

BRITISH
COLUMBIA

The Best Place on Earth

File: PE-00416

Date: JUN 12 2009

REGISTERED: RW 336 438 600 CA

Gibraltar Mines Ltd.
P.O. Box 130
McLeese Lake BC V0L 1P0

Dear Permittee:

Enclosed is Amended Permit PE-00416 issued under the provisions of the *Environmental Management Act*. Your attention is respectfully directed to the terms and conditions outlined in the permit. An annual fee will be determined according to the Permit Fees Regulation.

This permit does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority rests with the Permittee. This permit is issued pursuant to the provisions of the *Environmental Management Act* to ensure compliance with Section 120(3) of that statute, which makes it an offence to discharge waste, from a prescribed industry or activity, without proper authorization. It is also the responsibility of the Permittee to ensure that all activities conducted under this authorization are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This decision may be appealed to the Environmental Appeal Board in accordance with Part 8 of the *Environmental Management Act*. An appeal must be delivered within 30 days from the date that notice of this decision is given. For further information, please contact the Environmental Appeal Board at (250) 387-3464.

Amendments to this permit may be initiated by the Director in accordance with Section 16 of the *Environmental Management Act*.

Administration of this permit will be carried out by staff from the Cariboo Region. Plans, data and reports pertinent to the permit are to be submitted to the Regional Manager, Environmental Protection, at Ministry of Environment, Regional Operations, Cariboo Region, Suite 400 - 640 Borland St., Williams Lake, BC V2G 4T1.

...2/

Yours truly,

A handwritten signature in black ink that reads "Douglas Hill". The signature is written in a cursive, slightly slanted style.

Douglas Hill, P.Eng.
for Director, *Environmental Management Act*
Cariboo Region

Enclosure

cc: Environment Canada
Pacific Environment Centre Office
401 Burrard Street.
Vancouver, British Columbia V6C 3C5

**PERMIT
PE-00416**

Under the Provisions of the Environmental Management Act

**Gibraltar Mines Ltd.
P.O. Box 130
McLeese Lake, British Columbia
V0L 1P0**

is authorized to discharge mine and mill effluent to the ground, and tailings impoundment supernatant to the Fraser River near Marguerite, B.C. from a copper-molybdenum mine and mill complex located near McLeese Lake, British Columbia, subject to the limitations and conditions set forth below. Contravention of any of these conditions is a violation of the *Environmental Management Act* and may result in prosecution.

This permit supersedes and replaces all previous versions of Permit PE-00416, issued under Part 2 Section 14 of the *Environmental Management Act*.

1. AUTHORIZED DISCHARGES

1.1. This section applies to the discharge of supernatant from a tailings impoundment. The site reference number for this discharge is E261604.

1.1.1 The maximum authorized rate of discharge of effluent is 190 L/s.

1.1.2 The authorized period of discharge is continuous except that:

(a) the discharge shall be suspended during any time that both the Fraser River mean daily temperature at Marguerite exceeds 19 °C and the tailings impoundment supernatant mean daily temperature exceeds the Fraser River temperature; and,

(b) the discharge authorization shall be suspended during the period November 11th to April 9th, inclusive, unless following additional monitoring and testing, the Director makes a determination that some discharge be allowed for some or all of that period, at a rate or rates to be specified by the Director from time to time subject to the requirements set out in this amended permit and any further requirements that the Director considers advisable for the protection of the environment.

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Date amended: **JUN 12 2009**
(most recent)



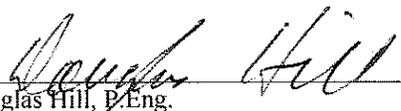
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1.1.3 At the point of discharge the characteristics of the discharge shall be equal to or less than:

Parameter	Maximum Concentration (mg/L of substance except as noted)
excess total gas pressure	< 76 mm Hg
total suspended solids	25 mg/L
sulphate	1800 mg/L
nitrate + nitrite	10 mg/L
ammonia	1 mg/L
ortho-phosphorus	2 mg/L
dissolved aluminium	0.7 mg/L
dissolved iron	0.3 mg/L
dissolved manganese	0.4 mg/L
total antimony	0.2 mg/L
total arsenic	0.01 mg/L
total cadmium	0.0005 mg/L
total chromium	0.02 mg/L
total cobalt	0.02 mg/L
total copper	0.03 mg/L
total lead	0.05 mg/L
total mercury	0.0001 mg/L
total molybdenum	0.7 mg/L
total selenium	0.01 mg/L
total zinc	0.02 mg/L
toxicity (rainbow trout 96-hr LT50 bioassay)	minimum 50% survival in 100% effluent concentration for 96hour exposure

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1.1.4 The effluent discharged shall have an annual median copper concentration that does not exceed 5.0 ug/L, and an annual median cadmium concentration that does not exceed 0.15 ug/L. Annual median concentrations shall be determined based on calendar year. The effluent discharged shall have a pH measured at the outfall within a range of 6.5 to 9.0 for at least 95% of all measurements taken during any day.

1.1.5 The authorized works are a barge and pump, head tank, pipeline, a submerged outfall with diffuser, and related appurtenances approximately located as shown on the attached site plans.

1.1.6 The authorized works must be completed and in operation when the discharge commences.

1.1.7 The location from which the discharge originates is the Gibraltar Mine Tailings Impoundment, located at mineral claims HY5 (204316), HY10 (204302), HY 11, (204303), HY12 (204304), HY13 (204305), HY14 (204306), HY15 (204307), and HY16 (204308).

