT	Hu.EZDD—East Zone Diversion Ditch												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Huckleberry Mine												
OPERATOR NAME	Imperial Metals Corporation-Huckleberry Mines Ltd.												
PRODUCT(S)	Copper/Molybdenum-Gold-Silver												
ADDRESS	P.O. Box 30000, Houston, British Columbia V0J 1Z0												
EFFLUENT DISCHARGE POINT	Hu.SC3—Sediment Control Structure 3												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0006	0.0007	0.0006	0.0004	0.0006	0.0008	0.0007	0.0046	0.0016	0.0009	0.0006	0.0006
<b>Cu</b> (mg/l)	0.3	0.0160	0.0174	0.0192	0.0320	0.0278	0.0238	0.0174	0.0140	0.0164	0.0150	0.0313	0.0178
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0000	0.0000	0.0006	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003	0.0003
<b>Ni</b> (mg/l)	0.5	0.0013	0.0009	0.0010	0.0015	0.0039	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0048
<b>Zn</b> (mg/l)	0.5	0.0178	0.0219	0.0181	0.0712	0.0304	0.0500	0.0500	0.0500	0.0500	0.0550	0.0500	0.0500
<b>TSS</b> (mg/l)	15	0.50	1.67	0.93	2.75	1.88	1.88	2.50	1.00	0.90	1.00	1.00	0.88
<b>Ra-226</b> (Bq/l)	0.37	0.0100	—	0.0025	—	—	0.0045	—	—	—	0.0090	—	—
<b>pH low</b>	≥6.0	7.7	7.7	7.8	7.7	7.3	7.4	7.4	7.2	7.1	7.3	6.9	6.6
<b>pH high</b>	≤9.5	7.9	7.9	7.9	7.9	7.7	7.6	7.6	7.5	7.5	7.6	7.7	7.1
<b>Flow</b> (m <sup>3</sup> /month)	—	2,949	2,264	5,172	15,638	20,329	6,159	4,138	6,623	9,077	28,499	16,549	11,120
<b>Rainbow Trout</b>	Pass	—	—	—	1	1	NMR	—	—	—	NMR	1	NMR
<b>Acute Lethality Test</b>	Foil	—	—	—	0	0	NMR	—	—	—	NMR	0	NMR
<b>Daphnia magna</b>	Pass	—	—	—	—	1	NMR	—	—	—	NMR	1	NMR
<b>Monitoring Test</b>	Foil	—	—	—	—	0	NMR	—	—	—	NMR	0	NMR

**Comments:** No radium 226 results were provided for the months of February, April, May, July, August, September, November and December. No test results for *Daphnia magna* monitoring were provided for April. *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing. No toxicity testing results were provided for the first and third quarters.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0008	0.0008	0.0008	0.0010	0.0009	0.0011	0.0020	0.0016	0.0005	0.0007	0.0011	
<b>Cu</b> (mg/l)	0.3	0.0325	0.0123	0.0290	0.0385	0.0136	0.0137	0.0250	0.0328	0.0358	0.0470	0.0360	
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR							
<b>Pb</b> (mg/l)	0.2	0.0000	0.0001	0.0000	0.0002	0.0002	0.0003	0.0003	0.0003	0.0004	0.0004	0.0003	
<b>Ni</b> (mg/l)	0.5	0.0059	0.0037	0.0072	0.0060	0.0029	0.0028	0.0025	0.0025	0.0025	0.0046	0.0043	
<b>Zn</b> (mg/l)	0.5	0.0087	0.0051	0.0090	0.0086	0.0342	0.0381	0.0500	0.0500	0.0500	0.0500	0.0500	
<b>TSS</b> (mg/l)	15	0.68	1.38	0.63	2.25	3.00	3.00	2.88	2.25	12.40	2.25	1.17	
<b>Ra-226</b> (Bq/l)	0.37	0.0080	NMR	0.0025	NMR	NMR	0.0025	—	—	—	0.0025	NMR	
<b>pH low</b>	≥6.0	7.7	7.7	7.8	7.5	7.5	7.8	7.6	7.5	7.5	7.0	6.5	
<b>pH high</b>	≤9.5	7.9	7.9	7.9	8.0	7.7	7.8	7.9	7.8	7.8	7.4	7.3	
<b>Flow</b> (m <sup>3</sup> /month)	—	13,080	30,833	44,018	78,626	67,181	80,218	177,729	167,460	177,676	100,586	47,769	
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	3	NMR	NMR	—	—	—	NMR	1	
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	0	NMR	NMR	—	—	NMR	0	NMR	
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	1	
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	0	

**Comments:** No radium 226 or toxicity test results were provided for the third quarter. No test results for *Daphnia magna* monitoring were provided for the first, second or third quarter. No *Daphnia magna* monitoring results were provided for November. *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** >50% Mortality    **Fail:** ≤50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Huckleberry Mine																									
OPERATOR NAME	Imperial Metals Corporation-Huckleberry Mines Ltd.																									
PRODUCT(S)	Copper/Molybdenum-Gold-Silver																									
ADDRESS	P.O. Box 30000, Houston, British Columbia V0J 1Z0																									
EFFLUENT DISCHARGE POINT	HU.SC6—Sediment Control Structure 6																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	ND	ND	0.0007	0.0005	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0022	0.0030	ND	ND	ND	ND	ND	ND	ND	ND													
<b>CN</b> (mg/l)	1.0	ND	ND	NMR	NMR	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0001	0.0002	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0007	0.0007	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0048	0.0047	ND	ND	ND	ND	ND	ND	ND	ND													
<b>TSS</b> (mg/l)	15	ND	ND	4.00	5.73	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND													
<b>pH low</b>	≥6.0	ND	ND	7.6	7.0	ND	ND	ND	ND	ND	ND	ND	ND													
<b>pH high</b>	≤9.5	ND	ND	7.6	7.8	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	50	3	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Rainbow Trout</b>	Pass	ND	ND	1	2	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Daphnia magna</b>	Pass	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Monitoring Test</b>	Fail	ND	ND	—	—	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Comments:</b>	No radium 226 test results were provided for the months of March and April. No test results for <i>Daphnia magna</i> monitoring were provided for March and April. <i>Daphnia magna</i> monitoring tests must be done on each effluent aliquot collected for acute lethality testing.																									
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																										
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Huckleberry Mine												
OPERATOR NAME	Imperial Metals Corporation—Huckleberry Mines Ltd.												
PRODUCT(S)	Copper/Molybdenum-Gold-Silver												
ADDRESS	P.O. Box 30000, Houston, British Columbia V0J 1Z0												
EFFLUENT DISCHARGE POINT	HU.SC7—Sediment Control Structure 7												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Huckleberry Mine												
OPERATOR NAME	Imperial Metals Corporation—Huckleberry Mines Ltd.												
PRODUCT(S)	Copper/Molybdenum-Gold-Silver												
ADDRESS	P.O. Box 30000, Houston, British Columbia V0J 1Z0												
EFFLUENT DISCHARGE POINT	HU.SC8—Sediment Control Structure 8												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Huckleberry Mine																									
OPERATOR NAME	Imperial Metals Corporation—Huckleberry Mines Ltd.																									
PRODUCT(S)	Copper/Molybdenum-Gold-Silver																									
ADDRESS	P.O. Box 30000, Houston, British Columbia V0J 1Z0																									
EFFLUENT DISCHARGE POINT	Hu.TRO—Tahsia Reach Outfall																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0007	0.0013	0.0007	0.0012	0.0028	0.0072	0.0011	0.0029	0.0010													
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0136	0.0096	0.0105	0.0025	0.0050	0.0094	0.0109	0.0648	0.0128													
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR																				
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0000	0.0002	0.0002	0.0007	0.0003	0.0020	0.0005	0.0013	0.0003													
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0024	0.0027	0.0081	0.0025	0.0025	0.0025	0.0025	0.0056	0.0074													
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0026	0.0269	0.0381	0.0500	0.0500	0.0500	0.0500	0.0550	0.0500													
<b>TSS</b> (mg/l)	15	ND	ND	ND	3.08	8.30	5.75	6.00	6.75	21.20	140.00	1,394.50	8.80													
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	NMR	NMR	0.0025	—	—	—	0.0080	NMR	NMR													
<b>pH low</b>	≥6.0	ND	ND	7.6	7.6	6.9	7.2	7.0	7.5	6.7	6.7	6.4														
<b>pH high</b>	≤9.5	ND	ND	7.8	7.8	8.0	8.7	7.8	7.9	7.8	7.7	7.2														
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	147,600	423,670	408,370	442,110	405,460	352,330	401,550	341,030	243,402														
<b>Rainbow Trout</b>	Pass	ND	ND	—	—	—	—	—	—	—	NMR	1	NMR													
<b>Acute Lethality Test</b>	Foil	ND	ND	—	—	—	—	—	—	—	NMR	0	NMR													
<b>Daphnia magna</b>	Pass	ND	ND	—	—	—	—	—	—	—	NMR	1	NMR													
<b>Monitoring Test</b>	Foil	ND	ND	—	—	—	—	—	—	—	NMR	0	NMR													
<b>Comments:</b>	No radium 226 test results were provided for the third quarter. No toxicity test results were provided for the second and third quarters.																									
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Fail:</b> >50% Mortality <b>Pass:</b> ≤50% Mortality <b>—:</b> No data reported																										
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Iron Ore Company of Canada—Carol Project												
OPERATOR NAME	Iron Ore Company of Canada												
PRODUCT(S)	Iron												
ADDRESS	P.O. Box 1000, Labrador City, Newfoundland and Labrador A2V 2L8												
EFFLUENT DISCHARGE POINT	Hakim Culvert												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0001	0.0001	0.0001	0.0001	
<b>Cu</b> (mg/l)	0.3	0.0010	0.0010	0.0010	0.0010	0.0013	0.0010	0.0001	0.0004	0.0001	0.0001	0.0001	
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	
<b>Ni</b> (mg/l)	0.5	0.0010	0.0010	0.0010	0.0010	0.0013	0.0010	0.0240	0.0300	0.0208	0.0135	0.0205	
<b>Zn</b> (mg/l)	0.5	0.0565	0.0180	0.0082	0.0050	0.0075	0.0055	0.0014	0.0018	0.0015	0.0008	0.0006	
<b>TSS</b> (mg/l)	15	1.15	5.15	1.00	0.73	27.50	10.98	0.20	0.10	0.10	0.23	0.13	
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0025	0.0025	0.0025	0.0034	0.0025	
<b>pH low</b>	≥6.0	7.8	7.8	7.7	7.8	7.8	7.8	6.3	6.5	6.2	6.1	6.2	
<b>pH high</b>	≤9.5	8.0	8.0	7.9	7.9	7.9	8.0	6.6	6.7	6.6	6.6	6.4	
<b>Flow</b> (m <sup>3</sup> /month)	—	282,268	624,397	435,566	439,813	1,240,801	990,282	210,617	398,103	402,209	337,579	378,377	
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	NMR	NMR	1	NMR	NMR	
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	NMR	NMR	0	NMR	NMR	
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	NMR	NMR	1	NMR	NMR	
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	NMR	NMR	0	NMR	NMR	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0010	0.0014	0.0011	0.0020	0.0017	0.0010	0.0015	0.0010	0.0010	0.0010	0.0010	0.0010
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
<b>Ni</b> (mg/l)	0.5	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
<b>Zn</b> (mg/l)	0.5	0.0060	0.0061	0.0089	0.0072	0.0057	0.0110	0.0046	0.0048	0.0031	0.0053	0.0025	0.0033
<b>TSS</b> (mg/l)	15	0.68	0.68	0.50	0.50	0.78	2.84	1.15	0.95	1.14	1.20	1.28	1.52
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
<b>pH low</b>	≥6.0	7.7	7.8	7.6	7.7	7.7	7.6	7.7	7.9	7.8	8.0	7.7	7.7
<b>pH high</b>	≤9.5	7.8	7.8	7.8	7.8	7.9	7.8	8.0	8.1	8.0	8.0	8.0	7.9
<b>Flow</b> (m <sup>3</sup> /month)	—	58,088,637	46,514,563	44,096,642	11,494,759	63,829,381	208,993,626	110,789,076	114,134,940	85,933,166	124,768,175	88,857,259	51,435,721
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required

**Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Iron Ore Company of Canada—Carol Project																						
OPERATOR NAME	Iron Ore Company of Canada																						
PRODUCT(S)	Iron																						
ADDRESS	P.O. Box 1000, Labrador City, Newfoundland and Labrador A2V 2L8																						
EFFLUENT DISCHARGE POINT	MDS5																						
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0005	0.0005	0.0005	0.0005	0.0008	0.0005	0.0005	0.0005	0.0005										
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0010	0.0010	0.0010	0.0010	0.0044	0.0010	0.0010	0.0010	0.0010										
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR																		
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0003	0.0003	0.0003	0.0003	0.0014	0.0003	0.0003	0.0003	0.0016										
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0010	0.0010	0.0010	0.0010	0.0023	0.0010	0.0010	0.0010	0.0010										
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0135	0.0051	0.0040	0.0035	0.0177	0.0078	0.0058	0.0039											
<b>TSS</b> (mg/l)	15	ND	ND	ND	18.00	3.20	3.85	2.90	32.32	4.10	3.45	2.80											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050											
<b>pH low</b>	≥6.0	ND	ND	ND	7.3	7.2	7.8	7.9	7.5	7.7	7.6	7.6											
<b>pH high</b>	≤9.5	ND	ND	ND	7.4	7.8	8.1	8.1	8.0	7.9	8.1	7.9											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	57,613	25,700	5,544	1,526	4,776	7,008	3,678	391											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	0											
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1											
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	0											
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Iron Ore Company of Canada—Carol Project																						
OPERATOR NAME	Iron Ore Company of Canada																						
PRODUCT(S)	Iron																						
ADDRESS	P.O. Box 1000, Labrador City, Newfoundland and Labrador A2V 2L8																						
EFFLUENT DISCHARGE POINT	MD30																						
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005										
<b>Cu</b> (mg/l)	0.3	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010										
<b>CN</b> (mg/l)	1.0	NMR	NMR																				
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003										
<b>Ni</b> (mg/l)	0.5	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010										
<b>Zn</b> (mg/l)	0.5	0.0068	0.0098	0.0070	0.0051	0.0062	0.0036	0.0042	0.0045	0.0025	0.0139	0.0025	0.0035										
<b>TSS</b> (mg/l)	15	1.40	0.88	0.50	0.50	0.68	0.50	0.50	0.50	0.50	0.95	0.75	1.04										
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050										
<b>pH low</b>	≥6.0	7.3	7.4	7.3	7.4	7.5	7.4	7.4	7.7	7.7	7.8	7.6	7.6										
<b>pH high</b>	≤9.5	7.6	7.8	7.7	7.6	7.6	7.6	7.7	7.8	7.9	7.9	7.9	7.9										
<b>Flow</b> (m <sup>3</sup> /month)	—	6,198	9,629	6,198	12,846	40,228	28,902	26,494	33,964	32,883	76,120	636,933	252,987										
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1										
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0										
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1										
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0										
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Island Gold Project												
OPERATOR NAME	Richmont Mines Incorporated												
PRODUCT(S)	Gold												
ADDRESS	15 Goudreau Road, P.O. Box 456, Dubreuilville, Ontario P0S 1B0												
EFFLUENT DISCHARGE POINT	IG-2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	0.0092	0.0307	0.0363	0.0628	0.0432	ND	0.0384	0.0115	0.0093	
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0022	0.0674	0.0301	0.0106	0.0083	ND	0.0074	0.0054	0.0062	
<b>CN</b> (mg/l)	1.0	ND	ND	0.0183	0.4623	0.1013	0.0095	0.0120	ND	0.0057	0.0197	0.0170	
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0003	0.0005	0.0003	0.0001	0.0003	ND	0.0005	0.0004	0.0008	
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0027	0.0238	0.0141	0.0050	0.0043	ND	0.0042	0.0048	0.0052	
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0037	0.0052	0.0028	0.0018	0.0003	ND	0.0027	0.0027	0.0065	
<b>TSS</b> (mg/l)	15	ND	ND	9.00	12.00	9.00	1.25	3.00	ND	14.67	8.67	27.00	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0050	NMR	NMR	0.0050	ND	NMR	0.0050	NMR		
<b>pH low</b>	≥6.0	ND	ND	7.3	7.3	6.8	7.9	8.2	ND	8.0	7.8	7.9	
<b>pH high</b>	≤9.5	ND	ND	8.0	8.0	7.9	8.0	8.2	ND	8.2	7.8	7.9	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	184,593	340,883	143,951	176,754	109,484	ND	292,762	275,824	22,419	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	1	1	ND	1	1	1	
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	0	ND	0	0	0	
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	1	1	ND	1	1	1	
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	0	ND	0	0	0	
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	—	—
<b>Cu (mg/l)</b>	0.3	0.0007	0.0005	0.0005	0.0005	0.0005	0.0005	0.0021	0.0005	0.0005	0.0005	—	—
<b>CN (mg/l)</b>	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb (mg/l)</b>	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	—	—
<b>Ni (mg/l)</b>	0.5	0.0021	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	—	—
<b>Zn (mg/l)</b>	0.5	0.0035	0.0043	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	—	—
<b>TSS (mg/l)</b>	15	1.00	2.25	1.33	1.25	2.00	2.25	1.60	2.00	4.50	1.20	1.00	1.00
<b>Ra-226 (Bq/l)</b>	0.37	0.0010	0.0165	0.0015	0.0018	0.0010	0.0010	0.0010	0.0010	0.0017	—	—	—
<b>pH low</b>	≥6.0	7.8	7.7	7.6	7.1	6.7	7.3	7.7	7.6	7.5	7.6	7.4	—
<b>pH high</b>	≤9.5	7.9	8.0	7.8	7.7	7.6	7.8	7.9	7.9	8.0	7.9	8.0	—
<b>Flow (m<sup>3</sup>/month)</b>	—	225,148	182,362	1,864,123	177,435	389,880	417,266	268,368	236,039	201,547	258,316	203,524	223,139
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	—	—	—
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	—	—	—
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	—	—	—
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	—	—	—

**Comments:** Only TSS, pH test results and flow were provided for the months of October, November and December.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Jolu Mill												
OPERATOR NAME	Golden Band Resources Inc.												
PRODUCT(S)	GoldCopper												
ADDRESS	2911-D, Cleveland Avenue, Saskatoon, Saskatchewan S7K 8A9												
EFFLUENT DISCHARGE POINT	Mallard Tailings Management Facility—Cell C Outlet Berm												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0004	0.0006	0.0008	0.0010	0.0010	0.0005	ND	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0091	0.0290	0.0418	0.0395	0.0350	0.0147	ND	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0027	0.0073	0.0300	0.0250	0.0178	0.0070	ND	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0002	0.0007	0.0017	0.0019	0.0032	0.0004	ND	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0040	0.0064	0.0050	0.0098	0.0073	0.0060	ND	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0042	0.0042	0.0025	0.0048	0.0038	0.0035	ND	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	2.67	3.50	8.50	6.50	12.80	8.00	ND	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	—	—	0.0025	0.0060	0.0025	0.0100	ND	ND	
<b>pH low</b>	≥6.0	ND	ND	6.1	7.0	7.7	7.8	7.7	7.7	7.8	ND	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	7.2	7.8	8.0	8.1	8.3	8.0	ND	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	53,305	88,020	80,027	16,472	78,460	10,148	ND	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	ND	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	ND	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	1	1	ND	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	ND	ND	
<b>Comments:</b>	No radium 226 results were provided for the second quarter.												

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0003	0.0003	0.0003	—	—	—	—	—	—	—	—	—
<b>Cu</b> (mg/l)	0.3	0.0009	0.0010	0.0016	—	—	—	—	—	—	—	—	—
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	—	—	—	—	—	—	—	—	—
<b>Pb</b> (mg/l)	0.2	0.0000	0.0000	0.0000	—	—	—	—	—	—	—	—	—
<b>Ni</b> (mg/l)	0.5	0.0002	0.0003	0.0002	—	—	—	—	—	—	—	—	—
<b>Zn</b> (mg/l)	0.5	0.0020	0.0009	0.0009	—	—	—	—	—	—	—	—	—
<b>TSS</b> (mg/l)	15	0.85	1.48	1.88	—	—	—	—	—	—	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0160	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	8.1	8.3	8.2	—	—	—	—	—	—	—	—	—
<b>pH high</b>	≤9.5	8.3	8.4	8.4	—	—	—	—	—	—	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	14,129	15,281	14,055	—	—	—	—	—	—	—	—	—
<b>Rainbow Trout</b>	Pass	—	—	1	—	—	—	—	—	—	—	—	—
<b>Acute Lethality Test</b>	Fail	—	—	0	—	—	—	—	—	—	—	—	—
<b>Daphnia magna</b>	Pass	—	—	1	—	—	—	—	—	—	—	—	—
<b>Monitoring Test</b>	Fail	—	—	0	—	—	—	—	—	—	—	—	—

**Comments:** As of March 10, 2014, the mine received "Recognized Closed Mine Status". No annual report was submitted for 2014. This data has been compiled from the submitted quarterly report. No toxicity test results were provided for the months of January and February.