1.1.8 The location of the point of discharge is the Fraser River near Marguerite, B.C. described as within R/W over District Lot 5106, Cariboo District and Over UCF Being part of the Bed of Fraser River, as shown on Plan EPP 1450 filed in the New Westminster Land Title Office.

1.2. This section applies to the discharge of tailings slurry from a copper-molybdenum ore concentrator, seepage from embankment ponds, oil water separator underflow, and treated open pit and rock dump drainage to a tailings impoundment. The site reference number for this discharge is E214755.

1.2.1 The maximum authorized rate of tailings slurry, oil water separator underflow, and open pit and rock dump drainage discharged to the tailings impoundment is 100,000 m³/d.

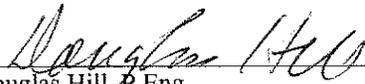
1.2.2 The characteristics of the effluent shall be typical of copper-molybdenum ore concentrator tailings slurry, embankment seepage pond effluent, and lime treated open pit and acid mine drainage. Oil water separator underflow shall contain less than or equal to 15 mg/L of total extractable hydrocarbons. Treated open pit and rock dump drainage shall have a pH of greater than 6.5 pH units.

1.2.3 The authorized works include, but are not limited to, a tailings impoundment including a main embankment, perimeter embankment, and saddle dam; a tailings discharge line and containment ditching system; a seepage collection system and pond; a supernatant reclaim system; a mine drainage collection system; a waste rock dump drainage collection system; a lime addition system; an oil/water separator(s); and, pipelines, pumps, and related appurtenances located approximately as shown on the attached site plans.

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1.2.4 The location of the facilities from which the discharge originates is within the area covered by the Mineral Claims and Leases as per the attached appendix.

1.2.5 The location of the point of discharge is within the tailings impoundment approximately at latitude 52°31'28" and longitude 121°19'36".

1.3. This section applies to the discharge of tailings main embankment seepage pond water, excess raffinate from an SX-EW plant, oil water separator underflow, open pit drainage, and rock dump drainage, and domestic sewage to the Gibraltar East Pit. The site reference number for this discharge is E233664.

1.3.1 The maximum elevation to which effluent may be stored in the Gibraltar East Pit is 3190 feet (amsl).

1.3.2 The characteristics of the effluent shall be typical of tailings embankment seepage pond water, SX-EW plant raffinate, open pit drainage, and rock dump drainage. Oil water separator underflow shall contain less than or equal to 15 mg/L of total extractable hydrocarbons. Lagoon treated domestic sewage effluent shall have a total suspended solids content of less than 130 mg/L, and a 5-day biochemical oxygen demand of less than 130 mg/L.

1.3.3 The works authorized include, but are not limited to, a seepage pond, an oil/water separator(s), an effluent pipeline and containment ditching system, a mine drainage collection system, mined out pits, a sewage lagoon, pumping systems and related appurtenances, approximately as shown on the attached site plans.

1.3.4 The location of the facilities from which the discharge originates is within the area covered by the Mineral Claims and Leases as per the attached appendix.

1.3.5 The location of the point of discharge is latitude 52°31'28" and longitude 122°15'20".

2. GENERAL REQUIREMENTS

2.1. Maintenance of Works

The Permittee shall inspect the authorized works regularly and maintain them in good working order. The Regional Manager, Environmental Protection, shall be notified immediately of any malfunction of these works following procedures set out in section 2.3.

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2.2. **Bypasses**

The discharge of effluent which has bypassed the authorized treatment works is prohibited unless the approval of the Director is obtained and confirmed in writing.

2.3. **Emergency Procedures**

In the event of an emergency or condition beyond the control of the Permittee which prevents effective operation of the approved method of pollution control, the Permittee shall immediately take appropriate remedial action and shall notify the Regional Manager, Environmental Protection:

(a) by telephone at 250-398-4530 if the condition occurs between the hours of 08:00 and 16:30, Monday to Friday, excluding statutory holidays; and,

(b) by facsimile transmission at 250-398-4214 if the condition occurs at any other time.

All such notifications must be received within 24 hours of the detection of the occurrence.

In addition, all reportable spills to the environment (as defined in the Spill Reporting Regulation) shall be reported to the Provincial Emergency Program at 1-800-663-3456, as prescribed in the Spill Reporting Regulation.

2.4. **Process Modifications**

The Permittee shall notify the Regional Manager, Environmental Protection, prior to implementing changes to any process or authorized works that may affect the quality and/or quantity of the discharge.

2.5. **Posting of Outfall and Pipeline**

A sign shall be erected along the alignment of the outfall above the high water mark. The sign shall identify the nature of the works. The wording and size of the sign shall be acceptable to the Director.

Signs shall be posted along the effluent pipeline right-of-way at points of public access that identifies the right-of-way and provides emergency contact information.

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2.6. **Tailings Pond Intake for Effluent Discharge**

Effluent to be discharged shall be drawn from the tailings pond no deeper than 3 metres from the surface, and no less than 2 metres from the bottom of the water column. Based on monitoring results, the Director may require additional water column profile monitoring.

2.7. **Surface Runoff and Mine Drainage Control**

2.7.1 To the maximum extent possible, seepage and runoff from the open pits, from the waste rock dumps, and from down gradient of the tailings impoundment shall be collected and conveyed to the tailings impoundment or Gibraltar East Pit as appropriate.

2.7.2 Surface runoff from undisturbed areas shall be diverted so that it does not flow to the tailings impoundment, or to the mine and mill area.

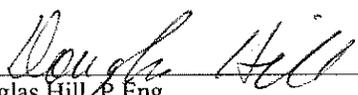
2.7.3 Surface runoff control works shall be provided for all areas disturbed by open pits, waste rock dumps, and the mill and ore storage areas. The surface runoff control system shall convey all flows up to a 1 in 10 year 24 hour storm event, and shall withstand all flows without significant physical damage up to a 1 in 200 year 24 hour storm event.

2.7.4 The tailings impoundment main embankment shall provide at least 4.5 metres of freeboard and the tailings impoundment saddle dams shall provide at least 2.5 metres of freeboard, all other effluent storage ponds, seepage ponds and surface runoff settling ponds shall provide at least 0.5 metres of freeboard, up to a 1 in 200 year 24 hour storm event. If at any time the freeboard in the tailings impoundment main embankment is reduced to less than 4.5 metres, or to less than 2.5 metres for the tailings impoundment saddle dams, or to less than 0.5 metre in any other pond, the Permittee shall take appropriate remedial action and notify the Regional Manager, Environmental Protection following the procedures in section 2.3 of this permit. After initially reporting such an occurrence, the Permittee shall report the freeboard weekly until such time as permit compliance is re-established. Freeboard is defined as the difference in elevation between the contained liquid level and the top of the berm structure at its lowest point. The lowest point does not include spillways where a discharge is authorised or where the supernatant overflows to downstream collection works.

2.7.5 Sedimentation of watercourses shall be prevented during construction and operation of any mine works or facilities. The Director may specify and require implementation of additional measures to prevent sedimentation of watercourses caused by construction or operational activity at the site.

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2.7.6 All ponds, ditching, and other runoff or seepage collection and diversion works shall be inspected at least twice per year, once in the spring after freshet and once in the fall before freeze-up. Records of these inspections shall be maintained for inspection.

2.7.7 Mine site runoff, seepage water, or pit water may be used to control dust within the area served by the surface drainage collection system. The Permittee shall recycle tailings impoundment supernatant to the maximum extent practicable while the concentrator is operating.

2.8. **Environmental Emergency Response Plan**

The Permittee shall maintain an Environmental Emergency Response Plan which includes adequate procedures for responding to all probable environmental emergencies associated with the Gibraltar Mine operation and mine site area, including the suspension of discharge of effluent to the Fraser River if required. The Permittee shall keep this plan up to date, and appropriate mine personnel shall be made aware of its contents. The Permittee shall provide the Regional Manager, Environmental Protection with any updates to this plan within 30 days of adoption of the plan update. The Director may require periodic review of the response plan, and/or a report on any emergency event associated with the mine operation or occurring at the mine site.

2.9. **Adaptive Management Plan**

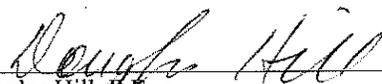
The Permittee shall develop and implement an adaptive management plan for managing tailings pond supernatant. The purpose of the plan is to provide terms of reference for reviewing the authorised discharge to the Fraser River twelve months after commencing the discharge to the river, then again 12 months later, then once every five years. The review shall consider findings from the monitoring program, updates to the water balance, information presented in annual reports, and other relevant sources of information. The review shall also address attainment of objectives for key water quality parameters in the receiving environment. Each review will recommend what actions or permit amendments, if any, are advisable to limit impacts from current or future tailings impoundment supernatant discharges to the environment and to ensure compliance with permit requirements. The Director shall consider these recommendations and may make amendments to the permit that the Director considers necessary for the protection of the environment.

The first review shall assess the results of the field tracer study, evaluate the accuracy of the 2009 Hayco plume model, and determine if the discharge has resulted in an increase in cadmium or copper outside the initial dilution zone. If in the opinion of the Director the plume modelling is deemed inaccurate, or there is an unacceptable increase in copper or cadmium beyond 100 metres downstream

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of the discharge, or unacceptable biological impacts are occurring, the Director may require that an additional field tracer study be conducted, an additional plume modelling study be conducted, additional biological monitoring be conducted, and/or may suspend or limit the discharge.

Each review will be conducted to include involvement of local First Nations and key interested parties through an advisory committee facilitated by the Permittee and following terms of reference satisfactory to the Director. Any amendments to the Adaptive Management Plan shall be submitted to the Regional Manager, Environmental Protection within 30 days of being adopted.

2.10. **Posting of Security**

The Permittee shall maintain security with the Minister of Finance, as a condition of the Permit Approving Work System and Reclamation Program issued by the Ministry of Energy, Mines and Petroleum Resources pursuant to the Mines Act.

3. **MONITORING AND REPORTING REQUIREMENTS**

3.1. **Sampling Procedures**

Sampling is to be carried out in accordance with the procedures described in the "British Columbia Field Sampling Manual for Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples, 2003 Edition (Permittee)", or most recent edition, or by suitable alternative procedures as authorized by the Director.

A copy of the above manual may be purchased from the Queen's Printer Publications Centre, P. O. Box 9452, Stn. Prov. Gov't. Victoria, British Columbia, V8W 9V7 (1-800-663-6105 or (250) 387-6409). A copy of the manual is also available for inspection at all Environmental Protection offices.