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Kemess South Mine												
OPERATOR NAME	AuRico Gold Inc.												
PRODUCT(S)	GoldCopper												
ADDRESS	P.O. Box 3519, Smithers, British Columbia V0J 2N0												
EFFLUENT DISCHARGE POINT	KS.WQBX1—Sedimentation Pond Decant												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>TSS</b> (mg/l)	15	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>pH low</b>	≥6.0	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>pH high</b>	≤9.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Daphnia magna</b>	Pass	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Monitoring Test</b>	Fail	ND	ND	ND	—	—	—	—	—	—	—	—	

**Comments:** As of March 10, 2014, the mine received "Recognized Closed Mine Status". No annual report was submitted for 2014. This data has been compiled from the submitted quarterly report.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Kemess South Mine												
OPERATOR NAME	AuRico Gold Inc.												
PRODUCT(S)	GoldCopper												
ADDRESS	P.O. Box 3519, Smithers, British Columbia V0J 2N0												
EFFLUENT DISCHARGE POINT	KS.WQ-TSP—Tailings Sedimentation Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>TSS</b> (mg/l)	15	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>pH low</b>	≥6.0	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>pH high</b>	≤9.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Daphnia magna</b>	Pass	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Monitoring Test</b>	Fail	ND	ND	ND	—	—	—	—	—	—	—	—	

**Comments:** As of March 10, 2014, the mine received "Recognized Closed Mine Status". No annual report was submitted for 2014. This data has been compiled from the submitted quarterly report.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Key Lake Operation												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 1.2—Dewatering Discharge to Harlesey Lake												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Cu</b> (mg/l)	0.3	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0001	0.0001
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0200	0.0235	0.0386	0.0280	0.0255	0.0261	0.0240	0.0300	0.0208	0.0135	0.0205	0.0192
<b>Zn</b> (mg/l)	0.5	0.0012	0.0014	0.0023	0.0017	0.0012	0.0017	0.0014	0.0018	0.0015	0.0008	0.0006	0.0003
<b>TSS</b> (mg/l)	15	0.10	0.15	0.12	0.10	0.13	0.13	0.20	0.10	0.10	0.23	0.13	0.10
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0036	0.0032	0.0045	0.0053	0.0060	0.0025	0.0025	0.0025	0.0034	0.0025	0.0025
<b>pH low</b>	≥6.0	6.3	6.5	6.5	6.4	6.2	6.2	6.3	6.5	6.2	6.2	6.1	6.2
<b>pH high</b>	≤9.5	6.5	6.7	6.7	6.6	6.9	6.6	6.6	6.7	6.6	6.6	6.6	6.4
<b>Flow</b> (m <sup>3</sup> /month)	–	101,738	195,471	303,559	383,184	204,733	254,371	210,617	398,103	402,209	337,579	378,377	311,897
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	NMR	2	NMR	NMR	1	NMR	NMR	1
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0									
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	NMR	2	NMR	NMR	1	NMR	NMR	1
<b>Monitoring Test</b>	Fail	NMR	NMR	0									
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Key Lake Operation												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 1.4—Mill Effluent to Wolf Lake												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0068	0.0068	0.0076	0.0081	0.0068	0.0059	0.0066	0.0090	0.0113	0.0093	0.0104	0.0087
<b>Cu</b> (mg/l)	0.3	0.0077	0.0101	0.0051	0.0045	0.0030	0.0062	0.0095	0.0294	0.0083	0.0195	0.0455	0.0111
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0002	0.0003	0.0056	0.0002	0.0002	0.0001	0.0007	0.0002	0.0003	0.0003	0.0004	0.0007
<b>Ni</b> (mg/l)	0.5	0.0303	0.0320	0.0198	0.0343	0.0490	0.0548	0.0398	0.0340	0.0772	0.0593	0.0818	0.0504
<b>Zn</b> (mg/l)	0.5	0.0026	0.0034	0.0025	0.0074	0.0061	0.0057	0.0046	0.0037	0.0048	0.0047	0.0050	0.0046
<b>TSS</b> (mg/l)	15	1.13	0.73	0.80	0.77	0.30	3.13	1.74	2.68	3.28	1.68	0.60	1.62
<b>Ra-226</b> (Bq/l)	0.37	0.0175	0.0050	0.0225	0.0100	0.0300	0.0488	0.0060	0.0088	0.0210	0.0113	0.0125	0.0150
<b>pH low</b>	≥6.0	6.2	6.0	6.1	6.3	6.4	6.4	6.1	6.1	6.2	6.3	6.2	6.2
<b>pH high</b>	≤9.5	6.4	6.4	6.4	6.5	6.4	6.6	6.5	6.5	6.6	6.5	6.4	6.4
<b>Flow</b> (m <sup>3</sup> /month)	–	113,237	92,501	127,525	63,375	16,373	87,454	118,028	107,543	69,562	108,347	105,994	122,548
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1
<b>Monitoring Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Kidd Metallurgical Division												
OPERATOR NAME	Glencore Canada Corporation												
PRODUCT(S)	Zinc-Copper-Silver-Lead-Cadmium-Indium-Cobalt-Selenium-Palladium-Platinum												
ADDRESS	10050 Highway 101 East, Hoyle Township, Timmins, Ontario P4N 7K1												
EFFLUENT DISCHARGE POINT	Final Effluent Monitoring Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0003	0.0003	0.0005	0.0003	0.0003	0.0012	0.0020	0.0008	0.0010	0.0010	0.0004	0.0004
<b>Cu</b> (mg/l)	0.3	0.0010	0.0023	0.0010	0.0018	0.0065	0.0023	0.0024	0.0025	0.0038	0.0043	0.0018	0.0056
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0010	0.0013	0.0010	0.0103	0.0010	0.0013	0.0014	0.0028	0.0010	0.0010	0.0010	0.0012
<b>Ni</b> (mg/l)	0.5	0.0010	0.0018	0.0010	0.0010	0.0013	0.0027	0.0028	0.0018	0.0016	0.0015	0.0015	0.0016
<b>Zn</b> (mg/l)	0.5	0.0335	0.0310	0.0248	0.0330	0.0490	0.0153	0.0372	0.0450	0.0153	0.0110	0.0185	0.0172
<b>TSS</b> (mg/l)	15	0.88	1.13	1.00	1.75	0.88	1.33	1.80	2.00	1.00	1.00	0.88	1.10
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0120	NMR	NMR	0.0025	NMR	0.0025	NMR	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	7.5	7.5	7.2	7.3	7.6	7.5	7.3	7.3	7.6	7.5	7.1	
<b>pH high</b>	≤9.5	7.9	7.7	7.6	8.1	8.5	8.1	8.0	8.2	8.2	8.0	7.9	7.6
<b>Flow</b> (m <sup>3</sup> /month)	—	469,490	391,900	442,720	2,839,200	2,605,080	191,270	700,730	1,548,370	1,843,370	3,046,530	1,727,200	840,010
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Kidd Mining Division																									
OPERATOR NAME	Glencore Canada Corporation																									
PRODUCT(S)	Zinc-Copper-Silver-Lead-Cadmium-Indium-Cobalt-Selenium-Palladium-Platinum																									
ADDRESS	Highway 655 North, Timmins, Ontario P4N 7K1																									
EFFLUENT DISCHARGE POINT	Treatment Pond Final Effluent																									
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.													
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0017	0.0011	0.0007	ND	0.0017	0.0016	0.0006	0.0007	0.0005													
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0054	0.0059	0.0080	ND	0.0085	0.0095	0.0177	0.0137	0.0098													
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR	ND	NMR	NMR	NMR	NMR	NMR	NMR													
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0001	0.0001	0.0001	ND	0.0002	0.0004	0.0006	0.0001	0.0001													
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0044	0.0033	0.0015	ND	0.0022	0.0035	0.0006	0.0022	0.0008													
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0395	0.0515	0.0320	ND	0.1300	0.0472	0.0853	0.1245	0.1510													
<b>TSS</b> (mg/l)	15	ND	ND	ND	1.50	1.63	0.50	ND	3.00	2.17	1.33	0.63	0.50													
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	NMR	0.0025	NMR	ND	NMR	0.0025	0.0025	NMR	NMR													
<b>pH low</b>	≥6.0	ND	ND	ND	6.7	7.2	7.9	ND	7.4	7.1	6.9	6.8	7.2													
<b>pH high</b>	≤9.5	ND	ND	ND	7.1	7.7	7.9	ND	7.4	7.6	7.4	7.5	7.8													
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	842,979	1,832,380	87,470	ND	218,520	1,367,850	695,190	927,790	567,260													
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	NMR	ND	NMR	1	1	NMR	NMR													
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	NMR	ND	NMR	0	0	NMR	NMR													
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	NMR	ND	NMR	1	1	NMR	NMR													
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	NMR	ND	NMR	0	0	NMR	NMR													
<b>Comments:</b>																										
<b>NOTES:</b>																										
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required	<b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																									
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																										
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																										

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Kiowa (Mine)												
OPERATOR NAME	Mines d'Or Wessdome Ltée												
PRODUCT(S)	Gold												
ADDRESS	950 Kienawisk Road, Val-d'Or, Quebec J9P 4P3												
EFFLUENT DISCHARGE POINT	Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	0.0007	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0035	0.0045	0.0054	0.0035	0.0028	0.0056	0.0048	0.0087	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	0.0088	0.0060	0.0023	0.0015	0.0015	0.0015	0.0023	0.0103	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	0.0009	0.0003	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0278	0.0235	0.0240	0.0130	0.0160	0.0165	0.0106	0.0300	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0149	0.0134	0.0035	0.0035	0.0093	0.0035	0.0035	0.0092	ND	
<b>TSS</b> (mg/l)	15	ND	ND	4.50	4.00	2.60	1.00	2.50	1.00	3.00	10.00	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	NMR	0.0010	NMR	NMR	0.0030	0.0020	0.0010	NMR	ND	
<b>pH low</b>	≥6.0	ND	ND	7.0	7.3	7.1	7.5	7.4	7.4	7.4	6.9	ND	
<b>pH high</b>	≤9.5	ND	ND	7.3	7.5	7.7	7.1	7.6	7.7	7.8	7.7	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	64,384	91,301	96,892	48,972	128,067	51,956	266,863	61,806	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	1	1	1	1	1	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	0	0	0	0	ND	
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	1	1	1	1	1	ND	
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	0	0	0	0	ND	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Lac Bachelor												
OPERATOR NAME	Ressources Métanor Inc.												
PRODUCT(S)	Gold												
ADDRESS	200 Mine Road, Desmaraîsville, Quebec J0Y 1H0												
EFFLUENT DISCHARGE POINT	Parshall Flume												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0008	0.0005	0.0005	0.0004	0.0004	0.0002	0.0003	0.0003	0.0003	0.0002	0.0002	0.0003
<b>Cu</b> (mg/l)	0.3	0.0032	0.0030	0.0050	0.0055	0.0078	0.0076	0.0299	0.0505	0.0713	0.0671	0.0111	0.0044
<b>CN</b> (mg/l)	1.0	0.1060	0.0575	0.0620	0.0555	0.0300	0.0350	0.0544	0.0523	0.1848	0.1850	0.0488	0.0704
<b>Pb</b> (mg/l)	0.2	0.0011	0.0164	0.0012	0.0013	0.0015	0.0011	0.0019	0.0021	0.0019	0.0023	0.0019	0.0019
<b>Ni</b> (mg/l)	0.5	0.0024	0.0023	0.0028	0.0025	0.0025	0.0023	0.0017	0.0020	0.0034	0.0025	0.0030	0.0030
<b>Zn</b> (mg/l)	0.5	0.0102	0.0113	0.0148	0.0130	0.0173	0.0123	0.0083	0.0079	0.0042	0.0091	0.0160	0.0174
<b>TSS</b> (mg/l)	15	2.14	1.92	1.31	3.08	4.62	2.25	4.00	1.92	2.69	4.43	4.17	4.69
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0280	NMR	NMR	0.0100	NMR	0.0010	NMR	NMR	0.0110	NMR	NMR
<b>pH low</b>	≥6.0	7.5	7.5	7.4	7.6	7.8	8.0	7.8	7.9	7.9	7.7	7.9	7.9
<b>pH high</b>	≤9.5	8.1	7.9	7.9	8.0	8.1	8.2	8.1	8.1	8.2	8.2	8.1	8.1
<b>Flow</b> (m <sup>3</sup> /month)	—	40,527	17,393	16,720	11,775	32,643	31,698	94,619	114,035	119,018	90,522	25,354	25,369
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Lac Bloom (Mine)																						
OPERATOR NAME	Société en commandite de la mine de fer du Lac Bloom																						
PRODUCT(S)	Iron																						
ADDRESS	P.O. Box 880, Route 389, Fermont, Quebec G1G 1J0																						
EFFLUENT DISCHARGE POINT	EFF-REC2 Mine Water and Recirculation Pond Treatment Unit Effluent																						
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	ND	ND	0.0016	0.0005	0.0170	0.0005	ND	0.0005	0.0005	0.0005	0.0005	0.0203										
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0013	0.0006	0.0020	0.0005	0.0009	ND	0.0011	0.0005	0.0026											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR	NMR	NMR	ND	NMR	NMR	NMR	NMR										
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0003	0.0003	0.0018	0.0003	0.0003	ND	0.0003	0.0003	0.0003	0.0022										
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0035	0.0047	0.0038	0.0032	0.0027	ND	0.0043	0.0052	0.0057											
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0054	0.0104	0.0065	0.0035	0.0035	ND	0.0035	0.0035	0.0035	0.0101										
<b>TSS</b> (mg/l)	15	ND	ND	6.00	2.75	4.17	1.33	3.67	ND	7.00	3.33	5.80											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0050	0.0053	0.0073	0.6673	0.0077	ND	0.0023	0.0043	0.0026											
<b>pH low</b>	≥6.0	ND	ND	7.6	7.1	6.8	6.6	7.5	ND	7.7	6.7	7.2											
<b>pH high</b>	≤9.5	ND	ND	7.6	7.6	7.8	7.9	7.7	ND	8.1	7.6	7.7											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	282,753	2,225,461	2,269,987	1,233,059	827,993	ND	865,249	948,014	2,243,122											
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	1	1	ND	1	2	1											
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	0	ND	0	0	0											
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	1	1	ND	1	2	1											
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	0	ND	0	0	0											
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Lac des Iles Mine												
OPERATOR NAME	North American Palladium Ltd.												
PRODUCT(S)	Palladium-Platinum-Gold-Copper-Nickel-Cobalt												
ADDRESS	P.O. Box 10547, Thunder Bay, Ontario P7B 6T9												
EFFLUENT DISCHARGE POINT	Final Discharge Point 1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0003	0.0009	0.0003	0.0012	0.0005	0.0003	0.0003	0.0003
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0014	0.0011	0.0019	0.0026	0.0013	0.0010	0.0008	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0117	0.0114	0.0143	0.0149	0.0175	0.0125	0.0125	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0012	0.0008	0.0021	0.0003	0.0011	0.0005	0.0003	
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	4.38	2.90	4.75	6.00	1.90	1.88	7.00	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0050	NMR	0.0050	0.0050	0.0050	0.0050	0.0050	
<b>pH low</b>	≥6.0	ND	ND	ND	ND	6.1	7.4	7.7	7.6	7.3	7.5	7.4	
<b>pH high</b>	≤9.5	ND	ND	ND	ND	6.5	8.2	7.9	8.0	7.9	8.0	7.4	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	90,991	156,063	148,594	131,246	115,254	76,070	16,370	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	1	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	0	
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	1	
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	0	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Lac Herbin (Mine)												
OPERATOR NAME	QMX Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	1900 Brador Road, Val-d'Or, Quebec J9P 7A9												
EFFLUENT DISCHARGE POINT	Final Effluent 1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0003	NMR	NMR	0.0008	NMR	NMR	0.0003	NMR	NMR	0.0009	NMR
<b>Cu</b> (mg/l)	0.3	NMR	0.0023	NMR	NMR	0.0021	NMR	NMR	0.0013	NMR	NMR	0.0013	NMR
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	NMR	0.0002	NMR	NMR	0.0025	NMR	NMR	0.0002	NMR	NMR	0.0002	NMR
<b>Ni</b> (mg/l)	0.5	NMR	0.0038	NMR	NMR	0.0027	NMR	NMR	0.0025	NMR	NMR	0.0014	NMR
<b>Zn</b> (mg/l)	0.5	NMR	0.1120	NMR	0.0840	0.1113	0.0763	0.0523	0.0344	0.0444	0.0380	0.0358	0.0502
<b>TSS</b> (mg/l)	15	1.88	2.13	2.63	2.00	3.63	0.75	1.50	0.63	1.00	2.13	1.38	2.20
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0030	NMR	NMR	0.0030	NMR	NMR	0.0010	NMR	NMR	0.0020	NMR
<b>pH low</b>	≥6.0	6.8	6.7	6.7	6.8	6.9	6.8	6.8	7.1	7.0	6.8	6.8	6.5
<b>pH high</b>	≤9.5	6.8	6.8	6.7	7.0	6.9	6.9	7.2	7.4	7.4	7.3	7.3	7.0
<b>Flow</b> (m <sup>3</sup> /month)	—	35,109	28,493	27,810	28,279	37,515	32,673	40,134	40,864	40,736	40,039	32,917	35,917
<b>Rainbow Trout</b>	Pass	NMR	1	NMR									
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR									
<b>Daphnia magna</b>	Pass	NMR	1	NMR									
<b>Monitoring Test</b>	Fail	NMR	0	NMR									
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Langlois (Mine)												
OPERATOR NAME	Nyrstar												
PRODUCT(S)	Zinc-Copper-Gold-Silver												
ADDRESS	Route 1000, Km. 42, lebel-sur-Quévillon, Quebec J0Y 1X0												
EFFLUENT DISCHARGE POINT	Main Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0010	0.0018	0.0015	0.0015	0.0014	0.0012	0.0014	0.0014	0.0012	0.0048	0.0008	0.0026
<b>Cu</b> (mg/l)	0.3	0.0108	0.0100	0.0088	0.0086	0.0091	0.0085	0.0099	0.0087	0.0112	0.0147	0.0152	0.0123
<b>CN</b> (mg/l)	1.0	NMR	0.0015	NMR	NMR	0.0060	NMR	0.0025	NMR	NMR	0.0025	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0035	0.0023	0.0020	0.0010	0.0055	0.0055	0.0042	0.0024	0.0022	0.0018	0.0009	0.0006
<b>Ni</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0035	0.0018	0.0040	0.0040	0.0041	0.0034	0.0038	0.0029	0.0043
<b>Zn</b> (mg/l)	0.5	0.0860	0.0710	0.0603	0.0444	0.0548	0.0775	0.1208	0.1050	0.1892	0.3028	0.4485	0.4732
<b>TSS</b> (mg/l)	15	2.20	2.53	2.20	2.14	1.88	2.63	1.30	1.52	2.10	1.00	1.63	1.00
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0025	NMR	NMR	0.0010	NMR	NMR	NMR	0.0010	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.6	6.9	7.0	6.9	6.6	7.3	6.7	6.5	7.4	7.0	7.3	7.1
<b>pH high</b>	≤9.5	8.5	8.0	7.5	7.6	7.1	7.5	7.3	7.8	7.7	7.5	7.5	7.5
<b>Flow</b> (m <sup>3</sup> /month)	—	73,245	57,349	72,767	248,400	432,889	395,856	401,262	215,591	273,177	427,623	235,217	191,013
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Lapa (Project)												
<b>OPERATOR NAME</b>	Mines Agnico-Eagle ltée												
<b>PRODUCT(S)</b>	Gold												
<b>ADDRESS</b>	299 St-Paul Boulevard North, Rivière-Éva, Quebec J0Y 2H0												
<b>EFFLUENT DISCHARGE POINT</b>	Final Effluent—Sedimentation Pond												
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>
<b>As (mg/l)</b>	0.5	ND	0.1360	0.1485	0.0553	0.0253	0.0534	0.0414	0.0786	0.1160	0.0621	0.1011	0.1012
<b>Cu (mg/l)</b>	0.3	ND	0.0219	0.0145	0.0156	0.0101	0.0069	0.0078	0.0070	0.0057	0.0031	0.0047	0.0044
<b>CN (mg/l)</b>	1.0	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb (mg/l)</b>	0.2	ND	0.0004	0.0015	0.0002	0.0003	0.0002	0.0033	0.0011	0.0017	0.0002	0.0005	0.0002
<b>Ni (mg/l)</b>	0.5	ND	0.0258	0.0233	0.0193	0.0196	0.0166	0.0194	0.0180	0.0200	0.0156	0.0171	0.0167
<b>Zn (mg/l)</b>	0.5	ND	0.0055	0.0123	0.0095	0.0054	0.0058	0.0025	0.0049	0.0076	0.0049	0.0069	0.0058
<b>TSS (mg/l)</b>	15	ND	9.33	14.67	13.00	14.60	8.75	4.00	8.80	10.00	9.63	12.50	7.40
<b>Ra-226 (Bq/l)</b>	0.37	ND	NMR	0.0025	NMR	NMR	0.0020	0.0030	NMR	NMR	0.0070	NMR	NMR
<b>pH low</b>	≥6.0	ND	8.5	7.6	6.7	6.1	6.1	7.2	8.0	7.5	6.5	6.2	6.2
<b>pH high</b>	≤9.5	ND	8.7	8.0	8.5	8.1	8.3	8.3	8.2	7.9	7.6	7.7	6.7
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	2,608	4,871	8,061	23,377	21,648	9,018	24,619	27,936	25,748	27,912	23,568
<b>Rainbow Trout</b>	Pass	ND	1	1	1	1	1	2	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	ND	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	ND	1	1	1	1	1	2	1	1	1	1	1
<b>Monitoring Test</b>	Fail	ND	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Laronde (Mine)												
OPERATOR NAME	Mines Agnico-Eagle ltée												
PRODUCT(S)	Gold/Silver/Copper/Zinc												
ADDRESS	10200 Preissac Road, Rouyn-Noranda, Quebec J0Y 1C0												
EFFLUENT DISCHARGE POINT	Final Effluent 3A												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0030	0.0024	0.0028	0.0020	0.0005	0.0005	0.0019	0.0018	0.0035	0.0026	0.0035	
<b>Cu</b> (mg/l)	0.3	0.0410	0.0353	0.0360	0.0408	0.0335	0.0310	0.0284	0.0252	0.0205	0.0233	0.0279	
<b>CN</b> (mg/l)	1.0	0.1973	0.1738	0.1845	0.2150	0.0558	0.0168	0.0148	0.0285	0.0656	0.0993	0.2370	
<b>Pb</b> (mg/l)	0.2	0.0004	0.0003	0.0004	0.0004	0.0006	0.0003	0.0001	0.0021	0.0002	0.0002	0.0009	
<b>Ni</b> (mg/l)	0.5	0.1015	0.0430	0.0383	0.0228	0.0088	0.0118	0.0220	0.0250	0.0440	0.0894	0.1638	
<b>Zn</b> (mg/l)	0.5	0.0248	0.0190	0.0108	0.0114	0.0093	0.0075	0.0044	0.0034	0.0097	0.0091	0.0123	
<b>TSS</b> (mg/l)	15	3.98	3.08	5.33	8.36	14.25	8.65	7.96	9.25	8.20	7.50	8.50	
<b>Ra-226</b> (Bq/l)	0.37	0.0025	NMR	NMR	0.0025	NMR	0.0025	NMR	NMR	0.0020	NMR	NMR	
<b>pH low</b>	≥6.0	7.0	6.5	7.0	6.9	7.0	7.0	7.1	6.5	7.0	7.1	7.2	
<b>pH high</b>	≤9.5	7.4	7.5	7.5	7.6	7.3	7.2	7.3	7.4	7.5	7.3	7.5	
<b>Flow</b> (m <sup>3</sup> /month)	—	190,147	182,183	219,538	256,684	299,166	279,362	295,636	284,333	324,522	289,061	184,123	
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Lockery Mine												
OPERATOR NAME	First Nickel Inc.												
PRODUCT(S)	Copper-Nickel-Cobalt												
ADDRESS	NI-2 Lot 2 Concession 5, PCL 454, SWS Denison Twp., Whitefish, Ontario P0M 3E0												
EFFLUENT DISCHARGE POINT	Number 4 Pond Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0114	0.0114	0.0114	0.0114	0.0150
<b>Cu</b> (mg/l)	0.3	0.0150	0.0150	0.0150	0.0150	0.0150	0.0160	0.0123	0.0150	0.0153	0.0135	0.0150	0.0150
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0039	0.0050	0.0039	0.0039	0.0050
<b>Ni</b> (mg/l)	0.5	0.0598	0.0575	0.0443	0.0848	0.1588	0.0698	0.0712	0.0550	0.1608	0.1425	0.2070	0.1134
<b>Zn</b> (mg/l)	0.5	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0156	0.0200	0.0156	0.0156	0.0200
<b>TSS</b> (mg/l)	15	1.38	0.88	1.25	1.40	1.63	1.38	1.50	0.88	0.90	2.00	2.38	0.80
<b>Ra-226</b> (Bq/l)	0.37	0.3000	0.2500	0.8250	0.0440	0.0350	0.0550	0.0520	0.0375	0.0308	0.0525	0.0680	
<b>pH low</b>	≥6.0	7.7	7.7	7.9	7.8	7.8	7.7	7.8	7.6	7.7	7.6	7.4	7.7
<b>pH high</b>	≤9.5	8.2	8.0	8.0	8.2	7.9	7.9	8.0	8.0	7.9	7.7	7.7	7.8
<b>Flow</b> (m <sup>3</sup> /month)	—	26,551	23,921	26,194	59,558	49,612	15,391	15,452	29,113	26,416	51,946	43,356	40,421
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	2	NMR	NMR	NMR	2
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	NMR	0
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	2	NMR	NMR	NMR	2
<b>Monitoring Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	NMR	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Lupin Mine												
OPERATOR NAME	Lupin Mines Inc.												
PRODUCT(S)	Gold												
ADDRESS	Contwoyto Lake, lac Contwoyto, Nunavut												
EFFLUENT DISCHARGE POINT	Tailings Polishing Pond No. 2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required

**Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0016	0.0033	0.0028	0.0013	0.0025	0.0034	0.0045	0.0026	0.0025	0.0025	0.0022	
<b>Cu</b> (mg/l)	0.3	0.0069	0.0060	0.0173	0.0094	0.0213	0.0575	0.0332	0.0330	0.0182	0.0428	0.0303	
<b>CN</b> (mg/l)	1.0	0.0060	0.0088	0.0045	0.0046	0.0110	0.0160	0.0090	0.0073	0.0048	0.0088	0.0098	
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0014	0.0005	0.0005	
<b>Ni</b> (mg/l)	0.5	0.0060	0.0088	0.0078	0.0946	0.0073	0.0058	0.0060	0.0083	0.0044	0.0065	0.0050	
<b>Zn</b> (mg/l)	0.5	0.0083	0.0108	0.0255	0.0110	0.0085	0.0065	0.0118	0.0058	0.0086	0.0090	0.0071	
<b>TSS</b> (mg/l)	15	2.38	2.00	4.25	5.10	2.63	1.63	1.80	1.63	1.10	4.00	1.63	
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0060	NMR	0.0060	NMR	NMR	0.0025	NMR	NMR	0.0025	
<b>pH low</b>	≥6.0	7.7	8.2	8.2	8.1	8.0	8.0	8.0	7.5	7.0	8.2	8.3	
<b>pH high</b>	≤9.5	8.2	8.4	8.3	8.3	8.2	8.5	8.2	8.2	9.4	8.3	8.5	
<b>Flow</b> (m <sup>3</sup> /month)	—	122,244	85,784	26,732	158,903	485,055	422,795	274,763	201,777	399,393	501,963	359,439	
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Magnacon Mine (part of Eagle River Mill)												
OPERATOR NAME	Wesdome Gold Mines Ltd.												
PRODUCT(S)	Gold												
ADDRESS	93 Mission Road, P.O. Box 1520, Wawa, Ontario P0S 1K0												
EFFLUENT DISCHARGE POINT	Magnacon Mine												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Matagami Mine												
OPERATOR NAME	Glencore Canada Corporation												
PRODUCT(S)	Zinc-Copper												
ADDRESS	500 Industriel Boulevard, Matagami, Quebec J0Y 2A0												
EFFLUENT DISCHARGE POINT	Final Effluent (W/LD)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0008	0.0005	0.0005	0.0007	0.0005	0.0005	0.0012	0.0005	0.0009	0.0006	0.0006	0.0011
<b>Cu</b> (mg/l)	0.3	0.0018	0.0008	0.0025	0.0015	0.0080	0.0025	0.0020	0.0023	0.0030	0.0044	0.0011	0.0026
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0009	0.0006	0.0016	0.0005	0.0006	0.0011	0.0015	0.0009	0.0005	0.0005
<b>Ni</b> (mg/l)	0.5	0.0005	0.0006	0.0011	0.0005	0.0014	0.0005	0.0009	0.0005	0.0014	0.0011	0.0005	0.0005
<b>Zn</b> (mg/l)	0.5	0.0060	0.0064	0.0103	0.0131	0.1753	0.0395	0.0416	0.0150	0.0213	0.0774	0.0230	0.0416
<b>TSS</b> (mg/l)	15	0.75	1.25	0.50	0.80	3.38	1.00	1.20	1.00	3.25	1.80	1.00	3.80
<b>Ra-226</b> (Bq/l)	0.37	0.0010	NMR	NMR	NMR	0.0040	NMR	0.0010	NMR	NMR	0.0020	NMR	NMR
<b>pH low</b>	≥6.0	8.8	8.8	8.6	8.6	7.7	8.5	7.3	8.2	6.7	8.8	8.8	6.8
<b>pH high</b>	≤9.5	8.9	9.0	9.0	9.0	8.8	8.9	8.8	8.7	8.9	9.1	8.9	8.9
<b>Flow</b> (m <sup>3</sup> /month)	—	1,235,757	947,685	961,727	1,186,371	2,036,572	1,278,042	1,027,450	702,007	1,013,358	1,508,493	946,948	901,510
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	0	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	1	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	MAX Molybdenum Mine and Mill												
OPERATOR NAME	FortyTwo Metals Inc.												
PRODUCT(S)	Molybdenum												
ADDRESS	42 W Westside Road, Trout Lake, British Columbia V0G 1R0												
EFFLUENT DISCHARGE POINT	MM-SiteD—Mine Portal Settling Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	MAX Molybdenum Mine and Mill												
OPERATOR NAME	FortyTwo Metals Inc.												
PRODUCT(S)	Molybdenum												
ADDRESS	42 W Westside Road, Trout Lake, British Columbia V0G 1R0												
EFFLUENT DISCHARGE POINT	MM. Site—Settling Ponds Decant												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	NMR	0.0006	NMR	NMR	0.0005	NMR	NMR	0.0007	0.0007	NMR	NMR
<b>Cu</b> (mg/l)	0.3	NMR	NMR	0.0001	NMR	NMR	0.0001	NMR	NMR	0.0003	NMR	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	NMR	NMR	0.0001	NMR	NMR	0.0001	NMR	NMR	0.0001	0.0001	NMR	NMR
<b>Ni</b> (mg/l)	0.5	NMR	NMR	0.0006	NMR	NMR	0.0011	NMR	NMR	0.0005	0.0007	NMR	NMR
<b>Zn</b> (mg/l)	0.5	NMR	NMR	0.0020	NMR	NMR	0.0020	NMR	NMR	0.0020	0.0020	NMR	NMR
<b>TSS</b> (mg/l)	15	0.50	—	6.00	—	3.00	0.50	0.50	—	2.00	0.50	1.00	—
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0025	NMR	NMR	0.0100	NMR	NMR	0.0100	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	8.0	—	8.1	—	7.5	7.3	8.0	—	8.1	8.2	8.1	—
<b>pH high</b>	≤9.5	8.0	—	8.1	—	7.5	7.3	8.0	—	8.1	8.2	8.1	—
<b>Flow</b> (m <sup>3</sup> /month)	—	56,984	52,153	62,037	76,340	214,148	166,488	117,400	93,860	85,493	78,702	99,624	88,181
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	0	NMR	NMR
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	1	NMR	NMR
<b>Monitoring Test</b>	Foil	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	0	NMR	NMR
<b>Comments:</b>	No TSS and pH results were provided for the months of February, April, August, and December.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	MAX Molybdenum Mine and Mill												
OPERATOR NAME	FortyTwo Metals Inc.												
PRODUCT(S)	Molybdenum												
ADDRESS	42 Westside Road, Trout Lake, British Columbia V0G 1R0												
EFFLUENT DISCHARGE POINT	MM.TP—Tailings Pond Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0003	0.0004	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0006	0.0010	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	NMR	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0002	0.0001	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0007	0.0007	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0050	0.0040	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	0.50	4.25	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	—	—	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.8	6.8	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.8	7.7	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	8,757	53,713	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	—	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	—	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	—	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	—	ND	ND	ND	ND	ND	ND
<b>Comments:</b>	No radium 226 results were provided for the months of May and June. No toxicity test results were provided for June.												

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Fail:** >50% Mortality    **Pass:** ≤50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McAlpine Mill Site																						
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	0.1318	0.0780	0.1140	0.2425	0.2375	0.1100	0.1167	0.1025	0.0580	0.0975	0.0300	0.0860										
<b>Cu</b> (mg/l)	0.3	0.0075	0.0045	0.0034	0.0080	0.0280	0.0059	0.0037	0.0046	0.0038	0.0034	0.0021	0.0032										
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR										
<b>Pb</b> (mg/l)	0.2	0.0045	0.0035	0.0035	0.0159	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035										
<b>Ni</b> (mg/l)	0.5	0.0245	0.0268	0.0292	0.0440	0.0155	0.0034	0.0020	0.0020	0.0020	0.0073	0.0133	0.0240										
<b>Zn</b> (mg/l)	0.5	0.0108	0.0030	0.0016	0.0090	0.0218	0.0024	0.0013	0.0015	0.0014	0.0038	0.0025	0.0030										
<b>TSS</b> (mg/l)	15	4.75	3.75	4.80	7.50	5.00	2.80	3.33	4.50	5.20	2.75	1.75	2.40										
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	0.0250	NMR										
<b>pH low</b>	≥6.0	7.8	7.9	7.3	8.1	8.8	8.2	8.2	8.0	7.9	8.2	7.9	7.7										
<b>pH high</b>	≤9.5	8.6	8.1	8.9	9.0	8.8	8.6	8.5	8.2	8.4	8.6	8.1	8.3										
<b>Flow</b> (m <sup>3</sup> /month)	—	42,918	21,677	34,457	263,512	364,833	36,245	22,237	23,982	27,676	202,907	104,229	81,478										
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR										
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR										
<b>Daphnia magna</b>	Pass	1	1	1	1	0	1	2	1	1	1	1	1										
<b>Monitoring Test</b>	Fail	0	0	0	0	2	1	0	0	0	0	0	0										
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McArthur River Operation												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 2.1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0012	0.0014	0.0016	0.0011	0.0006	0.0020	0.0015	0.0012	0.0013	0.0018	0.0013	0.0013
<b>Cu</b> (mg/l)	0.3	0.0013	0.0016	0.0011	0.0011	0.0010	0.0014	0.0012	0.0011	0.0013	0.0014	0.0016	0.0008
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0015	0.0012	0.0015	0.0014	0.0011	0.0018	0.0014	0.0012	0.0019	0.0014	0.0020	0.0019
<b>Zn</b> (mg/l)	0.5	0.0015	0.0016	0.0017	0.0013	0.0065	0.0067	0.0034	0.0029	0.0022	0.0021	0.0016	0.0018
<b>TSS</b> (mg/l)	15	0.50	0.50	0.88	1.10	0.88	1.13	0.60	0.50	0.80	0.88	0.88	0.50
<b>Ra-226</b> (Bq/l)	0.37	0.0525	0.0475	0.0375	0.0620	0.0275	0.0325	0.0340	0.0425	0.0450	0.0400	0.0375	0.0320
<b>pH low</b>	≥6.0	7.0	7.1	7.1	7.1	7.0	6.9	6.9	7.0	7.1	7.0	7.0	7.0
<b>pH high</b>	≤9.5	7.4	7.6	7.4	7.4	7.3	7.6	7.5	7.4	7.4	7.3	7.2	7.3
<b>Flow</b> (m <sup>3</sup> /month)	–	184,740	172,127	177,931	176,501	211,182	192,936	159,512	264,733	175,515	193,020	184,710	178,570
<b>Rainbow Trout</b>	Pass	NMR	1	NMR									
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR									
<b>Daphnia magna</b>	Pass	NMR	1	NMR									
<b>Monitoring Test</b>	Fail	NMR	0	NMR									
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McArthur River Operation												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 2.1B												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	–	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McArthur River Operation												
OPERATOR NAME	Cameco Corporation												
PRODUCT(S)	Uranium												
ADDRESS	2121 – 11th Street West, Saskatoon, Saskatchewan S7M 1J3												
EFFLUENT DISCHARGE POINT	Station 2.7												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Cu</b> (mg/l)	0.3	0.0003	0.0001	0.0001	0.0001	0.0001	0.0004	0.0001	0.0001	0.0025	0.0010	0.0001	0.0003
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0001	0.0001	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0027	0.0019	0.0018	0.0017	0.0014	0.0016	0.0014	0.0012	0.0014	0.0014	0.0013	0.0013
<b>Zn</b> (mg/l)	0.5	0.0328	0.0300	0.0280	0.0220	0.0108	0.0204	0.0069	0.0066	0.0093	0.0120	0.0228	0.0288
<b>TSS</b> (mg/l)	15	0.50	0.50	0.50	0.50	1.50	0.50	0.50	1.20	0.50	0.50	0.50	0.50
<b>Ra-226</b> (Bq/l)	0.37	0.1150	0.1075	0.1125	0.0960	0.1050	0.1175	0.0960	0.0933	0.0840	0.0975	0.0975	0.0880
<b>pH low</b>	≥6.0	6.9	6.9	7.0	7.0	7.3	7.3	7.3	7.2	6.8	7.2	6.9	6.8
<b>pH high</b>	≤9.5	7.3	7.3	7.4	7.2	7.2	7.5	7.5	7.5	7.5	7.5	7.2	7.1
<b>Flow</b> (m <sup>3</sup> /month)	–	34,578	32,763	36,162	33,975	32,117	32,218	38,540	14,717	14,702	14,981	13,918	17,581
<b>Rainbow Trout</b>	Pass	–	–	–	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	–	–	–	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	–	–	–	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	–	–	–	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR
<b>Comments:</b>	No toxicity test results were provided for the first quarter.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME		McClean Lake Operation																							
OPERATOR NAME		Areva Resources Canada Incorporated																							
PRODUCT(S)		Uranium																							
ADDRESS		P.O. Box 9204, 817–45th Street West, Saskatoon, Saskatchewan S7K 3X5																							
EFFLUENT DISCHARGE POINT		CM01-B																							
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.												
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0004	0.0005	0.0014	0.0009													
<b>Cu</b> (mg/l)	0.3	0.0018	0.0013	0.0020	0.0028	0.0038	0.0029	0.0018	0.0008	0.0006	0.0008	0.0006	0.0009												
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR												
<b>Pb</b> (mg/l)	0.2	0.0005	0.0004	0.0005	0.0005	0.0004	0.0005	0.0005	0.0004	0.0005	0.0005	0.0005	0.0004												
<b>Ni</b> (mg/l)	0.5	0.0178	0.0175	0.0223	0.0200	0.0273	0.0257	0.0335	0.0242	0.0237	0.0358	0.0260	0.0300												
<b>Zn</b> (mg/l)	0.5	0.0020	0.0023	0.0038	0.0035	0.0023	0.0044	0.0155	0.0035	0.0032	0.0048	0.0033	0.0019												
<b>TSS</b> (mg/l)	15	0.88	0.75	1.67	2.00	1.75	1.42	4.00	4.17	1.33	0.63	0.63	0.50												
<b>Ra-226</b> (Bq/l)	0.37	0.0025	0.0031	0.0033	0.0031	0.0025	0.0055	0.0055	0.0069	0.0037	0.0025	0.0100	0.0105												
<b>pH low</b>	≥6.0	7.2	7.3	7.2	7.3	7.4	7.2	7.1	7.4	7.0	7.0	7.2	7.1												
<b>pH high</b>	≤9.5	7.6	7.5	7.8	7.5	7.9	7.6	7.5	7.6	7.5	7.3	7.4	7.5												
<b>Flow</b> (m <sup>3</sup> /month)	—	76,981	69,298	75,783	73,245	78,464	57,782	54,886	42,601	66,230	71,220	67,850	67,885												
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1												
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0												
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1												
<b>Monitoring Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0												
<b>Comments:</b>																									
<b>NOTES:</b>																									
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																									
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																									
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																									

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McClean Lake Operation												
OPERATOR NAME	Areva Resources Canada Incorporated												
PRODUCT(S)	Uranium												
ADDRESS	P.O. Box 9204, 817–45th Street West, Saskatoon, Saskatchewan S7K 3X5												
EFFLUENT DISCHARGE POINT	CM03												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McClean Lake Operation												
OPERATOR NAME	Areva Resources Canada Incorporated												
PRODUCT(S)	Uranium												
ADDRESS	P.O. Box 9204, 817–45th Street West, Saskatoon, Saskatchewan S7K 3X5												
EFFLUENT DISCHARGE POINT	SCO1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0050	0.0088	0.0123	0.0063	0.0078	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	0.0005	0.0004	0.0004	0.0004	0.0008	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	0.0005	0.0004	0.0004	0.0004	0.0004	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0405	0.0374	0.0566	0.0557	0.0450	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0010	0.0005	0.0008	0.0005	0.0014	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	0.50	0.50	0.50	0.50	0.50	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	0.0031	0.0025	0.0025	0.0037	0.0025	ND	
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	7.0	6.7	6.9	7.0	6.9	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	7.2	7.3	8.1	7.6	7.4	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	73,148	112,151	92,660	121,330	31,796	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	NMR	1	NMR	1	NMR	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	NMR	0	NMR	0	NMR	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	NMR	1	NMR	1	NMR	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	NMR	0	NMR	0	NMR	ND	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McClean Lake Operation												
OPERATOR NAME	Areva Resources Canada Incorporated												
PRODUCT(S)	Uranium												
ADDRESS	P.O. Box 9204, 817–45th Street West, Saskatoon, Saskatchewan S7K 3X5												
EFFLUENT DISCHARGE POINT	SPO1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	McWatters Mine												
OPERATOR NAME	Northern Sun Mining Corp.												
PRODUCT(S)	Nickel												
ADDRESS	P.O. Box 5114, South Porcupine, Ontario PON 1HO												
EFFLUENT DISCHARGE POINT	MWD-2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0011
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0033
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0000
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0002
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0196
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0038
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0027
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.3
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,716
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
<b>Comments:</b>	No radium 226 results were provided for the months of October and November.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Fail:</b> >50% Mortality <b>Pass:</b> ≤50% Mortality <b>—:</b> No data reported												
	Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.												
	A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Meadowbank Mine												
OPERATOR NAME	Agnico-Eagle Mines Limited												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 540, Baker Lake, Nunavut X0C 0A0												
EFFLUENT DISCHARGE POINT	East Dike Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0143	0.0014	0.0018	0.0035	—	ND	0.0016	0.0023	0.0011	0.0004	0.0003	0.0005
<b>Cu</b> (mg/l)	0.3	0.0130	0.0032	0.0007	0.0016	—	ND	0.0009	0.0011	0.0032	0.0009	0.0006	0.0753
<b>CN</b> (mg/l)	1.0	0.0031	0.0025	0.0025	0.0025	—	ND	0.0025	0.0025	0.0034	0.0031	0.0025	0.0044
<b>Pb</b> (mg/l)	0.2	0.0170	0.0019	0.0010	0.0021	—	ND	0.0002	0.0002	0.0042	0.0002	0.0002	0.1001
<b>Ni</b> (mg/l)	0.5	0.0050	0.0019	0.0012	0.0018	—	ND	0.0018	0.0020	0.0019	0.0005	0.0003	0.0003
<b>Zn</b> (mg/l)	0.5	0.0166	0.0046	0.0009	0.0036	—	ND	0.0050	0.0018	0.0074	0.0010	0.0016	0.0671
<b>TSS</b> (mg/l)	15	13.75	9.75	13.50	14.33	—	ND	2.00	8.25	5.90	11.75	5.90	3.13
<b>Ra-226</b> (Bq/l)	0.37	0.0013	0.0173	0.0115	0.0068	—	ND	0.0010	0.0010	0.0038	0.0018	0.0014	0.0010
<b>pH low</b>	≥6.0	6.8	6.6	6.5	6.6	—	ND	7.4	7.2	7.2	7.0	7.0	7.2
<b>pH high</b>	≤9.5	7.6	6.9	8.5	6.8	—	ND	7.4	7.6	7.9	7.9	7.4	7.4
<b>Flow</b> (m <sup>3</sup> /month)	—	11,779	12,729	12,971	10,737	528	ND	1,716	22,049	19,914	17,880	16,453	16,881
<b>Rainbow Trout</b>	Pass	1	1	1	1	—	ND	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	—	ND	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	—	ND	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	—	ND	0	0	0	0	0	0

**Comments:** This was registered as a final discharge point in January, 2014. Only flow data was provided for the month of May.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Meadowbank Mine												
OPERATOR NAME	Agnico-Eagle Mines Limited												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 540, Baker Lake, Nunavut X0C 0A0												
EFFLUENT DISCHARGE POINT	Vault Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0021	0.0003	0.0023	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0003	0.0020	0.0062	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0025	0.0025	0.0025	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0002	0.0187	0.0006	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0014	0.0011	0.0027	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0010	0.0010	0.0033	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	11.00	5.00	30.50	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0010	0.0010	0.0035	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.5	7.4	7.2	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.5	7.4	7.9	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	139,900	91,500	97,701	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Meadowbank Mine																					
OPERATOR NAME	Agnico-Eagle Mines Limited																					
PRODUCT(S)	Gold																					
ADDRESS	P.O. Box 540, Baker Lake, Nunavut X0C 0A0																					
EFFLUENT DISCHARGE POINT	Water Treatment Plant																					
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.									
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0013	0.0029	ND	ND	ND	ND	ND	ND									
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0046	0.0060	ND	ND	ND	ND	ND	ND									
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.3175	0.4500	ND	ND	ND	ND	ND	ND									
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0002	0.0011	ND	ND	ND	ND	ND	ND									
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0365	0.0003	ND	ND	ND	ND	ND	ND									
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0040	0.0030	ND	ND	ND	ND	ND	ND									
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	8.25	9.00	ND	ND	ND	ND	ND	ND									
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0350	0.0400	ND	ND	ND	ND	ND	ND									
<b>pH low</b>	≥6.0	ND	ND	ND	ND	6.6	7.2	ND	ND	ND	ND	ND	ND									
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.3	7.2	ND	ND	ND	ND	ND	ND									
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	193,723	14,090	ND	ND	ND	ND	ND	ND									
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	ND	ND	ND	ND	ND	ND									
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	ND	ND	ND	ND	ND	ND									
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	0	ND	ND	ND	ND	ND	ND									
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	1	ND	ND	ND	ND	ND	ND									
<b>Comments:</b>																						
<b>NOTES:</b>																						
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																						
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																						
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																						