3.2. **Outfall and Pipeline Inspection**

The pipeline shall have a leak detection system installed, and the Permittee shall develop and implement a routine visual inspection program for the outfall and pipeline. Records of inspections and checks on the leak detection system shall be maintained for review by the Regional Manager, Environmental Protection.

Additionally, the Permittee shall ensure that comprehensive inspection and testing of the outfall and pipeline is conducted, including underwater inspection of the outfall, once each five years by a qualified professional to ensure they are in good working condition. An inspection report with recommended remedial actions, if required, shall be submitted to the Regional Manager, Environmental Protection,

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within 60 days after the inspection date. The first report shall be submitted within six months of commencing a discharge.

3.3. **Flow Measurement**

The Permittee shall measure and record the following:

- (a) tonnes of solids discharged to the tailings impoundment each day;
- (b) cubic metres of water discharged to the tailings impoundment each day;
- (c) cubic metres of supernatant recycled to the mill from the tailings impoundment each day;
- (d) cubic metres of seepage pond supernatant recycled or returned each day;
- (e) cubic metres of effluent discharged to the Gibraltar East Pit each day; and,
- (f) cubic metres of effluent discharged to the Fraser River on a continuous basis.

The Permittee shall provide and maintain a suitable flow measuring device, and measure and record on a continuous basis the stream flow at a suitable location on the East Fork of Cuisson Creek. The flow measuring device shall be checked and calibrated at least annually.

3.4. **Water and Effluent Sampling**

The Permittee shall collect grab samples from the locations and at the frequencies listed in Table 1 and Table 2 of this permit. Suitable sampling facilities shall be installed at all sample locations. Proper care should be taken in sampling, storing and transporting the samples to adequately control temperature and avoid contamination, breakage, etc.

3.5. **Analysis**

Samples collected in accordance with section 3.4 shall be analysed for the characteristics listed in Table 3. The minimum detection limits for the analyses shall be as listed in Table 3.

Analyses are to be carried out in accordance with procedures described in the "British Columbia Environmental Laboratory Manual for the Analysis of Water, Wastewater, Sediment, Biological Materials and Discrete Ambient Air Samples (2007 Edition)", or the most recent edition, or by suitable alternative procedures as authorized by the Director.

A copy of the above manual may be purchased from the Queen's Printer Publications Centre, P. O. Box 9452, Stn. Prov. Gov't. Victoria, British Columbia, V8W 9V7 (1-800-663-6105 or (250) 387-6409), and are also available for inspection at all Environmental Protection offices.

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3.6. **Biological, Toxicity and Environmental Effects Monitoring Program**

The Permittee shall conduct monthly toxicity testing on rainbow trout and *Daphnia magna* of tailings pond supernatant collected at the final outfall. The 96-hr LC₅₀ rainbow trout toxicity test shall be carried out in accordance with the procedures described in "Biological Test Method: Reference Method for Determining Acute Lethality of Effluent to Rainbow Trout", (EPS 1/RM/13 Second Edition – December 2000). The 48-hr LC₅₀ *Daphnia Magna* toxicity test shall be conducted in accordance with the procedures described in "Biological Test Method: Reference Method for Determining Acute Lethality of Effluent to *Daphnia magna*," (EPS 1/RM/14, Second Edition – December 2000).

Sublethal toxicity testing of tailings impoundment supernatant collected at the Fraser River outfall shall be conducted on a fish species, an invertebrate species, a plant species, and an algal species at least twice annually in accordance with the procedures of the Metal Mining Effluent Regulation (pursuant to Subsections 34(2), 36(5) and 38(9) of the federal *Fisheries Act*).

A river water quality monitoring program shall be designed and conducted by a qualified professional to verify the modelling of the initial dilution zone and effluent dispersion and to assess attainment of receiving environment water quality guidelines downstream of the outfall for all applicable uses. The verification of the plume model shall include a field tracer study conducted at at least two different river flow levels and completed in accordance with "Revised Technical Guidance On How To conduct Effluent Plume Delineation Studies", NWRI, March 2003.

A sediment monitoring program shall be designed and conducted by a qualified professional to assess attainment of receiving environment sediment quality guidelines and to monitor for accumulation of metals in sediments within 5 km downstream of the outfall.

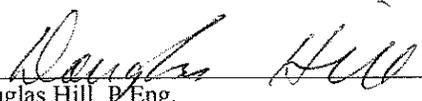
The Permittee shall develop an Environmental Effects Monitoring program in accordance with the Metal Mining Effluent Regulation (pursuant to Subsections 34(2), 36(5) and 38(9) of the federal *Fisheries Act*), to assess impacts on the receiving environment. The program shall include an initial site characterization and habitat description, including identification of all near field downstream depositional areas of the river and a survey of aquatic plants which is completed prior to commencement of the discharge.

An updated study design for the river water and sediment quality monitoring, toxicity testing and Environmental Effects Monitoring program developed by a qualified professional shall be submitted to the Regional Manager, Environmental Protection before commencement of the discharge. The Permittee shall provide the Regional Manager, Environmental Protection with any updates to the

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Environmental Effects Monitoring program within 30 days of adoption of the changes.

The biological monitoring program shall also include monitoring and assessment for metal bioaccumulation and potential resultant health impacts on sturgeon that inhabit the discharge area, or that may be exposed to the effluent. To meet this requirement, the Permittee shall participate in a sturgeon contaminant monitoring program that includes monitoring of metal concentration in the tissue of sturgeon captured downstream of the effluent outfall. The monitoring program shall be conducted in accordance with a monitoring plan developed by the ministry in consultation with the Permittee and other program participants.

3.7. **Hydrogeological Assessment**

The Permittee shall conduct an ongoing hydrogeological monitoring and assessment program. A report reviewing the site hydrogeology and groundwater chemistry shall be completed by a qualified professional every five years. After each review, refinements to the program shall be made based on the ongoing findings and recommendations of these assessments.

3.8. **Quality Assurance**

The Permittee shall maintain a "Quality Assurance Manual" consistent with the "British Columbia Field Sampling Manual for Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples, 2003 Edition (Permittee)", or most recent edition. The Permittee shall ensure that all data submitted as a requirement of this permit is produced in accordance with the quality assurance manual, that data is handled and reviewed in accordance with a standard protocol, and is accompanied by quality assurance data required by this manual. The Permittee shall provide the Regional Manager, Environmental Protection with any updates to this manual within 30 days of adoption of the update.

Analyses of samples for parameters designated under the Environmental Data Quality Assurance Regulation shall be at a laboratory registered for the designated parameter. In addition, the Permittee shall participate in quality assurance audits as required by this regulation.

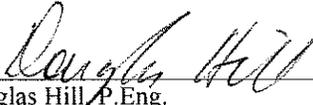
3.9. **Quarterly Reporting**

Maintain data of field measurements, water and effluent samples analyses, flow measurements, toxicity testing, and quality assurance data for inspection and submit the data, suitably tabulated, to the Regional Manager, Environmental Protection, for the previous quarterly. All reports shall be submitted within 60 days of the end of each three month period. Water and effluent sample data

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required by this permit shall be submitted in an electronic format suitable for entry into the provincial database system known as EMS.

In the event that any monitoring requirement stipulated in this permit is not met the Permittee shall document the occurrence and provide an explanation for the omission in the quarterly report for that period.

3.10. **Annual Environmental and Reclamation Report**

The Permittee shall submit a comprehensive annual report by April 1st of each year. The annual report shall include:

3.10.1 An evaluation of the impacts of the mining and milling operations on the receiving environment;

3.10.2 Results of any investigations of available alternate collection and treatment options for open pit and rock dump drainage.

3.10.3 A summary of all water quality and hydrology monitoring data for the previous calendar year, employing tables and graphs where appropriate to indicate trends in key water quality parameters, and including an assessment of relevant quality assurance data;

3.10.4 Results of any assessments related to water quality objective attainment, including any results of investigations into improving detection limits for metals or into the potential causes of trends in key water quality parameters;

3.10.5 The results of all ongoing hydrogeological assessment work;

3.10.6 The results of ongoing mine drainage chemistry studies. This shall include a review of any new acid seeps accompanied by a suitably scaled map showing the locations of the seepages;

3.10.7 The results and analyses of the ongoing review of the site water balance, tailings impoundment seepage conditions, and water management plan; and,

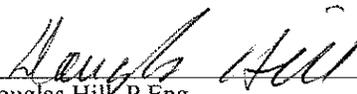
3.10.8 The results any efforts to reduce or treat source contaminants, and to recycle, evaporate or conserve water.

The format of the annual report shall be suitable for review by the public or other government agencies. A copy of the annual report shall be placed at the McLeese Lake Public Library within 30 days of submission to Environmental Protection. The Director may require modifications to the monitoring program based on the evaluation of the annual report and on any other information collected by Environmental Protection in connection with this discharge.

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Table 1: Surface Water Sample Sites and Monitoring Frequency

SITE NAME	EMS SITE NO.	GIBRALTAR REFERENCE	MINIMUM FREQUENCY
OUTFALL AT FRASER RIVER	E261604		2W**
FINAL TAILS PUMP BOX	E208092		D
GIBRALTAR EAST PIT SUPERNATANT	E244555	303	M
LEWIS CREEK AT MINE ACCESS ROAD	0600332	107	M
EAST FORK CUISSON CREEK 375M UPSTREAM OF MOFFAT LAKE ROAD (CUISSON CREEK CONTROL)	E207578	101	M
EAST FORK OF CUISSON CREEK BELOW SEEPAGE POND DISCHARGE (CUISSON CREEK LOWER)	0600033	104	M
CUISSON CREEK AT BC HYDRO POWERLINE	E207584	218	4X/YR
LEWIS CREEK LOWER	0800001	102	M
TAILINGS IMPOUNDMENT SUPERNATANT	E214755	105	4X/YR
LEWIS CREEK CONTROL	E217191	106	M
TAILINGS IMPOUNDMENT SEEPAGE POND SUPERNATANT	0601004	111	M
CUISSON CREEK AT OUTLET OF SOURAN LAKE	0800002	109	4X/YR
SADDLE DAM SEEPAGE	E207500	114	4X/YR
CUISSON CREEK AT OUTLET OF CUISSON LAKE	E207501	112A	4X/YR
GRANITE CREEK AT INDIAN RESERVE	E207494	110	4X/YR
PIERCE CREEK U/S OF MINE ACCESS ROAD	E207498	113	4X/YR
CUISSON CREEK AT OUTLET OF VALERIE LAKE (BUSHIE LAKE OUTLET)	E207502	108	4X/YR
LEACHATE CONTROL POND NO.4	E207503	SDC-4	4X/YR
FINGER DRAIN 1	E207504	FD-14	A
FINGER DRAIN 2	E207505	FD-08	A
FINGER DRAIN 3	E207506	FD-06	A
FINGER DRAIN 4	E207507	FD-01	A
FINGER DRAIN 5	E207508	FD-13	A
FINGER DRAIN 6	E207509	FD-9	A