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Ming Mine																							
OPERATOR NAME	Rambler Metals and Mining Canada Ltd.																							
PRODUCT(S)	Copper-Gold																							
ADDRESS	Route 418 Ming's Bright Road, Baie Verte, Newfoundland and Labrador A0K 1B0																							
EFFLUENT DISCHARGE POINT	Wastewater Treatment System Discharge																							
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	0.0009	0.0005	0.0015	0.0006	0.0005	0.0008	ND	0.0008	0.0005	0.0021	0.0009												
<b>Cu</b> (mg/l)	0.3	0.0136	0.0077	0.0096	0.0256	0.0412	0.0345	0.0388	ND	0.0179	0.0117	0.0480												
<b>CN</b> (mg/l)	1.0	0.0030	0.0022	0.0076	0.0117	0.0141	0.0109	0.0057	ND	0.0138	0.0087	0.0075												
<b>Pb</b> (mg/l)	0.2	0.0003	0.0009	0.0007	0.0004	0.0003	0.0003	0.0008	ND	0.0003	0.0004	0.0059												
<b>Ni</b> (mg/l)	0.5	0.0055	0.0038	0.0151	0.0050	0.0059	0.0068	0.0088	ND	0.0052	0.0127	0.0057												
<b>Zn</b> (mg/l)	0.5	0.0916	0.0333	0.0884	0.1048	0.0577	0.0380	0.1588	ND	0.0707	0.1898	0.0617												
<b>TSS</b> (mg/l)	15	4.50	2.53	5.36	6.40	5.40	2.50	8.30	ND	2.87	4.20	4.75												
<b>Ra-226</b> (Bq/l)	0.37	0.0082	0.0050	0.0264	0.0112	0.0050	0.0050	0.0070	ND	0.0077	0.0120	0.0090												
<b>pH low</b>	≥6.0	7.3	7.8	7.9	6.3	7.6	7.7	6.6	ND	8.2	7.5	7.4												
<b>pH high</b>	≤9.5	8.5	8.5	8.5	8.7	8.6	8.4	8.3	ND	8.5	8.3	8.5												
<b>Flow</b> (m <sup>3</sup> /month)	—	28,555	21,558	29,067	38,598	36,981	36,406	30,365	ND	21,628	22,434	50,7650												
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	ND	1	1	1												
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	ND	0	0	0												
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	ND	1	1	1												
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	ND	0	0	0												
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Minto Project												
OPERATOR NAME	Minto Explorations Ltd.												
PRODUCT(S)	Copper-Gold-Silver												
ADDRESS	P.O. Box 33174, Whitehorse, Yukon Y1A 6S1												
EFFLUENT DISCHARGE POINT	Mi.W3 – Runoff Main Water Dam												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0003	0.0003	0.0004	0.0005	0.0006	0.0003	0.0003	0.0002	0.0003	0.0003	0.0003	0.0003
<b>Cu</b> (mg/l)	0.3	0.0029	0.0024	0.0050	0.0326	0.0428	0.0032	0.0031	0.0038	0.0026	0.0038	0.0033	0.0061
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0001	0.0001	0.0090	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0005	0.0005	0.0013	0.0015	0.0018	0.0008	0.0005	0.0005	0.0007	0.0008	0.0007	0.0008
<b>Zn</b> (mg/l)	0.5	0.0025	0.0025	0.0052	0.0070	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
<b>TSS</b> (mg/l)	15	1.18	0.50	4.48	11.78	10.98	0.50	0.50	0.65	72.40	3.18	1.13	2.68
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0130	NMR	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR
<b>pH low</b>	≥6.0	8.0	8.1	8.2	7.9	7.8	8.3	8.2	8.2	8.1	8.0	7.9	
<b>pH high</b>	≤9.5	8.3	8.3	8.3	8.1	8.4	8.5	8.3	8.4	8.4	8.3	8.2	
<b>Flow</b> (m <sup>3</sup> /month)	–	8,383	10,165	17,230	158,670	256,866	7,770	7,626	8,029	8,280	11,249	16,135	72,813
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	1	NMR	1
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	0	NMR	0
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	NMR	1	NMR	1	NMR	1	NMR	1
<b>Monitoring Test</b>	Fail	NMR	NMR	0	NMR	NMR	0	NMR	0	NMR	0	NMR	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>–:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0007	0.0019	0.0022	0.0026	0.0007	0.0017	0.0021	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0013	0.0007	0.0005	0.0005	0.0005	0.0005	0.0011	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	ND							
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0005	0.0007	0.0005	0.0010	0.0005	0.0007	0.0011	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0051	0.0051	0.0025	0.0025	0.0025	0.0025	0.0025	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	5.50	1.94	1.00	4.13	0.67	0.88	0.50	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	—	—	0.0025	0.0025	NMR	0.0025	NMR	ND	
<b>pH low</b>	≥6.0	ND	ND	6.2	7.2	7.2	7.4	7.1	7.0	7.5	ND		
<b>pH high</b>	≤9.5	ND	ND	ND	7.3	7.8	7.7	7.6	7.8	8.0	7.8	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	47,610	15,025	40,814	25,296	9,271	23,022	14,320	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	2	—	1	—	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	—	0	—	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	2	—	1	—	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	—	0	—	ND	

**Comments:** No radium 226 results were provided for the second quarter. No toxicity test results were provided for the months of September and November.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Monique (Project)												
<b>OPERATOR NAME</b>	Mines Richmont Incorpore												
<b>PRODUCT(S)</b>	Gold												
<b>ADDRESS</b>	25 km East of Val-d'Or, Val-d'Or, Quebec J9X 4P6												
<b>EFFLUENT DISCHARGE POINT</b>	Monique Final Effluent												
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>
<b>As (mg/l)</b>	0.5	0.0003	0.0013	0.0012	0.0005	0.0003	0.0006	0.0005	0.0007	0.0003	0.0011	0.0006	
<b>Cu (mg/l)</b>	0.3	0.0049	0.0101	0.0068	0.0070	0.0222	0.0075	0.0046	0.0039	0.0033	0.0029	0.0042	0.0022
<b>CN (mg/l)</b>	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb (mg/l)</b>	0.2	0.0011	0.0010	0.0002	0.0004	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
<b>Ni (mg/l)</b>	0.5	0.0056	0.0076	0.0071	0.0062	0.0064	0.0057	0.0052	0.0051	0.0038	0.0053	0.0053	0.0046
<b>Zn (mg/l)</b>	0.5	0.0017	0.0088	0.0043	0.0081	0.0085	0.0059	0.0082	0.0049	0.0037	0.0026	0.0046	0.0016
<b>TSS (mg/l)</b>	15	5.00	5.50	4.38	7.00	13.50	4.25	4.80	5.75	4.20	9.63	12.75	9.60
<b>Ra-226 (Bq/l)</b>	0.37	0.0020	NMR	NMR	0.0010	NMR	0.0010	NMR	NMR	0.0020	NMR	NMR	NMR
<b>pH low</b>	≥6.0	6.7	6.4	6.3	6.2	6.5	6.4	6.5	6.5	6.4	6.5	6.7	6.6
<b>pH high</b>	≤9.5	6.8	6.5	6.6	7.7	7.3	7.1	7.3	6.9	6.9	7.1	7.0	6.8
<b>Flow (m<sup>3</sup>/month)</b>	—	21,611	20,989	23,723	34,571	30,322	21,751	29,141	28,554	30,984	31,160	25,783	25,784
<b>Rainbow Trout</b>	Pass	1	2	2	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	1	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	2	3	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0

**Comments:** *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Fail:** >50% Mortality   **Pass:** ≤50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Montcalm Project												
OPERATOR NAME	Glencore Canada Corporation												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0009	ND	0.0008	0.0007	ND	0.0005	0.0005	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0024	ND	0.0028	0.0021	ND	0.0020	0.0023	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	ND	NMR	ND	NMR	NMR	NMR	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0000	ND	0.0000	0.0000	ND	0.0001	0.0000	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0251	ND	0.0201	0.0096	ND	0.0185	0.0240	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0010	ND	0.0024	0.0015	ND	0.0010	0.0015	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	1.00	ND	1.40	1.50	ND	1.50	1.00	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0025	ND	0.0025	NMR	ND	0.0025	0.0025	ND	
<b>pH low</b>	≥6.0	ND	ND	7.1	ND	7.4	7.3	ND	7.5	7.9	ND		
<b>pH high</b>	≤9.5	ND	ND	ND	7.4	ND	8.1	8.6	ND	7.7	7.9	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	92,307	ND	147,083	127,589	ND	38,353	42,505	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	ND	1	1	ND	1	1	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	ND	0	0	ND	0	0	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	ND	1	1	ND	1	1	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	ND	0	0	ND	0	0	ND	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Mont-Wright (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	P.O. Box 1817, Route 389, Fermont, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	EFF-24-PILE												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	0.0005
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	0.0011
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	NMR
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	0.0005
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	0.0038
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	0.0123
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	18.63
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	7.2
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	7.6
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	46
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	1
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	0
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	1
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	0

**Comments:** This was registered as a final discharge point in December, 2014. No radium 226 results were submitted for the month of December.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Mont-Wright (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	P.O. Box 1817, Route 389, Fermont, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	HS-1 Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	
<b>Cu</b> (mg/l)	0.3	0.0030	0.0020	0.0016	0.0026	0.0033	0.0020	0.0008	0.0010	0.0010	0.0013	0.0014	
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	0.0030	NMR	NMR	NMR	NMR	NMR	NMR	NMR	
<b>Pb</b> (mg/l)	0.2	0.0006	0.0005	0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0005	0.0008	0.0006	
<b>Ni</b> (mg/l)	0.5	0.0433	0.0105	0.0102	0.0096	0.0128	0.0058	0.0052	0.0040	0.0084	0.0063	0.0133	
<b>Zn</b> (mg/l)	0.5	0.0405	0.0163	0.0094	0.0118	0.0200	0.0158	0.0089	0.0035	0.0087	0.0159	0.0108	
<b>TSS</b> (mg/l)	15	5.50	3.25	0.80	6.25	42.67	9.80	4.80	5.25	9.00	6.25	3.13	
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0010	NMR	0.0033	0.0029	0.0010	0.0010	0.0030	NMR	NMR	NMR	
<b>pH low</b>	≥6.0	6.0	6.5	6.2	6.1	6.1	6.6	7.1	6.9	7.0	7.0	6.3	
<b>pH high</b>	≤9.5	7.1	7.3	6.7	7.3	7.1	7.6	7.8	7.8	7.5	7.4	7.3	
<b>Flow</b> (m <sup>3</sup> /month)	—	231,468	1,583,760	1,012,920	4,395,856	8,460,024	14,802,744	9,231,480	6,767,784	3,534,312	10,487,952	3,627,552	
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	4	7	1	1	2	NMR	NMR	NMR	
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	0	—	0	0	0	NMR	NMR	—	
<b>Daphnia magna</b>	Pass	NMR	1	NMR	4	8	1	1	2	NMR	NMR	1	
<b>Monitoring Test</b>	Fail	NMR	0	NMR	0	—	0	0	0	NMR	NMR	0	
<b>Comments:</b>	No Rainbow Trout acute lethality test results were provided for the fourth quarter.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

IRENE-DISCHARGE													
EFFLUENT DISCHARGE POINT	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	0.0005	0.0023	0.0005	0.0013	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	0.0033	0.0572	0.0035	0.0154	ND	ND	ND
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	NMR	NMR	NMR	NMR	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	0.0009	0.0096	0.0005	0.0053	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	0.0098	0.1052	0.0093	0.0057	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	0.0233	0.1350	0.0218	0.0726	ND	ND	ND
<b>TSS</b> (mg/l)	15	—	—	—	—	—	181.00	1,848.00	18.00	481.00	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	0.0050	0.0210	0.0095	0.0090	ND	ND	ND
<b>pH low</b>	≥6.0	—	—	—	—	—	6.9	6.5	6.3	6.4	ND	ND	ND
<b>pH high</b>	≤9.5	—	—	—	—	—	7.3	7.4	7.6	7.5	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	1,243	7,452	2,746	7,460	ND	ND	ND
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	ND	ND	ND
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	ND	ND	ND
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	ND	ND	ND

**Comments:** This was registered as a final discharge point in June, 2014. No toxicity test results were reported for the months of June, July, August and September.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Fail:** >50% Mortality    **Pass:** ≤50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Mont-Wright (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	P.O. Box 1817, Route 389, Fermont, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	MS-2 Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	0.0033	0.0020	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	0.0474	0.0485	0.0362	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	0.0182	0.0190	0.0171	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	4.40	3.75	0.80	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	0.0255	0.0310	0.0250	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	6.1	6.5	6.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	7.4	7.5	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	19	17	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	2	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	0	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	3	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	0	0	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Mont-Wright (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	P.O. Box 1817, Route 389, Fermont, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	MS-4 Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	—	—	—	—	0.0017	0.0023	0.0018	0.0016	0.0028	0.0031	0.0025	0.0031
<b>CN</b> (mg/l)	1.0	—	—	—	—	NMR							
<b>Pb</b> (mg/l)	0.2	—	—	—	—	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Ni</b> (mg/l)	0.5	—	—	—	—	0.0060	0.0180	0.0323	0.0255	0.0366	0.0340	0.0305	0.0441
<b>Zn</b> (mg/l)	0.5	—	—	—	—	0.0553	0.0263	0.0288	0.0266	0.0174	0.0166	0.0260	0.0243
<b>TSS</b> (mg/l)	15	—	—	—	—	32.00	10.00	3.60	8.50	1.20	0.63	0.50	0.57
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	0.0133	0.0223	0.0355	0.0380	0.0360	NMR	0.0440	0.0308
<b>pH low</b>	≥6.0	—	—	—	6.2	6.3	5.4	5.4	6.2	6.3	6.1	5.6	5.6
<b>pH high</b>	≤9.5	—	—	—	7.4	6.7	6.3	6.1	6.6	7.2	6.4	6.9	6.9
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	123,024	85,750	69,062	44,158	29,191	38,509	37,943	18,262	
<b>Rainbow Trout</b>	Pass	—	—	—	2	3	2	2	1	1	1	1	4
<b>Acute Lethality Test</b>	Fail	—	—	—	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	—	—	—	3	2	1	2	1	1	1	1	4
<b>Monitoring Test</b>	Fail	—	—	—	0	1	0	0	0	0	0	0	0

**Comments:** This was registered as a final discharge point in May, 2014.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME		Mont-Wright (Mine)												
OPERATOR NAME		ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)		Iron												
ADDRESS		P.O. Box 1817, Route 389, Fermont, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT		Resurgence-5												
PARAMETERS		LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
As (mg/l)		0.5	—	—	—	—	—	—	—	—	—	0.0005	0.0005	0.0005
Cu (mg/l)		0.3	—	—	—	—	—	—	—	—	—	0.0023	0.0023	0.0027
CN (mg/l)		1.0	—	—	—	—	—	—	—	—	—	NMR	NMR	NMR
Pb (mg/l)		0.2	—	—	—	—	—	—	—	—	—	0.0005	0.0006	0.0005
Ni (mg/l)		0.5	—	—	—	—	—	—	—	—	—	0.0310	0.0303	0.0380
Zn (mg/l)		0.5	—	—	—	—	—	—	—	—	—	0.0245	0.0260	0.0260
TSS (mg/l)		15	—	—	—	—	—	—	—	—	—	1.88	0.75	9.00
Ra-226 (Bq/l)		0.37	—	—	—	—	—	—	—	—	—	0.0410	0.0410	0.0300
pH low		≥6.0	—	—	—	—	—	—	—	—	—	6.2	6.1	6.1
pH high		≤9.5	—	—	—	—	—	—	—	—	—	6.7	6.1	6.8
Flow (m <sup>3</sup> /month)		—	—	—	—	—	—	—	—	—	—	41,812	39,676	14,258
Rainbow Trout		Pass	—	—	—	—	—	—	—	—	—	1	1	1
Acute Lethality Test		Fail	—	—	—	—	—	—	—	—	—	0	0	0
Daphnia magna		Pass	—	—	—	—	—	—	—	—	—	1	1	1
Monitoring Test		Fail	—	—	—	—	—	—	—	—	—	0	0	0

**Comments:** This was registered as a final discharge point in October, 2014.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Mont-Wright (Mine)												
OPERATOR NAME	ArcelorMittal Exploitation minière Canada s.e.n.c.												
PRODUCT(S)	Iron												
ADDRESS	P.O. Box 1817, Route 389, Fermont, Quebec G0G 1J0												
EFFLUENT DISCHARGE POINT	VWEBB-1-Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	0.0014	0.0005	ND
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	0.0040	0.0023	ND
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	NMR	NMR	ND
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	0.0014	0.0005	ND
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	0.0380	0.0135	ND
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	0.0168	0.0158	ND
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	7.25	7.75	ND
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	0.0170	0.0190	ND
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	6.9	7.1	ND
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	7.6	7.5	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	8,604	3,292	ND
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	ND
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	ND
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	1	1	ND
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	0	0	ND

**Comments:** This was registered as a final discharge point in October, 2014. No Rainbow Trout test results were provided for the months of October and November.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	0.0019	0.0019	0.0034	0.0020	—	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	—	—	—	0.0030	0.0026	0.0036	0.0030	—	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	—	—	—	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	—	—	—	0.0000	0.0000	0.0000	0.0000	—	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	—	—	—	0.0003	0.0003	0.0003	0.0003	—	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	—	—	—	0.0015	0.0015	0.0015	0.0015	—	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	—	—	—	3.20	3.00	3.00	3.00	—	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	0.0045	0.0030	0.0043	0.0031	—	ND	ND	ND	ND
<b>pH low</b>	≥6.0	—	—	7.6	7.6	8.0	7.8	—	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	—	—	7.9	8.1	8.1	8.1	—	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	7,106	10,289	26,759	20,033	1,255	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	—	—	—	1	1	1	1	—	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	—	—	—	0	0	0	0	—	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	—	—	—	1	1	1	1	—	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	—	—	—	0	0	0	0	—	ND	ND	ND	ND

**Comments:** This mine became subject to MMER on April 10, 2014. No toxicity test results were provided for the month of April. Only flow was reported for the month of August.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Mouska (Mine)												
OPERATOR NAME	IAMGOLD Corporation												
PRODUCT(S)	Gold												
ADDRESS	100 Pause Road, Cadillac, Quebec J9P 6M1												
EFFLUENT DISCHARGE POINT	Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	NMR	0.0005	0.0005	NMR	0.0005	NMR	0.0003	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	0.0220	0.0240	0.0140	0.0160	0.0160	0.0050	0.0149	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	NMR	0.0013	0.0003	NMR	0.0003	NMR	0.0002	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	NMR	0.0025	0.0021	NMR	0.0021	NMR	0.0039	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	NMR	0.0120	0.0076	NMR	0.0110	NMR	0.0005	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	2.93	2.48	2.53	3.30	2.30	5.40	1.83	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0025	NMR	0.0025	NMR	0.0010	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	7.8	7.7	7.7	7.8	7.9	7.9	7.9	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	8.0	7.9	8.0	8.0	8.0	8.1	8.1	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	160,849	154,365	176,205	163,676	178,962	165,910	38,176	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	NMR	NMR	1	NMR	1	NMR	1	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	NMR	NMR	0	NMR	0	NMR	0	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	NMR	NMR	1	NMR	1	NMR	1	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	NMR	NMR	0	NMR	0	NMR	0	ND	ND	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0029	0.0020	0.0019	0.0013	0.0013	0.0011	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0031	0.0026	0.0022	0.0029	0.0029	0.0025	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0078	0.0027	0.0025	0.0015	0.0035	0.0040	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0004	0.0005	0.0001	0.0001	0.0001	0.0000	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0058	0.0034	0.0052	0.0042	0.0043	0.0044	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0013	0.0015	0.0014	0.0010	0.0011	0.0015	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	1.35	1.80	1.20	1.30	1.63	1.00	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	ND	
<b>pH low</b>	≥6.0	ND	ND	ND	ND	6.6	7.2	7.1	7.0	6.9	7.2	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.5	7.3	7.6	7.7	7.6	7.2	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	419,676	620,720	509,479	267,449	342,041	45,765	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	ND	
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Myra Falls Operations												
OPERATOR NAME	Nyrstar Myra Falls Limited												
PRODUCT(S)	Copper-Zinc-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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0006	0.0008	0.0005	0.0007	0.0008	0.0007	0.0008	0.0008	0.0011	0.0007	0.0007	
<b>Cu</b> (mg/l)	0.3	0.0288	0.0129	0.0155	0.0121	0.0140	0.0326	0.0317	0.0326	0.0333	0.0327	0.0522	
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	
<b>Pb</b> (mg/l)	0.2	0.0052	0.0020	0.0026	0.0010	0.0064	0.0017	0.0037	0.0067	0.0035	0.0096	0.0102	
<b>Ni</b> (mg/l)	0.5	0.0016	0.0012	0.0010	0.0017	0.0020	0.0019	0.0013	0.0022	0.0029	0.0015	0.0028	
<b>Zn</b> (mg/l)	0.5	0.2122	0.1081	0.1380	0.1358	0.1277	0.2085	0.2964	0.3360	0.2440	0.3042	0.5283	
<b>TSS</b> (mg/l)	15	5.78	18.50	5.43	4.72	3.15	2.30	1.96	1.78	2.10	6.36	8.60	
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0050	NMR	NMR	0.0025	NMR	NMR	0.0050	NMR	0.0050	NMR	
<b>pH low</b>	≥6.0	9.0	9.1	8.5	8.8	8.8	8.7	8.7	8.9	9.0	8.8	9.0	
<b>pH high</b>	≤9.5	9.2	9.2	9.0	9.0	8.9	9.0	9.1	9.1	9.1	9.3	9.2	
<b>Flow</b> (m <sup>3</sup> /month)	—	949,610	775,338	1,103,821	948,574	917,709	868,639	818,055	767,682	722,343	1,409,739	1,276,408	
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	0.0100	-	-	0.0079	-	-	-	0.0019	-	-	-	0.0094
<b>Cu (mg/l)</b>	0.3	0.0016	NMR	NMR	0.0050	NMR	NMR	0.0370	NMR	NMR	NMR	NMR	0.0031
<b>CN (mg/l)</b>	1.0	NMR											
<b>Pb (mg/l)</b>	0.2	0.0003	NMR	NMR	0.0003	NMR	NMR	0.0022	NMR	NMR	NMR	NMR	0.0003
<b>Ni (mg/l)</b>	0.5	0.0130	NMR	NMR	0.0160	NMR	NMR	0.0100	NMR	NMR	NMR	NMR	0.0140
<b>Zn (mg/l)</b>	0.5	0.0650	0.0215	0.0333	0.0762	0.0513	0.0138	0.0300	0.0320	0.0186	0.0395	0.0323	0.1136
<b>TSS (mg/l)</b>	15	8.13	6.90	8.70	9.38	12.63	11.25	7.24	8.85	9.70	6.30	5.03	7.54
<b>Ra-226 (Bq/l)</b>	0.37	0.1595	0.2260	0.2568	0.1706	0.1660	0.1915	0.2280	0.1163	0.1728	0.1780	0.1450	0.1472
<b>pH low</b>	≥6.0	7.1	7.6	7.3	7.5	6.9	6.8	6.8	7.0	6.6	6.8	6.9	7.3
<b>pH high</b>	≤9.5	7.8	7.7	7.4	7.7	7.6	6.9	7.1	7.2	7.0	7.3	7.7	7.6
<b>Flow (m<sup>3</sup>/month)</b>	-	481,557	406,734	495,169	483,729	447,097	418,021	357,420	462,958	437,676	340,917	340,768	556,079
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	NMR	1
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	NMR	NMR	0
<b>Daphnia magna</b>	Pass	1	NMR	NMR	0	NMR	NMR	1	NMR	NMR	NMR	NMR	1
<b>Monitoring Test</b>	Foil	0	NMR	NMR	1	NMR	NMR	0	NMR	NMR	NMR	NMR	0

**Comments:** No arsenic test results were provided for the months of February, March, May, June, July, September, October and November. In order to be in reduced frequency for a parameter, the monthly mean values for that parameter must be <10% of the limit value for the 12 months leading up to the test.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **-:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Nugget Pond Mine																						
OPERATOR NAME	Rambler Metals and Mining Canada Ltd.																						
PRODUCT(S)	Gold																						
ADDRESS	P.O. Box 291, Baie Verte, Newfoundland and Labrador A0K 1B0																						
EFFLUENT DISCHARGE POINT	Polishing Pond Effluent																						
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.										
<b>As</b> (mg/l)	0.5	0.0019	0.0023	ND	0.0014	0.0009	0.0024	0.0024	ND	0.0024	0.0020	0.0013	0.0015										
<b>Cu</b> (mg/l)	0.3	0.0094	0.0127	ND	0.0062	0.0099	0.0070	0.0109	ND	0.0043	0.0052	0.0104	0.0083										
<b>CN</b> (mg/l)	1.0	0.0021	0.0022	ND	0.1667	0.0900	0.0731	0.0350	ND	0.0170	0.0532	0.0146	0.0134										
<b>Pb</b> (mg/l)	0.2	0.0007	0.0009	ND	0.0009	0.0010	0.0021	0.0018	ND	0.0006	0.0035	0.0030	0.0037										
<b>Ni</b> (mg/l)	0.5	0.0010	0.0010	ND	0.0013	0.0013	0.0010	0.0010	ND	0.0010	0.0010	0.0016	0.0023										
<b>Zn</b> (mg/l)	0.5	0.0155	0.0157	ND	0.0112	0.0309	0.0104	0.0299	ND	0.0072	0.0112	0.0428	0.0118										
<b>TSS</b> (mg/l)	15	0.67	1.08	ND	2.20	0.93	1.02	1.20	ND	0.50	3.40	1.28	2.70										
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0050	ND	0.0067	0.0050	0.0050	0.0050	ND	0.0050	0.0050	0.0050	0.0050										
<b>pH low</b>	≥6.0	7.0	7.3	ND	7.0	6.9	7.3	7.4	ND	7.6	7.5	7.4	7.0										
<b>pH high</b>	≤9.5	7.3	7.3	ND	7.4	7.3	7.6	7.5	ND	7.6	7.6	7.6	7.3										
<b>Flow</b> (m <sup>3</sup> /month)	—	63,900	102,063	ND	312,178	324,798	323,228	53,960	ND	35,500	133,125	506,650	266,250										
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	ND	1	1	1	1										
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	ND	0	0	0	0										
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	ND	1	1	1	1										
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	ND	0	0	0	0										
<b>Comments:</b>																							
<b>NOTES:</b>																							
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																							
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																							
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																							