D = daily; M = monthly; 4x/yr = four times per year on a seasonal basis such that each of the four seasons (winter, spring, summer, and fall) are represented; A = annually; 2W = every two weeks

** except continuous for pH, temperature, conductivity and turbidity

Date Issued: July 13, 1971
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 (most recent)
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 Douglas Hill, P.Eng.
 for Director, Environmental Management Act
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Table 2: Groundwater sample sites and monitoring frequency

SITE NAME	EMS SITE NO.	GIBRALTAR REFERENCE	FREQUENCY
TAILINGS AQUIFER - SW	E261601/E261602	MW99-9 A & B	A
TAILINGS AQUIFER - NE	E261599/E261600	MW99-8 A & B	A
PIERCE CREEK AQUIFER	E261603	OW - 4 B	A
SADDLE DAM AQUIFER	E261597/E261598	MW91-7 A & B	A
LOWER LEWIS CREEK AQUIFER	E264589	MW06-5	2X/YR
GRANITE CREEK AQUIFER	E264588	MW06-4	2X/YR
LOWER No.5 DUMP SEEPAGE ZONE	E264587	MW06-3	2X/YR
UPPER No.5 DUMP SEEPAGE ZONE	E269711/E269712	MW07-4 (A/B)	2X/YR
No.4 DUMP SEEPAGE ZONE	E264583/E264585	MW06-1 (A/B)	2X/YR
CUISSON CREEK AQUIFER	E242964/E242964	MW99-10(A/B)	A

A = annually; 2x/yr = two times per year in spring and fall

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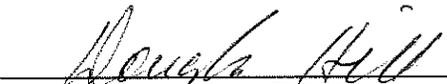

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 Cariboo Region
 PERMIT: PE-00416

Table 3: Characteristics to be Analyzed

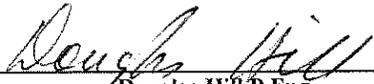
(All units are in mg/L unless otherwise specified; *MDL = Minimum Detection Limit; ** minimum units of resolution; FIELD = measured in field at monitoring site)

CHARACTERISTIC	SITE	MDL*
PH (FIELD)	ALL SITES	0.1 PH UNITS **
TEMPERATURE (FIELD)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX	0.1 °C**
SPECIFIC CONDUCTIVITY (FIELD)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX	5 µS/CM**
TOTAL DISSOLVED GAS (FIELD)	FRASER RIVER OUTFALL	1 MM HG**
TURBIDITY (FIELD)	FRASER RIVER OUTFALL	1 NTU**
TOTAL EXTRACTABLE HYDROCARBON	FINAL TAILS PUMP BOX (ONCE PER MONTH)	1
NON-FILTERABLE RESIDUE	ALL SITES, EXCEPT GROUNDWATER SITES & E208092	2
FILTERABLE RESIDUE	ALL SITES, EXCEPT FINAL TAILS PUMP BOX	10
HARDNESS	ALL SITES, EXCEPT FINAL TAILS PUMP BOX	1
ACIDITY	303, SDC-4	1
ALKALINITY (TOTAL)	ALL SITES EXCEPT: FINGER DRAINS, SDC-4105	1
SULPHATE (DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX	1
CHLORIDE	ALL SITES, EXCEPT FINAL TAILS PUMP BOX	0.5
AMMONIA	FRASER RIVER OUTFALL	0.005
NITRATE	FRASER RIVER OUTFALL	0.005
NITRATE PLUS NITRITE, AS N	101, 104, 107, 113, MW06-1(A/B), MW06-5, MW06-4, MW06-3, MW07-4(A/B), OW-4B, MW91-7A&B, FRASER RIVER OUTFALL	0.005
DISSOLVED ORGANIC CARBON	FRASER RIVER OUTFALL	1
ALUMINUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT TAILINGS DISCHARGE LINE, DISSOLVED ONLY AT GROUNDWATER SITES	0.01
ANTIMONY (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.001
ARSENIC (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.001
BARIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.0005
BORON (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.1
CADMIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.0005
CALCIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.2
CHROMIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.005
COBALT (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.001
COPPER (TOTAL & DISSOLVED)	ALL SITES, FINAL TAILS PUMP BOX DISSOLVED ONLY AT	0.001

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	GROUNDWATER SITES	
IRON (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.02
MAGNESIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.05
MANGANESE (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.0005
MOLYBDENUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.0005
NICKEL (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.005
POTASSIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.5
SELENIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT GROUNDWATER SITES & FINAL TAILS PUMP BOX ALL GROUNDWATER SITES, DISSOLVED ONLY	0.0005 0.001
STRONTIUM (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.001
ZINC (TOTAL & DISSOLVED)	ALL SITES, EXCEPT FINAL TAILS PUMP BOX, DISSOLVED ONLY AT GROUNDWATER SITES	0.01

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(most recent)

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 Douglas Hill P.Eng.
 for Director, Environmental Management Act
 Cariboo Region
 PERMIT: PE-00416

Gibraltar Mine - Leases and Claims

18-Mar-04

Mineral Claims and Leases located in Cariboo Mining Division, British Columbia

<u>OWNER</u>	<u>CLAIM NAME</u>	<u>TENURE</u>	<u>UNITS</u>	<u>EXPIRY DATE</u>
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Fee Simple Claims

Gibraltar

Lot 3728

Number of Fee Simple titles held: 1 (comprising units).