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Nunavik Nickel (Project)												
OPERATOR NAME	Canadian Royalties Incorporated—Jien Canada Mining Limited												
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum-Palladium												
ADDRESS	Ungava Peninsula region, Quebec H3B 1X9												
EFFLUENT DISCHARGE POINT	Expo Final Effluent												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0005	0.0005	0.0005	0.0005	0.0005	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	0.0179	0.0370	0.0578	0.1635	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	0.0015	0.0015	0.0015	0.0015	0.0015	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	0.0003	0.0003	0.0003	0.0003	0.0003	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.4813	0.1408	0.2700	0.3350	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0035	0.0094	0.0035	0.0058	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	1.00	2.00	4.00	3.50	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	0.0084	0.0137	0.0200	0.0330	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	5.7	6.1	5.0	6.5	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	7.8	7.4	6.7	6.6	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	180,349	366,772	397,073	278,088	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	1	1	1	—	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	0	0	0	—	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	1	1	1	—	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	0	0	0	—	ND	ND	ND

**Comments:** No toxicity test results were provided for the month of October. The ownership of the facility was transferred from Canadian Royalties Incorporated to Jien Canada Mining Limited.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Nunavik Nickel (Project)																										
OPERATOR NAME	Canadian Royalties Incorporated—Jien Canada Mining Limited																										
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum-Palladium																										
ADDRESS	Ungava Peninsula region, Quebec H3B 1X9																										
EFFLUENT DISCHARGE POINT	Mésamax Final Effluent																										
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.														
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	0.0005	0.0005	ND	ND	ND														
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	0.0120	0.0670	ND	ND	ND														
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	0.0015	0.0015	ND	ND	ND														
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	0.0003	0.0003	ND	ND	ND														
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	0.1650	0.9500	ND	ND	ND														
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	0.0067	0.0035	ND	ND	ND														
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	1.00	1.00	ND	ND	ND														
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	0.0035	0.0020	ND	ND	ND														
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	6.3	6.6	ND	ND	ND														
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	6.7	6.6	ND	ND	ND														
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	73,756	23,282	ND	ND	ND														
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	1	—	ND	ND	ND														
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	0	—	ND	ND	ND														
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	1	—	ND	ND	ND														
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	0	—	ND	ND	ND														
<b>Comments:</b>	No toxicity test results were provided for the month of September. The ownership of the facility was transferred from Canadian Royalties Incorporated to Jien Canada Mining Limited.																										
<b>NOTES:</b>																											
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																											
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																											
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																											

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0069	0.0154	0.0120	ND	ND	0.0110	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0035	0.0035	0.0037	ND	ND	0.0033	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0010	0.0026	0.0010	ND	ND	0.0010	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0005	0.0005	0.0005	ND	ND	0.0003	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0078	0.0063	0.0045	ND	ND	0.0062	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0034	0.0026	0.0039	ND	ND	0.0015	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	4.63	1.70	3.80	ND	ND	14.20	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0050	0.0050	0.0050	ND	ND	0.0050	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	6.2	8.2	8.2	ND	ND	8.4	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	8.0	8.3	8.5	ND	ND	8.6	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	44,566	15,660	35,067	ND	ND	18,751	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	ND	ND	1	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	ND	ND	0	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	ND	ND	1	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	ND	ND	0	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Pine Cove Property												
OPERATOR NAME	Anaconda Mining Inc.												
PRODUCT(S)	Gold												
ADDRESS	Pine Cove Road, Pine Cove, Newfoundland and Labrador A0K 1B0												
EFFLUENT DISCHARGE POINT	Polishing Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	NMR	0.0005	NMR	0.0005	NMR	0.0005	0.0005	0.0005	0.0005	NMR	NMR
<b>Cu</b> (mg/l)	0.3	ND	NMR	0.0485	NMR	0.0080	NMR	0.0118	0.0108	0.0196	0.0280	NMR	NMR
<b>CN</b> (mg/l)	1.0	ND	0.0540	1.6000	0.6200	0.7320	0.1300	0.0357	0.0520	0.0825	0.0980	0.4900	0.0553
<b>Pb</b> (mg/l)	0.2	ND	NMR	0.0003	NMR	0.0007	NMR	0.0003	0.0024	0.0003	0.0003	NMR	NMR
<b>Ni</b> (mg/l)	0.5	ND	NMR	0.0010	NMR	0.0010	NMR	0.0010	0.0010	0.0010	0.0010	NMR	NMR
<b>Zn</b> (mg/l)	0.5	ND	NMR	0.0040	NMR	0.0025	NMR	0.0089	0.0068	0.0025	0.0091	NMR	NMR
<b>TSS</b> (mg/l)	15	ND	1.70	2.80	5.67	6.16	13.00	4.07	2.90	2.80	3.90	4.50	7.30
<b>Ra-226</b> (Bq/l)	0.37	ND	NMR	0.0140	NMR	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR
<b>pH low</b>	≥6.0	ND	7.8	7.9	7.5	7.9	7.9	7.9	7.9	8.1	8.0	8.0	7.9
<b>pH high</b>	≤9.5	ND	7.9	7.9	7.9	8.0	7.9	8.1	8.0	8.1	8.0	8.0	8.0
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	33,752	38,735	140,516	145,005	63,320	69,163	39,500	27,561	42,510	48,245	66,764
<b>Rainbow Trout</b>	Pass	ND	NMR	1	NMR	NMR	1	NMR	NMR	1	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	ND	NMR	0	NMR	NMR	0	NMR	NMR	0	0	NMR	NMR
<b>Daphnia magna</b>	Pass	ND	NMR	1	NMR	NMR	1	NMR	NMR	1	1	NMR	NMR
<b>Monitoring Test</b>	Fail	ND	NMR	0	NMR	NMR	0	NMR	NMR	0	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Podolsky Mine FNX Mining Company Incorporated—KGHM International Limited												
OPERATOR NAME	Copper-Nickel-Palladium-Platinum-Gold												
PRODUCT(S)	Box 340, Portelance Road, Capreol, Ontario P0M 1H0												
ADDRESS	Norman North Bog Outlet												
EFFLUENT DISCHARGE POINT	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0015	0.0017	0.0021	0.0006	0.0005	0.0013	0.0015	0.0022	0.0009	0.0008	0.0005	0.0006
<b>Cu</b> (mg/l)	0.3	0.0041	0.0049	0.0056	0.0061	0.0080	0.0061	0.0072	0.0061	0.0057	0.0061	0.0052	0.0058
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Ni</b> (mg/l)	0.5	0.1305	0.1305	0.0651	0.0663	0.0559	0.0720	0.0691	0.0643	0.0539	0.0724	0.1225	
<b>Zn</b> (mg/l)	0.5	0.0114	0.0151	0.0150	0.0075	0.0046	0.0048	0.0080	0.0075	0.0052	0.0044	0.0054	0.0091
<b>TSS</b> (mg/l)	15	0.40	0.40	0.40	0.40	0.40	0.40	1.59	0.53	0.51	0.48	0.36	0.51
<b>Ra-226</b> (Bq/l)	0.37	0.0070	NMR	NMR	0.0025	NMR	NMR	0.0070	NMR	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	7.8	7.6	8.0	7.0	8.0	7.4	7.4	7.5	7.5	6.6	6.8	6.5
<b>pH high</b>	≤9.5	8.5	8.4	8.2	8.4	8.2	8.2	8.2	8.1	8.1	7.8	8.0	7.6
<b>Flow</b> (m <sup>3</sup> /month)	—	15,732	6,851	8,212	58,466	40,207	7,080	15,678	18,972	18,098	58,344	23,095	7,854
<b>Rainbow Trout</b>	Pass	1	NMR	NMR									
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR									
<b>Daphnia magna</b>	Pass	1	NMR	NMR									
<b>Monitoring Test</b>	Fail	0	NMR	NMR									
<b>Comments:</b> The company name changed from FNX Mining Company Incorporated to KGHM International Limited.													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Porcupine Gold Mines (Dome Mine)																							
OPERATOR NAME	Goldcorp Canada Ltd. and Goldcorp Inc.																							
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0010	0.0018	0.0013	0.0013	0.0016	ND											
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	0.1362	0.0407	0.0411	0.0632	0.0710	ND											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	0.0773	0.0310	0.0358	0.0600	0.0280	ND											
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	0.0028	0.0033	0.0033	0.0033	0.0040	ND											
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0862	0.0602	0.0424	0.0403	0.0349	ND											
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0041	0.0024	0.0022	0.0013	0.0011	ND											
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	5.43	1.98	2.08	1.86	1.20	ND											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	NMR	0.0025	NMR	0.0025	NMR	ND											
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	6.7	7.1	7.0	6.7	6.8	ND											
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	7.8	7.9	7.7	7.2	6.8	ND											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	25,556	488,813	575,664	619,281	97,560	ND											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	1	1	ND											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	0	0	0	0	ND											
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	1	1	ND											
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	0	0	0	0	ND											
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Porcupine Gold Mines (Dome Mine)												
OPERATOR NAME	Goldcorp Canada Ltd. and Goldcorp Inc.												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0030	0.0034	0.0022	0.0061	0.0096	0.0046	0.0055	0.0079	0.0050	0.0045	0.0039	0.0040
<b>Cu</b> (mg/l)	0.3	0.0019	0.0030	0.0011	0.0019	0.0022	0.0020	0.0025	0.0158	0.0025	0.0024	0.0048	
<b>CN</b> (mg/l)	1.0	0.0032	0.0025	0.0025	0.0041	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
<b>Pb</b> (mg/l)	0.2	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040
<b>Ni</b> (mg/l)	0.5	0.0158	0.0159	0.0218	0.0207	0.0207	0.0206	0.0217	0.0206	0.0209	0.0213	0.0190	
<b>Zn</b> (mg/l)	0.5	0.0058	0.0178	0.0053	0.0080	0.0060	0.0072	0.0085	0.0077	0.0083	0.0079	0.0084	0.0079
<b>TSS</b> (mg/l)	15	1.4200	4.3500	2.0800	3.6500	4.7000	4.9800	4.8000	5.2500	21000	20000	41000	2.2800
<b>Ra-226</b> (Bq/l)	0.37	0.0025	NMR	NMR	0.0025	NMR	0.0025	0.0025	NMR	0.0025	NMR	NMR	NMR
<b>pH low</b>	≥6.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0	8.1	7.9	8.0	8.0	7.9
<b>pH high</b>	≤9.5	8.2	8.1	8.1	8.2	8.1	8.1	8.2	8.1	8.1	8.1	8.1	8.0
<b>Flow</b> (m <sup>3</sup> /month)	—	48,911	28,661	50,615	76,351	98,161	49,068	77,168	43,681	160,011	176,867	122,872	112,597
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Porcupine Gold Mines (Owl Creek Pit)																							
OPERATOR NAME	Goldcorp Canada Ltd. and Goldcorp Inc.																							
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0003	0.0018	ND	ND	0.0012	0.0017	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0709	0.0046	ND	ND	0.0071	0.0027	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0025	0.0025	ND	ND	ND	0.0025	0.0025	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0040	0.0040	ND	ND	ND	0.0028	0.0028	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0062	0.0061	ND	ND	ND	0.0082	0.0087	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0146	0.0125	ND	ND	ND	0.0155	0.0161	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	0.50	1.70	ND	ND	ND	2.03	1.63	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	NMR	0.0025	ND	ND	ND	0.0025	NMR	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	8.2	8.3	ND	ND	ND	8.1	8.1	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	8.2	8.3	ND	ND	ND	8.2	8.2	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	2,640	1,392	ND	ND	ND	67,293	134,813	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	—	ND	ND	ND	1	1	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	—	ND	ND	ND	0	0	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	—	ND	ND	ND	2	1	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	—	ND	ND	ND	0	0	ND
<b>Comments:</b>	No toxicity test results were provided for the month of June.												

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

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.2040	0.3075	0.3545	0.1920	0.0890	0.1853	ND	0.2600	0.1850	0.1187	0.1015	0.1089
<b>Cu</b> (mg/l)	0.3	0.0005	0.0010	0.0011	0.0017	0.0057	ND	0.0024	0.0027	0.0062	0.0015	0.0040	
<b>CN</b> (mg/l)	1.0	0.0025	0.0025	0.0025	0.0025	0.0025	ND	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
<b>Pb</b> (mg/l)	0.2	0.0040	0.0040	0.0040	0.0040	0.0040	ND	0.0022	0.0027	0.0034	0.0031	0.0033	
<b>Ni</b> (mg/l)	0.5	0.0506	0.0399	0.0376	0.0232	0.0161	0.0150	ND	0.0106	0.0201	0.0188	0.0229	0.0246
<b>Zn</b> (mg/l)	0.5	0.0030	0.0031	0.0038	0.0064	0.0082	0.0045	ND	0.0022	0.0030	0.0022	0.0025	0.0056
<b>TSS</b> (mg/l)	15	3.90	3.70	6.93	4.68	5.00	3.13	ND	1.95	2.04	2.58	3.15	1.96
<b>Ra-226</b> (Bq/l)	0.37	0.0025	NMR	NMR	0.0190	0.0025	NMR	ND	0.0025	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	7.4	7.0	7.2	7.2	2.8	8.2	ND	8.5	7.9	7.9	7.9	7.5
<b>pH high</b>	≤9.5	7.5	7.4	7.3	7.4	8.9	9.3	ND	8.9	8.1	8.1	8.0	7.9
<b>Flow</b> (m <sup>3</sup> /month)	—	2,137	454	1,484	13,280	78,159	18,218	ND	20,188	21,294	49,980	20,288	11,296
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	ND	1	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	ND	0	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	ND	1	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	ND	0	NMR	0	NMR	NMR
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

EFFLUENT DISCHARGE POINT Station 2.3.3													
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0069	0.0086	0.0062	0.0085	0.0059	0.0028	0.0024	0.0022	0.0061	0.0053	0.0065	0.0062
<b>Cu</b> (mg/l)	0.3	0.0105	0.0040	0.0055	0.0084	0.0054	0.0024	0.0017	0.0013	0.0029	0.0030	0.0022	0.0021
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0004	0.0003	0.0002	0.0005	0.0004	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	0.0375	0.0268	0.0107	0.0200	0.0473	0.0156	0.0195	0.0108	0.0128	0.0125	0.0089	0.0052
<b>Zn</b> (mg/l)	0.5	0.0018	0.0008	0.0008	0.0016	0.0018	0.0011	0.0009	0.0008	0.0008	0.0012	0.0009	0.0006
<b>TSS</b> (mg/l)	15	2.00	2.25	2.10	0.88	2.50	1.10	0.88	0.50	0.60	0.63	1.13	0.90
<b>Ra-226</b> (Bq/l)	0.37	0.0148	0.0150	0.0136	0.0041	0.0113	0.0106	0.0059	0.0025	0.0034	0.0121	0.0061	0.0052
<b>pH low</b>	≥6.0	7.2	7.2	7.2	7.3	7.0	7.2	6.9	7.1	7.0	7.1	7.2	
<b>pH high</b>	≤9.5	7.5	7.4	7.5	7.4	7.5	7.3	7.3	7.5	7.5	7.3	7.3	7.4
<b>Flow</b> (m <sup>3</sup> /month)	—	338,496	312,529	328,451	329,702	365,870	394,598	400,962	385,605	388,080	393,100	331,444	327,881
<b>Rainbow Trout</b>	Pass	1	NMR	NMR									
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR									
<b>Daphnia magna</b>	Pass	1	NMR	NMR									
<b>Monitoring Test</b>	Fail	0	NMR	NMR									
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Raglan (Mine)												
OPERATOR NAME	Glencore Canada Corporation												
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum-Palladium												
ADDRESS	120 Avenue de l'Aéroport, Rouyn-Noranda, Québec J9Y 0G1												
EFFLUENT DISCHARGE POINT	DIR-HSA												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Raglan (Mine)												
OPERATOR NAME	Glencore Canada Corporation												
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum-Palladium												
ADDRESS	120 Avenue de l'Aéroport, Rouyn-Noranda, Québec J9Y 0G1												
EFFLUENT DISCHARGE POINT	DIR-SPOON												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0003	0.0003	0.0003	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	0.0119	0.0083	0.0139	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	NMR	NMR	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	0.0002	0.0003	0.0002	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	0.1288	0.1389	0.2338	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	0.0005	0.0028	0.0008	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	0.75	1.50	1.75	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	0.0010	NMR	NMR	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	6.5	6.8	7.2	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	6.6	7.6	7.9	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	53,377	104,671	79,240	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	0	0	0	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	1	1	1	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	0	0	0	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality   — : No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Raglan (Mine)												
OPERATOR NAME	Glencore Canada Corporation												
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum-Palladium												
ADDRESS	120 Avenue de l'Aéroport, Rouyn-Noranda, Québec J9Y 0G1												
EFFLUENT DISCHARGE POINT	DIR-UT												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0040	0.0030	0.0026	0.0034	0.0045	ND	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0020	0.0024	0.0027	0.0011	0.0013	ND	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	ND	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0005	0.0002	0.0006	0.0007	0.0002	ND	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.1291	0.1393	0.2190	0.1863	0.1517	ND	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0006	0.0009	0.0007	0.0008	0.0007	ND	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	1.63	1.63	1.40	1.88	2.67	ND	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0010	0.0010	NMR	NMR	0.0070	ND	ND	
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.5	6.9	6.3	7.3	8.8	ND	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	ND	8.5	8.5	8.5	8.9	9.0	ND	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	65,332	97,969	92,842	110,851	76,211	ND	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	ND	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	ND	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	ND	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	ND	ND	
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0055	0.0008	0.0015	0.0020	0.0027	0.0026	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0025	0.0288	0.0019	0.0020	0.0015	0.0006	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	NMR	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0002	0.0003	0.0003	0.0009	0.0002	0.0014	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.1922	0.1145	0.2330	0.3244	0.2948	0.2981	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0017	0.0009	0.0026	0.0015	0.0016	0.0020	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	1.00	0.88	0.70	0.88	1.88	0.50	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0010	0.0010	NMR	NMR	0.0030	NMR	ND	
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.5	7.4	7.6	7.8	7.8	7.9	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	ND	8.2	8.3	8.2	8.4	8.2	8.1	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	72,306	264,611	279,139	199,200	194,566	124,675	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	ND	
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Red Chris Mine												
OPERATOR NAME	Red Chris Development Company Limited												
PRODUCT(S)	Copper												
ADDRESS	25 km SE of Iskut, British Columbia												
EFFLUENT DISCHARGE POINT	North Reclam Dam Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	0.0016	0.0006	0.0011	0.0015	0.0012	0.0012	0.0391	0.0006	0.0008	
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0027	0.0011	0.0007	0.0011	0.0006	0.0009	0.0008	0.0003	0.1395	
<b>CN</b> (mg/l)	1.0	ND	ND	0.0025	0.0025	0.0076	NMR	NMR	NMR	0.0025	NMR	NMR	
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0108	
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0036	0.0013	0.0004	0.0009	0.0003	0.0009	0.0007	0.0003	0.0011	
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0059	0.0015	0.0015	0.0024	0.0015	0.0036	0.0023	0.0015	0.0066	
<b>TSS</b> (mg/l)	15	ND	ND	31.20	3.05	3.00	5.38	3.00	6.80	3.00	3.00	3.00	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0020	0.0054	0.0048	0.0047	0.0045	0.0050	0.0066	0.0048	0.0059	
<b>pH low</b>	≥6.0	ND	ND	8.4	8.3	8.1	8.3	8.2	7.6	8.2	8.0	7.9	
<b>pH high</b>	≤9.5	ND	ND	8.4	8.3	8.4	8.4	8.2	8.1	8.3	8.2	8.2	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	22,392	127,631	684	149,520	167,410	208,245	70,630	137,985	158,963	
<b>Rainbow Trout</b>	Pass	ND	ND	—	1	—	1	1	—	—	1	—	
<b>Acute Lethality Test</b>	Fail	ND	ND	—	0	—	0	0	—	—	0	—	
<b>Daphnia magna</b>	Pass	ND	ND	—	1	—	1	1	—	—	1	—	
<b>Monitoring Test</b>	Fail	ND	ND	—	0	—	0	0	—	—	0	—	

**Comments:** This mine became subject to MMER in October 2013. No toxicity test results were provided for April, June, September, October and December.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Red Lake Mine												
OPERATOR NAME	Goldcorp Canada Limited												
PRODUCT(S)	Gold												
ADDRESS	General Delivery, Balmertown, Ontario P0V 1C0												
EFFLUENT DISCHARGE POINT	G1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Red Lake Mine												
OPERATOR NAME	Goldcorp Canada Limited												
PRODUCT(S)	Gold												
ADDRESS	General Delivery, Balmertown, Ontario P0V 1C0												
EFFLUENT DISCHARGE POINT	G2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0239	0.0459	0.0402	0.0407	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	0.0015	0.0017	0.0015	0.0016	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	0.0047	0.0069	0.0070	0.0068	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	0.0000	0.0000	0.0000	0.0000	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0122	0.0108	0.0091	0.0092	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	0.0033	0.0020	0.0020	0.0021	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	4.48	5.90	6.23	8.33	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	0.0050	0.0050	0.0050	0.0050	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	6.3	6.5	6.3	6.3	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	6.7	6.7	6.6	7.4	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	119,580	121,020	165,330	77,640	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	1	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	0	0	0	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	1	1	1	1	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	0	0	0	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Red Lake Mine												
OPERATOR NAME	Goldcorp Canada Limited												
PRODUCT(S)	Gold												
ADDRESS	General Delivery, Balmertown, Ontario P0V 1C0												
EFFLUENT DISCHARGE POINT	Shaft 3 Mine Water Settling Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Redstone Mine												
OPERATOR NAME	Northern Sun Mining Corp.												
PRODUCT(S)	Nickel												
ADDRESS	P.O. Box 398, South Porcupine, Ontario PON 1HO												
EFFLUENT DISCHARGE POINT	RSD-2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0009	0.0010	0.0006
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0013	0.0008	0.0005
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0002	0.0001	0.0001
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0166	0.0080	0.0023
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0010	0.0010	0.0018
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	2.00
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	0.0025
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.1	8.1	8.4
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.2	8.3	8.5
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,970	1,284	15,205
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1	1
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1	1
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	0	0

**Comments:** No radium 226 results were provided for the months of October and December.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Fail:** >50% Mortality   **Pass:** ≤50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Restigouche Mine												
OPERATOR NAME	Blue Note Mining Inc./Province of New Brunswick												
PRODUCT(S)	Zinc-Lead-Copper-Silver												
ADDRESS	9361 Route 180, P.O. Box 26, Bathurst, New Brunswick E2A 3Z1												
EFFLUENT DISCHARGE POINT	Mixing Structure Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	
<b>Comments:</b>	No effluent data were reported in 2014.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Rice Lake Gold Mine												
OPERATOR NAME	San Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	63 San Antonio Road, Bissett, Manitoba ROE OVO												
EFFLUENT DISCHARGE POINT	FDP1—End of Pipe												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	0.0025	—	—	0.0025	—	—	0.0025	—	—	0.0025	—	—
<b>Cu (mg/l)</b>	0.3	0.0200	—	—	0.0550	—	—	0.0280	—	—	0.0420	—	—
<b>CN (mg/l)</b>	1.0	0.0025	—	—	0.0025	—	—	0.0025	—	—	0.0025	—	—
<b>Pb (mg/l)</b>	0.2	0.0015	—	—	0.0015	—	—	0.0015	—	—	0.0015	—	—
<b>Ni (mg/l)</b>	0.5	0.0005	—	—	0.0070	—	—	0.0005	—	—	0.0090	—	—
<b>Zn (mg/l)</b>	0.5	0.0005	—	—	0.0280	—	—	0.0130	—	—	0.0005	—	—
<b>TSS (mg/l)</b>	15	2.48	2.75	4.50	4.36	5.10	5.15	6.16	8.05	10.35	4.96	5.00	5.20
<b>Ra-226 (Bq/l)</b>	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	7.1	7.2	7.2	7.3	7.4	7.4	7.3	6.6	6.7	7.3	7.2	7.2
<b>pH high</b>	≤9.5	7.5	7.3	7.4	7.6	7.6	7.5	8.1	7.3	7.6	7.8	7.7	7.4
<b>Flow (m<sup>3</sup>/month)</b>	—	471,640	503,042	503,615	640,268	654,729	673,108	769,805	827,222	791,541	706,736	546,372	495,758
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	—	1	—	—	1	—	1	1	—	—	—
<b>Monitoring Test</b>	Fail	0	—	0	0	—	—	0	—	0	0	—	—

**Comments:** This mine became subject to MMER in January 2014. No test results for arsenic, copper, cyanide, lead, nickel and zinc were provided for the months of February, March, May, June, August, September, November and December. No radium 226 results were provided for the year. No test results for *Daphnia magna* monitoring were provided for the months of February, May, June, August, November and December.

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	RioTinto Alcan Vaudreuil Refinery												
OPERATOR NAME	RioTinto Alcan												
PRODUCT(S)	Alumina												
ADDRESS	1955 Mellon Boulevard, Jonquière, Québec G7S 4L2												
EFFLUENT DISCHARGE POINT	Effluent-C												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	0.0025	—	—	0.0025	—	—	0.0025	—	—	0.0025	—	—
<b>Cu (mg/l)</b>	0.3	0.0150	—	—	0.0410	—	—	0.0240	—	—	0.0290	—	—
<b>CN (mg/l)</b>	1.0	0.0100	0.0030	0.0130	0.0100	0.0100	0.0110	0.0090	0.0100	0.0110	0.0140	0.0170	—
<b>Pb (mg/l)</b>	0.2	0.0015	—	—	0.0015	—	—	0.0050	—	—	0.0015	—	—
<b>Ni (mg/l)</b>	0.5	0.0005	—	—	0.0005	—	—	0.0005	—	—	0.0040	—	—
<b>Zn (mg/l)</b>	0.5	0.0005	—	—	0.0090	—	—	0.0160	—	—	0.0010	—	—
<b>TSS (mg/l)</b>	15	1.42	0.50	1.08	6.06	5.85	3.25	4.60	2.13	2.40	1.36	1.88	1.56
<b>Ra-226 (Bq/l)</b>	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	7.2	7.2	7.2	7.3	7.3	7.2	7.1	7.0	7.0	7.5	7.3	7.4
<b>pH high</b>	≤9.5	7.6	7.3	7.3	7.8	7.6	7.4	7.5	7.2	7.6	7.8	7.8	7.6
<b>Flow (m<sup>3</sup>/month)</b>	—	389,131	276,796	325,580	435,607	426,531	460,772	567,101	612,647	538,991	530,218	410,689	328,423
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	—	0	1	—	1	1	—	1	1	—	—
<b>Monitoring Test</b>	Fail	2	—	1	0	—	0	0	—	0	0	—	—

**Comments:** This mine became subject to MMER in January 2014. No test results for arsenic, copper, lead, nickel and zinc were provided for the months of February, March, May, June, August, September, November and December. No radium 226 results were provided for the year. No test results for *Daphnia magna* monitoring were provided for the months of February, May, August, November and December.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Sanloy 7 Mine												
OPERATOR NAME	Claude Resources Incorporated												
PRODUCT(S)	Gold												
ADDRESS	219 Robin Crescent, Saskatoon, Saskatchewan S7L 6M8												
EFFLUENT DISCHARGE POINT	Sanloy 7 Settling Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>TSS</b> (mg/l)	15	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>pH low</b>	≥6.0	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>pH high</b>	≤9.5	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Daphnia magna</b>	Pass	ND	ND	ND	—	—	—	—	—	—	—	—	
<b>Monitoring Test</b>	Fail	ND	ND	ND	—	—	—	—	—	—	—	—	

**Comments:** As of December, 2013, the mine received "Recognized Closed Mine Status". No annual report was submitted for 2014. This data has been compiled from the submitted quarterly reports.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Santoy 8 Mine												
OPERATOR NAME	Claude Resources Incorporated												
PRODUCT(S)	Gold												
ADDRESS	219 Robin Crescent, Saskatoon, Saskatchewan S7L 6M8												
EFFLUENT DISCHARGE POINT	S8SP Final Discharge Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0004	ND	0.0004	0.0021	0.0003	0.0003	0.0003	0.0003
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0021	ND	0.0022	0.0047	0.0016	0.0019	0.0017	0.0017
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0065	ND	0.0037	0.0005	0.0018	0.0052	0.0075	0.0075
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0001	ND	0.0001	0.0009	0.0001	0.0006	0.0004	0.0004
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0031	ND	0.0032	0.0010	0.0029	0.0032	0.0037	0.0037
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0030	ND	0.0020	0.0170	0.0017	0.0026	0.0025	0.0025
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	1.63	ND	1.17	3.20	1.00	4.60	2.00	2.00
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0125	ND	0.0087	NMR	0.0175	0.0154	0.0200	0.0200
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.3	ND	7.2	7.4	7.6	6.9	7.1	7.1
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.8	ND	7.5	7.5	7.7	7.7	7.2	7.2
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	21,922	ND	28,036	246,355	3,006	5,916	3,113	3,113
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	ND	1	NMR	1	1	1	1
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	ND	0	NMR	0	0	0	0
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	ND	1	NMR	1	1	1	1
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	ND	0	NMR	0	0	0	0
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Scoia Mine (also known as ScoZinc Project)												
OPERATOR NAME	Selwyn Resources Limited												
PRODUCT(S)	Zinc-Lead												
ADDRESS	15601 Highway 224, Cooks Brook, Nova Scotia B0N 2H0												
EFFLUENT DISCHARGE POINT	Polishing Pond Outlet												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0003	0.0003	0.0003	0.0026	0.0022	0.0019	0.0025	—	0.0021	0.0016	0.0012	0.00030
<b>Cu</b> (mg/l)	0.3	0.0039	0.0005	0.0005	0.0065	0.0094	0.0064	0.0048	—	0.0047	0.0045	0.0026	0.0026
<b>CN</b> (mg/l)	1.0	0.0005	0.0025	0.0005	0.0005	0.0011	0.0010	0.0012	—	0.0005	0.0019	0.0005	0.0010
<b>Pb</b> (mg/l)	0.2	0.0009	0.0005	0.0005	0.0040	0.0019	0.0011	0.0012	—	0.0009	0.0018	0.0017	0.0065
<b>Ni</b> (mg/l)	0.5	0.0006	0.0003	0.0003	0.0009	0.0009	0.0008	0.0010	—	0.0010	0.0010	0.0010	0.0010
<b>Zn</b> (mg/l)	0.5	0.0156	0.0200	0.0276	0.0686	0.0598	0.0228	0.0156	0.0140	0.0170	0.0265	0.0360	0.0878
<b>TSS</b> (mg/l)	15	1.90	1.23	1.65	3.16	2.75	1.70	1.88	1.10	3.20	2.50	1.50	2.68
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	NMR	0.0050	NMR	0.0050
<b>pH low</b>	≥6.0	6.0	6.2	6.4	6.3	7.5	7.6	7.5	7.8	7.4	7.4	6.8	6.9
<b>pH high</b>	≤9.5	6.5	6.6	6.8	7.5	7.6	7.7	7.8	8.0	7.5	7.7	7.4	7.3
<b>Flow</b> (m <sup>3</sup> /month)	—	1,943,300	696,493	839,069	1,909,531	205,940	109,610	45,215	42	246,355	700,664	2,002,816	3,668,658
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	NMR	0	NMR	NMR	NMR	0
<b>Daphnia magna</b>	Pass	1	NMR	NMR	NMR	1	NMR	NMR	1	NMR	NMR	NMR	1
<b>Monitoring Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	NMR	0	NMR	NMR	NMR	0
<b>Comments:</b>	No test results for arsenic, copper, cyanide, lead and nickel were provided for the month of August.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Fail:</b> >50% Mortality <b>Pass:</b> ≤50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Seabee Gold Mine												
OPERATOR NAME	Claude Resources Incorporated												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 1230, La Ronge, Saskatchewan S0J 1J0												
EFFLUENT DISCHARGE POINT	Final Discharge Point 1.2												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0001	0.0002	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002
<b>Cu</b> (mg/l)	0.3	0.0075	0.0086	0.0090	0.0150	0.0360	0.0190	0.0150	0.0110	0.0120	0.0100	0.0120	0.0130
<b>CN</b> (mg/l)	1.0	0.0240	0.0030	0.0005	0.0040	0.0040	0.0005	0.0005	0.0020	0.0010	0.0060	0.0060	0.0010
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0004	0.0004	0.0002	0.0003	0.0003	0.0004	0.0009	0.0009	0.0009
<b>Ni</b> (mg/l)	0.5	0.0290	0.0300	0.0380	0.0220	0.0310	0.0320	0.0330	0.0300	0.0300	0.0440	0.0560	0.0280
<b>Zn</b> (mg/l)	0.5	0.0200	0.0100	0.0093	0.0066	0.0110	0.0076	0.0057	0.0069	0.0073	0.0096	0.0250	0.0120
<b>TSS</b> (mg/l)	15	7.00	6.75	7.00	6.40	4.38	6.75	5.00	4.00	5.20	4.75	8.75	9.40
<b>Ra-226</b> (Bq/l)	0.37	0.0025	0.0100	0.0025	0.0090	0.0100	0.0090	0.0025	0.0025	0.0090	0.0025	0.0025	0.0060
<b>pH low</b>	≥6.0	7.6	7.6	7.6	7.7	7.6	7.6	7.5	7.5	7.7	7.6	7.6	7.6
<b>pH high</b>	≤9.5	7.9	7.9	7.8	7.8	7.9	8.0	7.9	7.9	7.8	7.7	7.7	7.9
<b>Flow</b> (m <sup>3</sup> /month)	—	62,898	49,348	52,925	47,639	53,633	66,178	66,830	65,379	63,562	64,338	63,345	60,861
<b>Rainbow Trout</b>	Pass	1	NMR	NMR									
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR									
<b>Daphnia magna</b>	Pass	1	NMR	NMR	0	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	1	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Seabee Gold Mine												
OPERATOR NAME	Claude Resources Incorporated												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 1230, La Ronge, Saskatchewan S0J 1J0												
EFFLUENT DISCHARGE POINT	Final Discharge Point 1.3												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Seabee Gold Mine												
OPERATOR NAME	Claude Resources Incorporated												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 1230, La Ronge, Saskatchewan S0J 1L0												
EFFLUENT DISCHARGE POINT	Final Discharge Point 1.5												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0008	0.0007	0.0006	0.0006	ND	ND	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0263	0.0190	0.0155	0.0187	ND	ND	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0043	0.0065	0.0073	0.0077	ND	ND	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0002	0.0002	0.0001	0.0002	ND	ND	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0127	0.0113	0.0113	0.0130	ND	ND	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0027	0.0020	0.0019	0.0018	ND	ND	ND	
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	2.00	1.38	1.38	0.67	ND	ND	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0080	0.0055	0.0038	0.0037	ND	ND	ND	
<b>pH low</b>	≥6.0	ND	ND	ND	ND	6.9	6.9	7.1	7.3	ND	ND	ND	
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.2	7.1	7.2	7.5	ND	ND	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	8,114	27,588	27,938	13,736	ND	ND	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	1	ND	ND	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	ND	ND	ND	
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	1	ND	ND	ND	
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	ND	ND	ND	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0005	—	ND	ND	0.0005	0.0005	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0372	—	ND	ND	0.0422	0.0166	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	NMR	—	ND	ND	NMR	NMR	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0008	—	ND	ND	ND	0.0005	0.0005	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.5905	—	ND	ND	ND	0.6080	0.4640	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0089	—	ND	ND	ND	0.0082	0.0005	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	1.80	—	ND	ND	ND	1.70	0.35	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0031	—	ND	ND	ND	0.0025	0.0025	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	7.1	—	ND	ND	ND	7.5	7.8	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.8	—	ND	ND	ND	7.5	7.8	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	47,136	1,105	ND	ND	ND	53,280	37,080	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	—	ND	ND	ND	1	1	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	—	ND	ND	ND	0	0	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	—	ND	ND	ND	1	1	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	—	ND	ND	ND	0	0	ND

**Comments:** No annual report was submitted for 2014. This data has been compiled from the submitted quarterly reports. Only flow was reported for the month of June.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Fail:** >50% Mortality    **Pass:** ≤50% Mortality    **— :** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Sigma (Mine)												
OPERATOR NAME	Century Mining Corporation//Integra Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	300 3rd Avenue, Val-d'Or, Quebec J9P 4N9												
EFFLUENT DISCHARGE POINT	Final Effluent [EFF]												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0006	0.0010	0.0008	0.0011	0.0016	0.0004	0.0005		
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0023	0.0018	0.0030	0.0024	0.0023	0.0076	0.0035	0.0028	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.0132	0.0035	0.0054	0.0100	0.0166	0.0318	0.0285	0.0489	
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0002	0.0002	0.0008	0.0018	0.0008	0.0003	0.0002	0.0002	
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0020	0.0033	0.0030	0.0029	0.0027	0.0544	0.0047	0.0210	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0005	0.0013	0.0021	0.0018	0.0009	0.0017	0.0078	0.0048	
<b>TSS</b> (mg/l)	15	ND	ND	ND	1.67	1.63	7.00	4.00	7.25	7.80	3.00	3.90	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0025	0.0010	0.0010	0.0010	0.0010	0.0013	0.0010	NMR	
<b>pH low</b>	≥6.0	ND	ND	ND	7.3	7.5	7.5	7.6	7.6	7.5	7.4	7.2	
<b>pH high</b>	≤9.5	ND	ND	ND	7.5	7.7	7.7	7.8	7.9	7.9	7.9	7.6	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	235,843	305,194	149,232	144,922	156,589	166,328	228,339	231,240	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	0	
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	0	

**Comments:** As of October, 2014, the ownership of the facility was transferred from Century Mining Corporation to Integra Gold Corporation.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required

**Highly highlighted data indicate that a monthly effluent quality standard was exceeded for that month.**

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	0.0020	0.0025	0.0023	0.0014	0.0015	0.0009	0.0011	ND	ND	
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0380	0.0798	0.0620	0.0236	0.0125	0.0100	0.0208	ND	ND	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR	NMR	NMR	NMR	NMR	NMR	ND	ND	
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0100	0.0125	0.0100	0.0100	0.0100	0.0100	0.0100	ND	ND	
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	ND	ND	
<b>Zn</b> (mg/l)	0.5	ND	ND	0.2950	0.4130	0.4013	0.2558	0.1578	0.1654	0.3130	ND	ND	
<b>TSS</b> (mg/l)	15	ND	ND	2.50	2.11	1.88	2.62	1.60	1.83	2.31	ND	ND	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0200	0.0200	NMR	0.0200	NMR	0.0070	0.0080	ND	ND	
<b>pH low</b>	≥6.0	ND	ND	7.4	6.8	6.9	7.6	7.7	7.6	7.7	ND	ND	
<b>pH high</b>	≤9.5	ND	ND	7.4	8.6	7.5	8.2	8.1	8.3	8.2	ND	ND	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	107,521	1,111,048	1,420,296	739,829	523,866	17,805	18,714	ND	ND	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	-	-	1	1	ND	ND	
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	-	0	0	0	ND	ND	
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	-	1	1	1	ND	ND	
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	-	0	0	0	ND	ND	
<b>Comments:</b>	No toxicity test results were provided for the month of August.												

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Snow Lake Mine												
OPERATOR NAME	QMX Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 451, 114 Cedar Street, Snow Lake, Manitoba ROB 1M0												
EFFLUENT DISCHARGE POINT	SWWA-02												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	0.0166	0.0079	ND	0.0071	0.0079
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	0.0099	0.0070	ND	0.0073	0.0069
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	0.0010	0.0010	ND	0.0010	0.0010
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	0.0000	0.0000	ND	0.0002	0.0000
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	0.0015	0.0010	ND	0.0006	0.0009
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	0.0005	0.0011	ND	0.0063	0.0005
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	3.50	2.25	ND	3.00	2.60
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	0.0050	0.0050	ND	0.0103	0.0050
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	7.5	6.8	ND	7.0	7.3
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	7.5	7.5	ND	7.8	7.3
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	158	33	ND	29	4
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	ND	1	—
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	ND	0	—
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	ND	1	—
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	ND	0	—

**Comments:** This was registered as a final discharge point in July, 2014. No toxicity test results were provided for the months of July, August, and November.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Snow Lake Mine												
OPERATOR NAME	QMX Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 451, 114 Cedar Street, Snow Lake, Manitoba ROB 1M0												
EFFLUENT DISCHARGE POINT	SWW-M03 (Birch Lake Outlet Embankment Decant Discharge)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4054	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	0.0026	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	0.0030	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	0.0000	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.0058	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.0007	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	2.33	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	0.0357	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	423,377	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	0.0597	0.0563	0.0581	0.0593	0.0502	ND
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	0.0070	0.0067	0.0071	0.0074	0.0062	ND
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	0.0010	0.0010	0.0010	0.0010	0.0010	ND
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	0.0000	0.0000	0.0000	0.0002	0.0000	ND
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	0.0006	0.0006	0.0007	0.0027	0.0007	ND
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	0.0005	0.0013	0.0011	0.0061	0.0005	ND
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	1.00	1.63	1.00	3.00	1.00	ND
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	0.0050	0.0308	0.0066	0.0093	0.0170	ND
<b>pH low</b>	≥6.0	—	—	—	—	—	—	7.1	6.6	6.5	7.0	7.4	ND
<b>pH high</b>	≤9.5	—	—	—	—	—	—	7.1	7.0	7.1	7.7	7.4	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	133	164	88	126	10	ND
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	1	1	—	ND
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	0	0	—	ND
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	1	1	—	ND
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	0	0	—	ND

**Comments:** This was registered as a final discharge point in July, 2014. No toxicity test results were provided for the months of July, August, and November.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As (mg/l)</b>	0.5	0.0017	0.0016	0.0012	0.0027	0.0029	0.0044	0.0056	0.0041	0.0038	0.0028	0.0026	0.0023
<b>Cu (mg/l)</b>	0.3	0.0021	0.0023	0.0053	0.0042	0.0037	0.0025	0.0017	0.0046	0.0067	0.0027	0.0027	0.0032
<b>CN (mg/l)</b>	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb (mg/l)</b>	0.2	0.0001	0.0001	0.0004	0.0001	0.0002	0.0002	0.0023	0.0015	0.0028	0.0006	0.0003	
<b>Ni (mg/l)</b>	0.5	0.0583	0.0494	0.0544	0.0595	0.0378	0.0270	0.0242	0.0384	0.0516	0.0669	0.0559	
<b>Zn (mg/l)</b>	0.5	0.0115	0.0009	0.0013	0.0026	0.0025	0.0013	0.0036	0.0020	0.0097	0.0052	0.0041	0.0042
<b>TSS (mg/l)</b>	15	0.66	0.50	0.59	2.70	0.70	1.62	3.17	0.74	0.21	0.27	0.46	0.84
<b>Ra-226 (Bq/l)</b>	0.37	0.0050	0.0050	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	NMR
<b>pH low</b>	≥6.0	6.6	6.8	6.8	6.8	6.8	6.9	6.9	6.5	6.9	6.8	6.8	6.7
<b>pH high</b>	≤9.5	6.8	7.1	7.0	7.1	7.2	7.1	7.2	6.9	7.2	7.0	7.1	6.9
<b>Flow (m<sup>3</sup>/month)</b>	—	419,253	433,711	533,628	1,612,471	1,483,746	984,692	444,801	782,602	1,404,224	1,708,759	1,269,644	1,196,344
<b>Rainbow Trout</b>	Pass	1	—	—	1	—	—	1	—	—	1	1	—
<b>Acute Lethality Test</b>	Fail	0	—	—	0	—	—	0	—	—	0	0	—
<b>Daphnia magna</b>	Pass	1	—	—	1	—	—	1	—	—	1	1	—
<b>Monitoring Test</b>	Fail	0	—	—	0	—	—	0	—	—	0	0	—