Leased Claims

Gibraltar	L 4137	207512	109	11-Jun-04
Gibraltar	L 12991	352646	61	25-Jun-04
Gibraltar	L 3596	207491	117	26-Jul-04
Gibraltar	L 3597	207492	36	26-Jul-04
Gibraltar	L 3598	207493	83	26-Jul-04
Gibraltar	L 3599	207494	58	26-Jul-04
Gibraltar	L 3600	207495	70	26-Jul-04
Gibraltar	L 3601	207496	67	26-Jul-04
Gibraltar	L 3602	207497	74	26-Jul-04
Gibraltar	L 3603	207498	144	26-Jul-04
Gibraltar	L 3604	207499	96	26-Jul-04
Gibraltar	L 3705	207500	13	26-Jul-04
Gibraltar	L 3706	207501	17	26-Jul-04
Gibraltar	L 3707	207502	4	26-Jul-04
Gibraltar	L 3708	207503	120	26-Jul-04
Gibraltar	L 3709	207504	1	26-Jul-04
Gibraltar	L 3710	207505	29	26-Jul-04
Gibraltar	L 3711	207506	173	26-Jul-04
Gibraltar	L 3712	207507	1	26-Jul-04
Gibraltar	L 3713	207508	37	26-Jul-04
Gibraltar	L 4143	207515	29	11-Oct-04
Gibraltar	L 4142	207516	73	11-Oct-04
Gibraltar	L 4147	207517	153	11-Oct-04
Gibraltar	L 4148	207518	34	11-Oct-04
Gibraltar	L 4149	207519	21	11-Oct-04
Gibraltar	L 4150	207520	38	11-Oct-04
Gibraltar	L 4146	306737	9	11-Oct-04
Gibraltar	L 4136	207511	65	23-Oct-04
Gibraltar	L 4138	207513	59	23-Oct-04
Gibraltar	L 4139	207514	114	23-Oct-04

Number of Leased titles held: 30 (comprising 1905 units).

Mineral Claims

Gibraltar	GL 1	401834	12	22-Apr-04
Gibraltar	TML 1	403938	1	24-Jul-04
Gibraltar	TML 2	403939	1	24-Jul-04
Gibraltar	TML 3	403940	1	24-Jul-04
Gibraltar	TML 4	403941	1	24-Jul-04
Gibraltar	TML 5	403942	1	24-Jul-04
Gibraltar	TML 6	403943	1	24-Jul-04
Gibraltar	TK 5	406338	20	19-Oct-04
Gibraltar	ZIP #1	203987	1	15-Feb-11
Gibraltar	HY 1	204104	4	15-Feb-11
Gibraltar	HY 4	204105	6	15-Feb-11
Gibraltar	HY 6	204106	4	15-Feb-11
Gibraltar	HY 7	204107	3	15-Feb-11
Gibraltar	TIM 1	204115	2	15-Feb-11
Gibraltar	COLE 1	204116	9	15-Feb-11
Gibraltar	GEOFF 1	204159	9	15-Feb-11