**Comments:** No toxicity test results were submitted for the months of February, March, May, June, August, September, and December. In order to reduce frequency of testing for acute lethality, 12 consecutive tests must be conducted successfully.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Sudbury Integrated Nickel Operations—Strathcona												
OPERATOR NAME	Glencore Canada Corporation												
PRODUCT(S)	Nickel-Copper-Cobalt-Platinum-Palladium												
ADDRESS	Onaping, Ontario P0M 2R0												
EFFLUENT DISCHARGE POINT	Fecunis RR Bridge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0010	0.0011	0.0013	0.0005	0.0004	0.0018	0.0005	0.0010	0.0005	0.0041	0.0013	0.0008
<b>Cu</b> (mg/l)	0.3	0.0028	0.0039	0.0030	0.0285	0.0138	0.0208	0.0104	0.0095	0.0125	0.0400	0.0273	0.0107
<b>CN</b> (mg/l)	1.0	0.0005	0.0005	0.0005	0.0005	0.0005	0.0008	0.0008	0.0008	0.0005	0.0005	0.0006	0.0008
<b>Pb</b> (mg/l)	0.2	0.0001	0.0002	0.0003	0.0009	0.0137	0.0005	0.0005	0.0009	0.0009	0.0242	0.0031	0.0044
<b>Ni</b> (mg/l)	0.5	0.0650	0.0773	0.0681	0.1163	0.0539	0.0272	0.0394	0.0344	0.0357	0.0657	0.0628	0.1015
<b>Zn</b> (mg/l)	0.5	0.0018	0.0072	0.0037	0.0076	0.0033	0.0038	0.0104	0.0029	0.0023	0.0048	0.0030	0.0053
<b>TSS</b> (mg/l)	15	3.90	0.21	0.31	0.74	14.80	0.44	0.47	1.34	0.54	0.32	0.20	0.34
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0025	NMR	0.0025	NMR	NMR	0.0025	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.3	7.2	7.5	6.8	7.0	7.2	7.1	6.9	6.8	7.4	7.3	7.5
<b>pH high</b>	≤9.5	7.6	7.7	7.7	7.8	7.8	7.6	7.5	7.6	7.5	7.6	7.7	7.6
<b>Flow</b> (m <sup>3</sup> /month)	—	1,488,713	1,449,572	1,764,715	2,631,751	4,394,057	970,574	861,119	775,569	2,281,725	4,012,839	3,622,279	2,925,770
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	NMR	1	NMR	1	NMR	1	NMR	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	NMR	0	NMR	0	NMR	0	NMR	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 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 ROE 1A0												
EFFLUENT DISCHARGE POINT	West Discharge (Compliance Point)												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0069	0.0059	0.0078	0.0083	0.0044	0.0070	NMR	0.0119	NMR	0.0051	NMR	NMR
<b>Cu</b> (mg/l)	0.3	0.0013	0.0016	0.0007	0.0007	0.0007	0.0010	NMR	0.0005	NMR	0.0007	NMR	NMR
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR									
<b>Pb</b> (mg/l)	0.2	0.0001	0.0000	0.0000	0.0001	0.0001	0.0001	NMR	0.0000	NMR	0.0001	NMR	NMR
<b>Ni</b> (mg/l)	0.5	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	NMR	0.0010	NMR	0.0010	NMR	NMR
<b>Zn</b> (mg/l)	0.5	0.0029	0.0034	0.0038	0.0024	0.0025	0.0058	NMR	0.0039	NMR	0.0030	NMR	NMR
<b>TSS</b> (mg/l)	15	2.40	2.15	2.60	3.22	6.80	11.33	14.86	10.03	10.20	9.19	4.40	2.25
<b>Ra-226</b> (Bq/l)	0.37	0.0025	0.0050	0.0023	0.0050	0.0050	0.0050	NMR	0.0050	NMR	0.0017	NMR	NMR
<b>pH low</b>	≥6.0	7.0	7.0	7.2	7.1	7.7	7.1	7.3	7.7	7.5	7.6	7.4	
<b>pH high</b>	≤9.5	7.6	7.2	7.7	7.3	8.5	8.2	8.3	8.0	8.3	8.1	8.2	7.6
<b>Flow</b> (m <sup>3</sup> /month)	—	106,369	104,965	117,451	152,292	150,319	109,688	123,639	177,227	109,201	114,639	94,388	92,870
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	NMR	1	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	NMR	0	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	NMR	1	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	NMR	0	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Thompson Complex												
OPERATOR NAME	Vale Canada Ltd.												
PRODUCT(S)	Nickel-Copper												
ADDRESS	P.O. Box 5000, Thompson, Manitoba R8N 1P3												
EFFLUENT DISCHARGE POINT	Misery Weir												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0081	0.0142	0.0122	0.0103	0.0075	0.0057	0.0048	0.0052	0.0044	0.0037	0.0038	0.0049
<b>Cu</b> (mg/l)	0.3	0.0180	0.0163	0.0175	0.0160	0.0138	0.0050	0.0108	0.0063	0.0050	0.0088	0.0188	0.0130
<b>CN</b> (mg/l)	1.0	NMR	0.0010	NMR	NMR								
<b>Pb</b> (mg/l)	0.2	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150
<b>Ni</b> (mg/l)	0.5	0.2780	0.2375	0.2150	0.2380	0.1475	0.1925	0.3189	0.2983	0.2940	0.2975	0.3325	0.3420
<b>Zn</b> (mg/l)	0.5	0.0060	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0088	0.0050
<b>TSS</b> (mg/l)	15	1.00	2.05	1.00	1.00	4.90	4.30	1.00	2.25	2.60	2.60	1.70	2.16
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0050	NMR	NMR								
<b>pH low</b>	≥6.0	8.2	8.8	8.8	8.9	8.5	8.5	8.2	8.4	8.2	8.5	8.7	8.7
<b>pH high</b>	≤9.5	8.7	8.9	9.0	9.0	9.3	8.6	8.3	8.5	8.5	8.6	8.8	8.9
<b>Flow</b> (m <sup>3</sup> /month)	—	1,980,677	2,095,324	2,162,653	2,087,382	3,811,179	4,582,028	4,349,722	3,622,536	3,084,480	3,509,657	2,974,320	2,314,138
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	NMR	0	NMR
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	NMR
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	NMR	0	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Thompson Complex												
OPERATOR NAME	Vale Canada Ltd.												
PRODUCT(S)	Nickel-Copper												
ADDRESS	P.O. Box 5000, Thompson, Manitoba R8N 1P3												
EFFLUENT DISCHARGE POINT	Station B												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0046	0.0043	0.0042	0.0070	0.0089	0.0111	0.0105	0.0088	0.0063	0.0041	0.0039	
<b>Cu</b> (mg/l)	0.3	0.0300	0.0225	0.0200	0.0220	0.0225	0.0100	0.0150	0.0200	0.0070	0.0188	0.0325	
<b>CN</b> (mg/l)	1.0	NMR	0.0010	NMR	0.0010	NMR	0.0010	NMR	0.0010	NMR	0.0010	NMR	
<b>Pb</b> (mg/l)	0.2	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	0.0150	
<b>Ni</b> (mg/l)	0.5	0.0900	0.0775	0.0800	0.0920	0.1125	0.1775	0.1080	0.0800	0.1420	0.1825	0.1300	
<b>Zn</b> (mg/l)	0.5	0.0078	0.0050	0.0065	0.0050	0.0065	0.0050	0.0050	0.0050	0.0060	0.0063	0.0070	
<b>TSS</b> (mg/l)	15	1.64	1.45	2.50	1.64	11.85	7.70	1.44	3.50	4.52	3.10	1.95	
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0050	NMR	0.0050	NMR	0.0050	NMR	0.0050	NMR	0.0050	NMR	
<b>pH low</b>	≥6.0	7.3	7.4	7.4	7.2	7.6	7.6	7.6	7.6	7.7	7.3	7.2	
<b>pH high</b>	≤9.5	7.6	7.9	7.9	7.8	7.5	7.7	8.0	7.7	8.0	7.9	7.5	
<b>Flow</b> (m <sup>3</sup> /month)	—	952,320	691,488	857,088	1,879,200	3,019,896	1,820,880	1,546,776	1,031,184	933,120	1,352,592	1,165,104	
<b>Rainbow Trout</b>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	NMR	1	
<b>Acute Lethality Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	0	NMR	
<b>Daphnia magna</b>	Pass	NMR	1	NMR	NMR	1	NMR	1	NMR	NMR	1	NMR	
<b>Monitoring Test</b>	Fail	NMR	0	NMR	NMR	0	NMR	0	NMR	NMR	0	NMR	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Timmins West Complex												
OPERATOR NAME	Lake Shore Gold Corporation												
PRODUCT(S)	Gold												
ADDRESS	8215 Highway 101 West, Timmins, Ontario P4N 7H9												
EFFLUENT DISCHARGE POINT	TR-1												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0139	0.0182	0.0142	0.0121	0.0082	0.0161	0.0166	0.0230	0.0134	0.0129	0.0149	0.0130
<b>Cu</b> (mg/l)	0.3	0.0083	0.0045	0.0064	0.0066	0.0051	0.0049	0.0052	0.0040	0.0046	0.0038	0.0045	0.0049
<b>CN</b> (mg/l)	1.0	NMR											
<b>Pb</b> (mg/l)	0.2	0.0008	0.0005	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Ni</b> (mg/l)	0.5	0.0211	0.0181	0.0183	0.0133	0.0098	0.0117	0.0194	0.0271	0.0088	0.0094	0.0104	0.0086
<b>Zn</b> (mg/l)	0.5	0.0228	0.0264	0.0185	0.0261	0.0110	0.0098	0.0110	0.0085	0.0066	0.0086	0.0081	0.0136
<b>TSS</b> (mg/l)	15	1.00	1.50	1.60	1.20	3.68	3.30	1.17	2.51	1.84	4.29	5.63	2.53
<b>Ra-226</b> (Bq/l)	0.37	NMR	NMR	0.0025	NMR	NMR	0.0025	NMR	0.0050	NMR	0.0025	NMR	NMR
<b>pH low</b>	≥6.0	7.0	6.7	6.8	6.7	6.8	6.7	6.5	6.3	6.6	6.1	6.1	6.1
<b>pH high</b>	≤9.5	7.8	7.3	7.2	7.0	7.1	7.1	6.9	7.0	6.8	7.0	6.4	7.5
<b>Flow</b> (m <sup>3</sup> /month)	—	23,605	15,772	14,950	37,116	43,687	30,155	18,940	31,397	32,653	49,954	30,942	22,213
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	2	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	2	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
<b>Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.</b>													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0015	0.0024	0.0011	0.0012	0.0015	0.0016	0.0018	0.0018	0.0056
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR								
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0004	0.0003	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.2775	0.3273	0.3894	0.3983	0.4160	0.4110	0.4250	0.4495	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0303	0.0340	0.0864	0.0498	0.0534	0.0518	0.0663	0.0780	
<b>TSS</b> (mg/l)	15	ND	ND	ND	0.50	2.75	0.60	0.50	0.50	0.50	0.75	1.75	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0020	NMR	0.0010	NMR	NMR	0.0030	NMR	NMR	NMR
<b>pH low</b>	≥6.0	ND	ND	6.5	6.6	6.7	6.8	6.8	6.8	6.7	6.8	6.7	
<b>pH high</b>	≤9.5	ND	ND	ND	70	6.9	6.9	6.9	6.9	6.9	7.0	6.8	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	50,637	27,257	14,280	9,830	9,585	9,786	7,690	4,536	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	—	—	1	1	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	—	0	0	

**Comments:** No test results for *Daphnia magna* monitoring were provided for the month of October. *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   — : No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.0003	0.0002	0.0005	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0100	0.0117	0.0160	0.0137	0.0145	0.0186	0.0144	0.0108	
<b>CN</b> (mg/l)	1.0	ND	ND	ND	NMR								
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0004	0.0003	0.0007	0.0002	0.0001	0.0002	0.0002	0.0002	0.0003
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.0998	0.1710	0.2412	0.2868	0.3144	0.3485	0.3325	0.4055	
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.0285	0.0375	0.0790	0.0753	0.0678	0.0803	0.0873	0.0863	
<b>TSS</b> (mg/l)	15	ND	ND	ND	2.75	3.00	2.40	2.75	3.00	3.00	2.75	1.88	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0030	NMR	0.0010	NMR	NMR	0.0010	NMR	NMR	NMR
<b>pH low</b>	≥6.0	ND	ND	ND	6.7	6.9	6.8	6.8	6.7	6.7	6.8	6.7	
<b>pH high</b>	≤9.5	ND	ND	ND	6.9	6.9	7.0	7.0	6.8	6.8	6.9	6.8	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	24,725	14,890	14,944	18,096	16,976	19,675	17,912	10,090	
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	1	1	1	—	—	1	1	
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	0	0	0	0	—	0	0	

**Comments:** No test results for *Daphnia magna* monitoring were provided for the month of October. *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing.

**NOTES:**

- ND:** No Deposit    **NMR:** No Measurement Required
- Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0003	0.0002	0.0004	0.0002	0.0004	0.0002	0.0002	0.0002
<b>Cu</b> (mg/l)	0.3	0.0283	0.0200	0.0208	0.0170	0.0049	0.0059	0.0057	0.0088	0.0092	0.0098	0.0086	0.0101
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0005	0.0005	0.0004	0.0001	0.0002	0.0002	0.0003	0.0001	0.0002	0.0001
<b>Ni</b> (mg/l)	0.5	0.4188	0.3383	0.3350	0.3884	0.4215	0.3045	0.4344	0.4458	0.4286	0.4875	0.4715	0.5412
<b>Zn</b> (mg/l)	0.5	0.0505	0.0468	0.0553	0.0644	0.0610	0.0398	0.0760	0.0628	0.0720	0.0840	0.0898	0.0956
<b>TSS</b> (mg/l)	15	1.13	0.63	0.63	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60
<b>Ra-226</b> (Bq/l)	0.37	0.0010	NMR	NMR	0.0040	NMR	NMR	0.0010	NMR	NMR	0.0020	NMR	NMR
<b>pH low</b>	≥6.0	7.0	7.0	7.0	6.6	6.9	7.0	7.0	7.0	7.0	6.9	7.0	7.0
<b>pH high</b>	≤9.5	7.1	7.2	7.1	7.1	7.0	7.1	7.1	7.1	7.1	7.0	7.0	7.1
<b>Flow</b> (m <sup>3</sup> /month)	—	15,379	13,890	15,379	111,429	344,472	262,332	123,562	112,906	95,196	70,741	109,764	10,115
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	-	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	-	0	0

**Comments:** No test results for *Daphnia magna* monitoring were provided for the month of October. *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing.

**NOTES:**

- ND:** No Deposit    **NMR:** No Measurement Required
- Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	ND	ND	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
<b>Cu</b> (mg/l)	0.3	0.0158	0.0115	ND	ND	0.0388	0.0274	0.0446	0.0364	0.0299	0.0293	0.0282	0.0289
<b>CN</b> (mg/l)	1.0	NMR	NMR	ND	ND	NMR							
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	ND	ND	0.0004	0.0003	0.0001	0.0003	0.0002	0.0002	0.0002	0.0001
<b>Ni</b> (mg/l)	0.5	0.1850	0.1645	ND	ND	0.1643	0.2000	0.1992	0.2033	0.1930	0.2053	0.2548	0.3332
<b>Zn</b> (mg/l)	0.5	0.0388	0.0290	ND	ND	0.0403	0.0413	0.0664	0.0310	0.0306	0.0353	0.0638	0.0678
<b>TSS</b> (mg/l)	15	1.75	0.50	ND	ND	4.75	0.88	0.90	0.75	0.90	3.25	5.00	2.40
<b>Ra-226</b> (Bq/l)	0.37	0.0020	NMR	ND	ND	0.0010	NMR	0.0010	NMR	NMR	0.0040	NMR	NMR
<b>pH low</b>	≥6.0	7.1	7.1	ND	ND	6.8	7.1	7.1	6.8	6.6	6.7	6.9	6.9
<b>pH high</b>	≤9.5	7.2	7.3	ND	ND	7.2	7.2	7.2	7.2	6.9	7.1	7.0	7.0
<b>Flow</b> (m <sup>3</sup> /month)	—	2,687	1,213	ND	ND	70,970	3,155	4,213	3,261	2,733	6,331	13,484	6,055
<b>Rainbow Trout</b>	Pass	1	—	ND	ND	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	O	—	ND	ND	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	—	ND	ND	1	1	1	1	—	1	1	1
<b>Monitoring Test</b>	Fail	O	—	ND	ND	0	0	0	0	—	0	0	0

**Comments:** No toxicity test results were provided for the month of February. No test results for *Daphnia magna* monitoring were provided for the month of October. *Daphnia magna* monitoring tests must be done on each effluent aliquot collected for acute lethality testing.

**NOTES:**

- ND:** No Deposit    **NMR:** No Measurement Required
- Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Toften Mine												
OPERATOR NAME	Vale Canada Limited												
PRODUCT(S)	Nickel-Copper and Precious Metals												
ADDRESS	6 C. Johnson Road, Worthington, Ontario P0M3H0												
EFFLUENT DISCHARGE POINT	Toften Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0010	0.0011	0.0009	0.0007	0.0006	0.0012	0.0011	ND	0.0013	0.0008	0.0005	0.0007
<b>Cu</b> (mg/l)	0.3	0.0043	0.0025	0.0018	0.0030	0.0010	0.0025	0.0010	ND	0.0028	0.0026	0.0060	0.0058
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	ND	ND	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	ND	0.0000	0.0011	0.0002	0.0003
<b>Ni</b> (mg/l)	0.5	0.0283	0.0355	0.0385	0.0166	0.0125	0.0225	0.0280	ND	0.0213	0.0192	0.0153	0.0270
<b>Zn</b> (mg/l)	0.5	0.0025	0.0025	0.0052	0.0034	0.0034	0.0025	0.0025	ND	0.0022	0.0018	0.0032	0.0074
<b>TSS</b> (mg/l)	15	2.25	4.30	2.65	3.40	2.53	1.00	2.40	ND	3.15	2.16	3.18	3.62
<b>Ra-226</b> (Bq/l)	0.37	0.0150	NMR	NMR	0.0025	NMR	NMR	0.0080	ND	NMR	0.0120	NMR	NMR
<b>pH low</b>	≥6.0	6.5	6.8	6.7	6.6	7.1	7.2	7.5	ND	7.3	7.2	6.8	6.7
<b>pH high</b>	≤9.5	7.3	7.0	7.0	7.1	7.6	7.2	7.5	ND	7.6	7.5	7.4	7.1
<b>Flow</b> (m <sup>3</sup> /month)	—	57,939	14,672	41,137	95,686	218,431	49,131	224	ND	40,375	152,093	140,700	47,089
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	ND	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	ND	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	ND	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Trout Lake Mine												
OPERATOR NAME	Hudbay Minerals Inc.												
PRODUCT(S)	Copper-Zinc-Gold-Silver												
ADDRESS	P.O. Box 1500, Flin Flon, Manitoba R8A 1N9												
EFFLUENT DISCHARGE POINT	Trout Lake Surface Sump Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0030	0.0035	0.0030	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	0.0140	0.0118	0.0180	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	NMR	NMR	NMR	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	0.0100	0.0100	0.0100	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.0098	0.0090	0.0110	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	0.1148	0.0585	0.0900	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	2.23	0.78	0.45	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	0.1750	0.2000	0.2000	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	6.7	6.3	7.7	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	8.2	7.9	7.7	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	15,600	21,700	2,000	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	1	NMR	NMR	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	NMR	NMR	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	1	NMR	NMR	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	0	NMR	NMR	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Vezza (Mine)												
OPERATOR NAME	Maudore Minerals Ltd.–Mines Auribec Inc.												
PRODUCT(S)	Gold												
ADDRESS	Km 197, Road 109 North, Matagami, Quebec J0Y 2A0												
EFFLUENT DISCHARGE POINT	Polishing Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	0.0043	0.0100	0.0151	0.0302	0.0380	0.0268	0.0271	0.0529	0.0643	
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0053	0.0020	0.0043	0.0043	0.0016	0.0021	0.0020	0.0021	0.0020	
<b>CN</b> (mg/l)	1.0	ND	ND	NMR	0.0025	NMR							
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0008	0.0010	0.0017	0.0043	0.0011	0.0002	0.0027	0.0012	0.0002	
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0120	0.0068	0.0100	0.0167	0.0224	0.0157	0.0175	0.0277	0.0383	
<b>Zn</b> (mg/l)	0.5	ND	ND	0.2500	0.0833	0.1317	0.1168	0.0855	0.1154	0.1088	0.1650	0.5420	
<b>TSS</b> (mg/l)	15	ND	ND	2.50	4.25	3.00	3.80	1.13	1.00	2.00	5.00	6.50	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0030	0.0070	NMR	0.0125	NMR	NMR	0.0030	NMR	NMR	
<b>pH low</b>	≥6.0	ND	ND	7.3	7.8	8.0	7.8	8.2	8.0	8.0	7.9	8.2	
<b>pH high</b>	≤9.5	ND	ND	7.3	8.2	8.3	8.2	8.4	8.5	8.2	8.3	8.3	
<b>Flow</b> (m <sup>3</sup> /month)	–	ND	ND	6,350	14,908	30,598	51,013	54,916	73,337	93,223	73,004	2,384	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	1	1	1	–	–	–	
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	0	0	–	–	–	
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	1	1	1	–	–	–	
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	0	0	–	–	–	
<b>Comments:</b>	No toxicity test results were provided for the fourth quarter.												

**NOTES:**

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **–:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0005	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0440	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	NMR	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0007	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6400	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0093	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.20	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0050	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.6	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	289	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	0	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

<b>MINE/MILL NAME</b>	Voisey's Bay Mine—Mill																							
<b>OPERATOR NAME</b>	Vale Newfoundland & Labrador Ltd.																							
<b>PRODUCT(S)</b>	Nickel-Copper-Cobalt																							
<b>ADDRESS</b>	10 Fort William Place, St. John's, Newfoundland and Labrador A1C 1K4																							
<b>EFFLUENT DISCHARGE POINT</b>	Sedimentation Pond A Discharge																							
<b>PARAMETERS</b>	<b>LIMITS</b>	<b>JAN.</b>	<b>FEB.</b>	<b>MAR.</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>											
<b>As (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Cu (mg/l)</b>	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>CN (mg/l)</b>	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Pb (mg/l)</b>	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ni (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Zn (mg/l)</b>	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>TSS (mg/l)</b>	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Ra-226 (Bq/l)</b>	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Flow (m<sup>3</sup>/month)</b>	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND											
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

EFFLUENT DISCHARGE POINT													
	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Voisey's Bay Mine—Mill												
OPERATOR NAME	Vale Newfoundland & Labrador Ltd.												
PRODUCT(S)	Nickel-Copper-Cobalt												
ADDRESS	10 Fort William Place, St. John's, Newfoundland and Labrador A1C 1K4												
EFFLUENT DISCHARGE POINT	South of Ovoid Final Discharge Point												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

Treated Effluent Final Discharge Point														
	PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0014	0.0020	0.0010	0.0010	0.0013	0.0013	0.0021	0.0012	0.0013	0.0012	0.0010	0.0010	0.0020
<b>CN</b> (mg/l)	1.0	NMR	NMR											
<b>Pb</b> (mg/l)	0.2	0.0003	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
<b>Ni</b> (mg/l)	0.5	0.0479	0.0444	0.0507	0.0420	0.0552	0.0833	0.0674	0.0241	0.0257	0.0298	0.0360	0.0238	
<b>Zn</b> (mg/l)	0.5	0.0038	0.0093	0.0087	0.0069	0.0050	0.0035	0.0037	0.0039	0.0025	0.0046	0.0025	0.0025	
<b>TSS</b> (mg/l)	15	1.04	1.03	1.31	2.17	1.63	2.06	1.22	1.97	1.26	1.61	3.20	1.89	
<b>Ra-226</b> (Bq/l)	0.37	0.0050	0.0050	0.0050	NMR	NMR	0.0050	0.0050	NMR	0.0050	NMR	NMR	NMR	0.0050
<b>pH low</b>	≥6.0	8.8	8.7	8.7	8.6	8.5	8.5	8.7	8.8	8.7	8.7	8.7	8.7	8.6
<b>pH high</b>	≤9.5	8.9	8.9	8.8	8.9	8.8	8.8	8.9	9.0	8.9	8.9	8.9	8.9	9.1
<b>Flow</b> (m <sup>3</sup> /month)	—	353,059	308,738	351,548	383,416	407,863	421,315	441,954	441,081	370,126	351,829	262,360	402,214	
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	0	1	1	1	0	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	1	0	0	0	1	0	0	0	0
<b>Comments:</b>														
<b>NOTES:</b>														
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required														
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.														
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.														

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
PRODUCT(S)	Iron												
ADDRESS	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
EFFLUENT DISCHARGE POINT	East Pit Dewatering East												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
PRODUCT(S)	Iron												
ADDRESS	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
EFFLUENT DISCHARGE POINT	East Pit 1 Dewatering												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
PRODUCT(S)	Iron												
ADDRESS	Scully Mine, P.O. Box 30000, Wabush, Newfoundland and Labrador A0R 1B0												
EFFLUENT DISCHARGE POINT	East Pit 2 Dewatering												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0016	0.0016	0.0010	0.0010	0.0010	0.0010
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
<b>Ni</b> (mg/l)	0.5	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
<b>Zn</b> (mg/l)	0.5	0.0025	0.0057	0.0048	0.0031	0.0044	0.0041	0.0067	0.0067	0.0034	0.0031	0.0086	0.0053
<b>TSS</b> (mg/l)	15	2.55	1.05	0.75	1.18	6.78	1.95	3.00	2.65	2.44	1.18	1.33	3.04
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.5	7.5	7.6	7.5	7.6	7.6	7.8	7.8	7.8	7.9	7.6	7.0
<b>pH high</b>	≤9.5	7.6	7.6	7.7	7.7	7.7	7.7	7.9	7.9	8.0	8.0	7.9	7.7
<b>Flow</b> (m <sup>3</sup> /month)	—	717,263	687,204	998,433	1,105,221	943,302	689,627	473,869	1,073,446	571,093	570,303	509,519	24,574
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
PRODUCT(S)	Iron												
ADDRESS	Scully Mine, P.O. Box 3000, Wabush, Newfoundland and Labrador A0R 1B0												
EFFLUENT DISCHARGE POINT	Flora Lake Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0010	0.0010	0.0010	0.0010	0.0013	0.0010	0.0013	0.0014	0.0010	0.0010	0.0010	0.0010
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
<b>Ni</b> (mg/l)	0.5	0.0010	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
<b>Zn</b> (mg/l)	0.5	0.0025	0.0107	0.0047	0.0031	0.0058	0.0047	0.0068	0.0035	0.0035	0.0270	0.0064	0.0025
<b>TSS</b> (mg/l)	15	0.80	2.03	2.30	1.54	14.33	36.50	6.38	5.50	6.56	10.98	7.80	3.16
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0050	NMR	NMR	-	-	0.0050	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.5	7.4	7.4	7.3	7.2	7.4	7.4	7.7	7.7	7.6	7.4	
<b>pH high</b>	≤9.5	7.6	7.5	7.6	7.5	7.6	7.5	7.7	7.8	7.8	7.7	7.6	
<b>Flow</b> (m <sup>3</sup> /month)	—	2,780,234	3,027,612	3,234,072	3,136,206	19,959,159	12,323,933	5,165,465	5,298,916	5,383,468	6,691,319	2,915,518	1,600,171
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Foil	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>	No radium 226 results were provided for the third quarter.												
<b>NOTES:</b>	<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported Highlighted data indicate that a monthly effluent quality standard was exceeded for that month. A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.												

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	ND
<b>Cu</b> (mg/l)	0.3	0.0010	0.0010	0.0010	0.0010	0.0010	0.0015	0.0014	0.0014	0.0010	0.0010	0.0010	ND
<b>CN</b> (mg/l)	1.0	NMR	ND										
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	ND
<b>Ni</b> (mg/l)	0.5	0.0014	0.0010	0.0025	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	ND
<b>Zn</b> (mg/l)	0.5	0.0086	0.0135	0.0123	0.0090	0.0079	0.0056	0.0091	0.0072	0.0058	0.0102	0.0100	ND
<b>TSS</b> (mg/l)	15	11.10	0.83	1.88	1.66	2.43	0.73	1.10	2.00	0.98	0.80	3.30	ND
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	ND
<b>pH low</b>	≥6.0	7.2	6.8	6.9	7.0	7.1	7.0	7.2	7.3	7.5	7.2	7.3	ND
<b>pH high</b>	≤9.5	7.3	7.2	7.1	7.1	7.5	7.3	7.5	7.5	7.6	7.6	7.6	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	268,041	228,343	492,401	654,870	537,057	419,455	441,272	216,114	266,146	537,819	455,184	ND
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	ND
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	ND
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	ND
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													

**NOTES:**

**ND:** No Deposit    **NMR:** No Measurement Required    **Pass:** ≤50% Mortality    **Fail:** >50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.  
A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	ND	ND	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	ND	ND
<b>Cu</b> (mg/l)	0.3	0.0010	ND	ND	0.0022	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	ND	ND
<b>CN</b> (mg/l)	1.0	NMR	ND	ND	NMR	ND	ND						
<b>Pb</b> (mg/l)	0.2	0.0003	ND	ND	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	ND	ND
<b>Ni</b> (mg/l)	0.5	0.0010	ND	ND	0.0017	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	ND	ND
<b>Zn</b> (mg/l)	0.5	0.0025	ND	ND	0.0060	0.0062	0.0082	0.0025	0.0070	0.0139	ND	ND	ND
<b>TSS</b> (mg/l)	15	5.00	ND	ND	5.50	11.00	0.50	2.00	1.50	1.80	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	0.0050	ND	ND	0.0050	—	0.0050	0.0050	0.0050	0.0050	0.0050	ND	ND
<b>pH low</b>	≥6.0	7.2	ND	ND	7.2	7.3	7.7	7.8	7.8	7.8	7.9	ND	ND
<b>pH high</b>	≤9.5	7.2	ND	ND	7.2	7.3	7.7	7.8	7.9	7.9	7.9	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	1	ND	ND	3,496	2,901	2,596	5,099	5,955	2,901	ND	ND	ND
<b>Rainbow Trout</b>	Pass	1	ND	ND	1	—	1	1	1	1	1	ND	ND
<b>Acute Lethality Test</b>	Fail	0	ND	ND	0	—	0	0	0	0	0	ND	ND
<b>Daphnia magna</b>	Pass	1	ND	ND	1	—	1	1	1	1	1	ND	ND
<b>Monitoring Test</b>	Fail	0	ND	ND	0	—	0	0	0	0	0	ND	ND

**Comments:** No toxicity test results were provided for the month of June. No radium 226 results were provided for the month of June.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required

**Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.**

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wabush Mines Joint Venture—Scully Mine												
OPERATOR NAME	Wabush Mines Joint Venture												
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.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
<b>Cu</b> (mg/l)	0.3	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0018	0.0010	0.0010	0.0010
<b>CN</b> (mg/l)	1.0	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR	NMR
<b>Pb</b> (mg/l)	0.2	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
<b>Ni</b> (mg/l)	0.5	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
<b>Zn</b> (mg/l)	0.5	0.0025	0.0058	0.0100	0.0048	0.0042	0.0025	0.0049	0.0049	0.0035	0.0031	0.0118	0.0025
<b>TSS</b> (mg/l)	15	0.63	0.73	0.63	0.76	1.43	1.05	0.60	0.95	0.68	1.43	3.88	0.50
<b>Ra-226</b> (Bq/l)	0.37	0.0050	NMR	NMR	0.0050	NMR	0.0050	NMR	NMR	0.0050	NMR	NMR	NMR
<b>pH low</b>	≥6.0	7.0	6.9	6.9	7.1	7.1	7.0	7.2	7.3	7.4	7.4	7.3	7.7
<b>pH high</b>	≤9.5	7.2	7.3	7.0	7.2	7.4	7.3	7.4	7.6	7.7	7.6	7.6	7.7
<b>Flow</b> (m <sup>3</sup> /month)	—	2,733,324	1,697,319	2,116,571	2,580,651	1,343,056	771,366	1,122,589	644,420	1,039,065	1,232,005	873,937	234,688
<b>Rainbow Trout</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Acute Lethality Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Daphnia magna</b>	Pass	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR	1	NMR	NMR
<b>Monitoring Test</b>	Fail	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR	0	NMR	NMR
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Williams Mine												
OPERATOR NAME	Barrick Gold Corporation—Williams Operating Corporation												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 500, Marathon, Ontario P0T 2E0												
EFFLUENT DISCHARGE POINT	Polishing Pond Discharge CP 0400												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Williams Mine												
OPERATOR NAME	Barrick Gold Corporation—Williams Operating Corporation												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 500, Marathon, Ontario P0T 2E0												
EFFLUENT DISCHARGE POINT	Stormwater Pond CP 102												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	0.0051	0.0094	0.0078	0.0077	0.0066	0.0081	0.0059	0.0105	0.0050	
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0005	0.0018	0.0014	0.0013	0.0008	0.0008	0.0012	0.0011	0.0050	
<b>CN</b> (mg/l)	1.0	ND	ND	0.0055	0.0043	0.0010	0.0022	0.0013	0.0030	0.0065	0.0125	0.0133	
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0050	
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0034	0.0037	0.0030	0.0026	0.0019	0.0028	0.0033	0.0063	0.0100	
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0115	0.0079	0.0029	0.0041	0.0023	0.0042	0.0053	0.0114	0.0300	
<b>TSS</b> (mg/l)	15	ND	ND	3.50	6.25	3.00	4.20	2.25	2.80	2.50	4.00	3.33	
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0088	0.0105	0.0103	
<b>pH low</b>	≥6.0	ND	ND	7.5	7.7	6.1	7.7	7.4	7.8	7.5	7.5	7.4	
<b>pH high</b>	≤9.5	ND	ND	7.6	7.9	7.6	8.0	8.0	8.0	8.1	7.7	7.6	
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	46,329	128,162	64,020	124,529	71,399	105,428	107,987	43,809	7,267	
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	1	1	1	1	1	1	
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	0	0	0	0	0	0	
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	1	1	1	1	1	1	
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	0	0	0	0	0	0	
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Williams Mine																					
OPERATOR NAME	Barrick Gold Corporation—Williams Operating Corporation																					
PRODUCT(S)	Gold																					
ADDRESS	P.O. Box 500, Marathon, Ontario P0T 2E0																					
EFFLUENT DISCHARGE POINT	Stormwater Pond CP 0300																					
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.									
<b>As</b> (mg/l)	0.5	ND	ND	0.0005	0.0005	0.0011	ND	ND	ND	0.0005	0.0005	ND										
<b>Cu</b> (mg/l)	0.3	ND	ND	0.0008	0.0007	0.0008	ND	ND	ND	0.0010	0.0005	ND										
<b>CN</b> (mg/l)	1.0	ND	ND	0.0017	0.0010	0.0010	ND	ND	ND	0.0010	0.0010	ND										
<b>Pb</b> (mg/l)	0.2	ND	ND	0.0005	0.0005	0.0005	ND	ND	ND	0.0005	0.0005	ND										
<b>Ni</b> (mg/l)	0.5	ND	ND	0.0010	0.0010	0.0010	ND	ND	ND	0.0010	0.0010	ND										
<b>Zn</b> (mg/l)	0.5	ND	ND	0.0035	0.0019	0.0025	ND	ND	ND	0.0030	0.0037	ND										
<b>TSS</b> (mg/l)	15	ND	ND	3.33	2.00	1.50	ND	ND	ND	3.00	2.50	ND										
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	0.0050	0.0050	0.0050	ND	ND	ND	0.0050	0.0039	ND										
<b>pH low</b>	≥6.0	ND	ND	7.0	7.6	6.7	ND	ND	ND	7.3	7.5	ND										
<b>pH high</b>	≤9.5	ND	ND	7.6	8.0	7.9	ND	ND	ND	7.3	7.9	ND										
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	46,714	78,230	13,338	ND	ND	ND	17,666	11,044	ND										
<b>Rainbow Trout</b>	Pass	ND	ND	1	1	1	ND	ND	ND	1	1	ND										
<b>Acute Lethality Test</b>	Fail	ND	ND	0	0	0	ND	ND	ND	0	0	ND										
<b>Daphnia magna</b>	Pass	ND	ND	1	1	1	ND	ND	ND	1	1	ND										
<b>Monitoring Test</b>	Fail	ND	ND	0	0	0	ND	ND	ND	0	0	ND										
<b>Comments:</b>																						
<b>NOTES:</b>																						
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																						
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																						
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																						

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Williams Mine																							
OPERATOR NAME	Barrick Gold Corporation—Williams Operating Corporation																							
PRODUCT(S)	Gold																							
ADDRESS	P.O. Box 500, Marathon, Ontario P0T 2E0																							
EFFLUENT DISCHARGE POINT	Stormwater Pond CP 400A																							
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.											
<b>As</b> (mg/l)	0.5	ND	0.0050	ND	0.0103	ND	ND	ND	ND	0.0205	0.0220	0.0057												
<b>Cu</b> (mg/l)	0.3	ND	0.0030	ND	0.0033	ND	ND	ND	ND	0.0017	0.0021	0.0023												
<b>CN</b> (mg/l)	1.0	ND	0.0035	ND	0.0168	ND	ND	ND	ND	0.0120	0.0147	0.0090												
<b>Pb</b> (mg/l)	0.2	ND	0.0005	ND	0.0005	ND	ND	ND	ND	0.0005	0.0005	0.0005												
<b>Ni</b> (mg/l)	0.5	ND	0.0084	ND	0.0052	ND	ND	ND	ND	0.0067	0.0074	0.0060												
<b>Zn</b> (mg/l)	0.5	ND	0.0188	ND	0.0135	ND	ND	ND	ND	0.0145	0.0157	0.0170												
<b>TSS</b> (mg/l)	15	ND	7.00	ND	13.25	ND	ND	ND	ND	ND	7.00	5.33												
<b>Ra-226</b> (Bq/l)	0.37	ND	0.0037	ND	0.0063	ND	ND	ND	ND	0.0170	0.0220	0.0120												
<b>pH low</b>	≥6.0	ND	7.6	ND	7.6	ND	ND	ND	ND	7.6	7.6	7.4												
<b>pH high</b>	≤9.5	ND	7.7	ND	7.9	ND	ND	ND	ND	7.6	7.8	7.4												
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	3,867	ND	62,841	ND	ND	ND	ND	12,748	30,373	5,420												
<b>Rainbow Trout</b>	Pass	ND	1	ND	1	ND	ND	ND	ND	1	1	1												
<b>Acute Lethality Test</b>	Fail	ND	0	ND	0	ND	ND	ND	ND	0	0	0												
<b>Daphnia magna</b>	Pass	ND	1	ND	1	ND	ND	ND	ND	1	1	1												
<b>Monitoring Test</b>	Fail	ND	0	ND	0	ND	ND	ND	ND	0	0	0												
<b>Comments:</b>																								
<b>NOTES:</b>																								
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																								
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																								
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																								

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Williams Mine																					
OPERATOR NAME	Barrick Gold Corporation—Williams Operating Corporation																					
PRODUCT(S)	Gold																					
ADDRESS	P.O. Box 500, Marathon, Ontario P0T 2E0																					
EFFLUENT DISCHARGE POINT	Treated Effluent CP 0201																					
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.									
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	0.0017	0.0019	0.0020	0.0018	0.0022	0.0025											
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	0.0119	0.0036	0.0030	0.0048	0.0457	0.1315											
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	0.0198	0.0042	0.0048	0.0108	0.0788	0.1864											
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	0.0005	0.0005	0.0005	0.0014	0.0005	0.0005	0.0014										
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	0.0048	0.0176	0.0339	0.0441	0.0535	0.0596	0.0686										
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	0.0015	0.0015	0.0036	0.0072	0.0015	0.0015	0.0079										
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	4.75	3.40	2.75	2.80	2.75	3.50	3.00										
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	0.0050	0.0050	0.0050	0.0050	0.0050	0.0108	0.0070										
<b>pH low</b>	≥6.0	ND	ND	ND	ND	6.3	7.6	7.5	7.3	6.9	7.5	7.2										
<b>pH high</b>	≤9.5	ND	ND	ND	ND	7.5	8.0	7.6	7.6	7.6	7.7	7.5										
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	367,763	419,679	378,462	392,527	424,494	412,709	406,671										
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	1										
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	0										
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	1	1	1	1	1	1	1										
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	0	0	0	0	0	0	0										
<b>Comments:</b>																						
<b>NOTES:</b>																						
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported																						
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.																						
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.																						

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Wolverine Project												
OPERATOR NAME	Yukon Zinc Corporation												
PRODUCT(S)	Zinc-Copper-lead-Silver-Gold												
ADDRESS	190 km NW of Watson Lake, Yukon												
EFFLUENT DISCHARGE POINT	W/o.TSF—Tailings Storage Facility												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

## METAL MINING EFFLUENT REGULATIONS (MMER) 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Yellow Giant Mine												
OPERATOR NAME	Banks Island Gold Limited												
PRODUCT(S)	Gold												
ADDRESS	300–1055 West Hastings St, Vancouver, British Columbia V6E 2E9												
EFFLUENT DISCHARGE POINT	BRG-EFF—Barge Channel Outfall												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Cu</b> (mg/l)	0.3	—	—	—	—	—	—	—	—	—	—	—	—
<b>CN</b> (mg/l)	1.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>Pb</b> (mg/l)	0.2	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ni</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Zn</b> (mg/l)	0.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>TSS</b> (mg/l)	15	—	—	—	—	—	—	—	—	—	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH low</b>	≥6.0	—	—	—	—	—	—	—	—	—	—	—	—
<b>pH high</b>	≤9.5	—	—	—	—	—	—	—	—	—	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	—	—	—	—	—	—	—	—	—	—	—	—
<b>Rainbow Trout</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Acute Lethality Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—
<b>Daphnia magna</b>	Pass	—	—	—	—	—	—	—	—	—	—	—	—
<b>Monitoring Test</b>	Fail	—	—	—	—	—	—	—	—	—	—	—	—

**Comments:** This mine became subject to MMER on August 19, 2014. No effluent data were reported for August, September, October, November and December.

### NOTES:

**ND:** No Deposit    **NMR:** No Measurement Required    **Fail:** >50% Mortality    **Pass:** ≤50% Mortality    **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Yellowjacket Gold Mine												
OPERATOR NAME	Athabasca Nuclear Corporation												
PRODUCT(S)	Gold												
ADDRESS	44–12th Avenue S, Suite 200, Cranbrook, British Columbia V1C 2R7												
EFFLUENT DISCHARGE POINT	Ye.TSF—Tailings Storage Facility												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>CN</b> (mg/l)	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>TSS</b> (mg/l)	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH low</b>	≥6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>pH high</b>	≤9.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Rainbow Trout</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Daphnia magna</b>	Pass	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Monitoring Test</b>	Fail	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required <b>Pass:</b> ≤50% Mortality <b>Fail:</b> >50% Mortality <b>—:</b> No data reported													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Young-Davidson Mine												
OPERATOR NAME	AuRico Gold Incorporated												
PRODUCT(S)	Gold												
ADDRESS	P.O. Box 187, Matachewan, Ontario P0K 1M0												
EFFLUENT DISCHARGE POINT	Mine Water Pond Final Discharge												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	0.0005	0.0005	0.0008	0.0042	0.0092	0.0026	0.0020	0.0012	0.0015	0.0017	0.0102	0.0158
<b>Cu</b> (mg/l)	0.3	0.0028	0.0026	0.0038	0.0117	0.0079	0.0089	0.0060	0.0055	0.0056	0.0035	0.0059	0.0058
<b>CN</b> (mg/l)	1.0	0.0137	0.0094	0.0254	0.0703	0.0196	0.0043	0.0127	0.0026	0.0041	0.0026	0.0051	0.0051
<b>Pb</b> (mg/l)	0.2	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0037	0.0011	0.0009	0.0005	0.0013	0.0005
<b>Ni</b> (mg/l)	0.5	0.0079	0.0074	0.0097	0.0120	0.0137	0.0112	0.0089	0.0112	0.0069	0.0079	0.0117	0.0158
<b>Zn</b> (mg/l)	0.5	0.0098	0.0132	0.0140	0.0078	0.0061	0.0071	0.0099	0.0078	0.0056	0.0106	0.0082	0.0046
<b>TSS</b> (mg/l)	15	0.56	0.55	1.18	3.14	2.20	2.04	3.68	1.59	2.69	3.57	15.31	1.14
<b>Ra-226</b> (Bq/l)	0.37	NMR	0.0150	NMR	NMR	0.0150	NMR	NMR	0.0130	NMR	NMR	0.0060	NMR
<b>pH low</b>	≥6.0	7.8	7.7	7.9	7.9	8.1	8.2	8.1	8.1	8.2	8.1	7.9	7.8
<b>pH high</b>	≤9.5	7.9	7.8	8.1	8.2	8.2	8.2	8.3	8.4	8.3	8.2	8.1	8.1
<b>Flow</b> (m <sup>3</sup> /month)	—	19,674	13,097	13,555	34,653	33,500	15,532	24,171	19,352	20,091	22,041	48,736	45,856
<b>Rainbow Trout</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Acute Lethality Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Daphnia magna</b>	Pass	1	1	1	1	1	1	1	1	1	1	1	1
<b>Monitoring Test</b>	Fail	0	0	0	0	0	0	0	0	0	0	0	0
<b>Comments:</b>													
<b>NOTES:</b>													
<b>ND:</b> No Deposit <b>NMR:</b> No Measurement Required													
Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.													
A "Pass" for the <i>Daphnia magna</i> monitoring test is not a requirement.													

# METAL MINING EFFLUENT REGULATIONS (MMER)

## 2014 EFFLUENT COMPLIANCE

MINE/MILL NAME	Yukon Refinery												
OPERATOR NAME	Yukon (36569) Incorporated												
PRODUCT(S)	Nickel-Cobalt-Silver-Gold												
ADDRESS	Lot 1, Concession 12, Highway 567, Lorraine Township North Cobalt, Ontario P0J 1R0												
EFFLUENT DISCHARGE POINT	Secondary Pond												
PARAMETERS	LIMITS	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
<b>As</b> (mg/l)	0.5	ND	ND	ND	0.1900	0.0363	ND	ND	ND	ND	—	—	—
<b>Cu</b> (mg/l)	0.3	ND	ND	ND	0.0892	0.2440	ND	ND	ND	ND	—	—	—
<b>CN</b> (mg/l)	1.0	ND	ND	ND	0.1798	0.4150	ND	ND	ND	ND	—	—	—
<b>Pb</b> (mg/l)	0.2	ND	ND	ND	0.0002	0.0001	ND	ND	ND	ND	—	—	—
<b>Ni</b> (mg/l)	0.5	ND	ND	ND	0.3488	0.4560	ND	ND	ND	ND	—	—	—
<b>Zn</b> (mg/l)	0.5	ND	ND	ND	0.1146	0.0865	ND	ND	ND	ND	—	—	—
<b>TSS</b> (mg/l)	15	ND	ND	ND	3.28	0.70	ND	ND	ND	ND	—	—	—
<b>Ra-226</b> (Bq/l)	0.37	ND	ND	ND	0.0150	0.0170	ND	ND	ND	ND	—	—	—
<b>pH low</b>	≥6.0	ND	ND	ND	6.6	7.2	ND	ND	ND	ND	—	—	—
<b>pH high</b>	≤9.5	ND	ND	ND	7.3	7.4	ND	ND	ND	ND	—	—	—
<b>Flow</b> (m <sup>3</sup> /month)	—	ND	ND	ND	9,475	11,267	ND	ND	ND	ND	—	—	—
<b>Rainbow Trout</b>	Pass	ND	ND	ND	1	1	ND	ND	ND	ND	—	—	—
<b>Acute Lethality Test</b>	Fail	ND	ND	ND	0	0	ND	ND	ND	ND	—	—	—
<b>Daphnia magna</b>	Pass	ND	ND	ND	1	0	ND	ND	ND	ND	—	—	—
<b>Monitoring Test</b>	Fail	ND	ND	ND	0	1	ND	ND	ND	ND	—	—	—

**Comments:** No annual report was submitted for 2014. This data has been compiled from the submitted quarterly reports. No effluent data was reported for the fourth quarter.

### NOTES:

**ND:** No Deposit   **NMR:** No Measurement Required   **Pass:** ≤50% Mortality   **Fail:** >50% Mortality   **—:** No data reported

Highlighted data indicate that a monthly effluent quality standard was exceeded for that month.

A "Pass" for the *Daphnia magna* monitoring test is not a requirement.