Gibraltar Mine - Leases and Claims

18-Mar-04

Mineral Claims and Leases located in Cariboo Mining Division, British Columbia

OWNER	CLAIM NAME	TENURE	UNITS	EXPIRY DATE
Gibraltar	DOUG I	204160	3	15-Feb-11
Gibraltar	RYAN I	204161	1	15-Feb-11
Gibraltar	AARON I	204162	1	15-Feb-11
Gibraltar	BARB I	204217	12	15-Feb-11
Gibraltar	BRENT I	204218	6	15-Feb-11
Gibraltar	JANIS I	204219	3	15-Feb-11
Gibraltar	HY 8	204300	3	15-Feb-11
Gibraltar	HY 9	204301	2	15-Feb-11
Gibraltar	HY 10	204302	12	15-Feb-11
Gibraltar	HY 11	204303	9	15-Feb-11
Gibraltar	HY 12	204304	14	15-Feb-11
Gibraltar	HY 13	204305	6	15-Feb-11
Gibraltar	HY 14	204306	7	15-Feb-11
Gibraltar	HY 15	204307	6	15-Feb-11
Gibraltar	HY 16	204308	4	15-Feb-11
Gibraltar	HY 17	204309	2	15-Feb-11
Gibraltar	HY 5	204316	10	15-Feb-11
Gibraltar	HY 3	204317	9	15-Feb-11
Gibraltar	HY 18	204378	1	15-Feb-11
Gibraltar	HY 19	204443	2	15-Feb-11
Gibraltar	HY 20	204444	2	15-Feb-11
Gibraltar	KATE I	204516	12	15-Feb-11
Gibraltar	WD I	204517	6	15-Feb-11
Gibraltar	BRUCE I	204518	12	15-Feb-11
Gibraltar	PAUL I	204519	12	15-Feb-11
Gibraltar	ZE 3	204539	20	15-Feb-11
Gibraltar	HY 22	204914	2	15-Feb-11
Gibraltar	ZE 7	204975	2	15-Feb-11
Gibraltar	GUY #1	205678	18	15-Feb-11
Gibraltar	TK 1	207143	2	15-Feb-11
Gibraltar	TK 2	207144	2	15-Feb-11
Gibraltar	TK 3	207198	4	15-Feb-11
Gibraltar	TK 4 FR	207199	1	15-Feb-11
Gibraltar	GM 29	207610	1	15-Feb-11
Gibraltar	GM 30	207611	1	15-Feb-11
Gibraltar	GM 31	207612	1	15-Feb-11
Gibraltar	GM 32	207613	1	15-Feb-11
Gibraltar	GM 33	207614	1	15-Feb-11
Gibraltar	GM 34	207615	1	15-Feb-11
Gibraltar	GM 35	207616	1	15-Feb-11
Gibraltar	GM 36	207617	1	15-Feb-11
Gibraltar	GM 37	207618	1	15-Feb-11
Gibraltar	GM 38	207619	1	15-Feb-11
Gibraltar	GM 39	207620	1	15-Feb-11
Gibraltar	GM 40	207621	1	15-Feb-11
Gibraltar	GM 49	207622	1	15-Feb-11
Gibraltar	GM 50	207623	1	15-Feb-11
Gibraltar	GM 51	207624	1	15-Feb-11
Gibraltar	GM 52	207625	1	15-Feb-11
Gibraltar	GM 59	207626	1	15-Feb-11
Gibraltar	GM 60	207627	1	15-Feb-11
Gibraltar	GM 61	207628	1	15-Feb-11
Gibraltar	GM 62	207629	1	15-Feb-11
Gibraltar	GM 63	207630	1	15-Feb-11

Gibraltar Mine - Leases and Claims

18-Mar-04

Mineral Claims and Leases located in Cariboo Mining Division, British Columbia

OWNER	CLAIM NAME	TENURE	UNITS	EXPIRY DATE
Gibraltar	GM 65	207632	1	15-Feb-11
Gibraltar	GM 66	207633	1	15-Feb-11
Gibraltar	GM 67	207634	1	15-Feb-11
Gibraltar	GM 68	207635	1	15-Feb-11
Gibraltar	GM 69	207636	1	15-Feb-11
Gibraltar	GM 70	207637	1	15-Feb-11
Gibraltar	GM 71	207638	1	15-Feb-11
Gibraltar	GM 72	207639	1	15-Feb-11
Gibraltar	GM 73	207640	1	15-Feb-11
Gibraltar	GM 83	207642	1	15-Feb-11
Gibraltar	GM 85	207643	1	15-Feb-11
Gibraltar	JAN NO. 5	207644	1	15-Feb-11
Gibraltar	JAN NO. 6	207645	1	15-Feb-11
Gibraltar	AL #1	207646	1	15-Feb-11
Gibraltar	AL #2	207647	1	15-Feb-11
Gibraltar	AL #3	207648	1	15-Feb-11
Gibraltar	AL #4	207649	1	15-Feb-11
Gibraltar	AL #5	207650	1	15-Feb-11
Gibraltar	AL #6	207651	1	15-Feb-11
Gibraltar	AL #7	207652	1	15-Feb-11
Gibraltar	AL #8	207653	1	15-Feb-11
Gibraltar	AL #9	207654	1	15-Feb-11
Gibraltar	AL #10	207655	1	15-Feb-11
Gibraltar	AL #11	207656	1	15-Feb-11
Gibraltar	AL #12	207657	1	15-Feb-11
Gibraltar	SUMMIT NO.7	207658	1	15-Feb-11
Gibraltar	SUMMIT NO.8	207659	1	15-Feb-11
Gibraltar	GM 103	207660	1	15-Feb-11
Gibraltar	GM 104	207661	1	15-Feb-11
Gibraltar	GM 105	207662	1	15-Feb-11
Gibraltar	EV #9	207682	1	15-Feb-11
Gibraltar	EV #10	207683	1	15-Feb-11
Gibraltar	EV #11	207684	1	15-Feb-11
Gibraltar	EV #12	207685	1	15-Feb-11
Gibraltar	EV #13	207686	1	15-Feb-11
Gibraltar	EV #14	207687	1	15-Feb-11
Gibraltar	EV #15	207692	1	15-Feb-11
Gibraltar	EV #16	207693	1	15-Feb-11
Gibraltar	EV #17	207694	1	15-Feb-11
Gibraltar	EV #18	207695	1	15-Feb-11
Gibraltar	EV #19	207696	1	15-Feb-11
Gibraltar	EV #20	207697	1	15-Feb-11
Gibraltar	BUD #5	207698	1	15-Feb-11
Gibraltar	BUD #6	207699	1	15-Feb-11
Gibraltar	IT NO. 1	207700	1	15-Feb-11
Gibraltar	IT NO. 4	207701	1	15-Feb-11
Gibraltar	IT NO. 5	207702	1	15-Feb-11
Gibraltar	IT NO. 6	207703	1	15-Feb-11
Gibraltar	IT NO. 8	207704	1	15-Feb-11
Gibraltar	VAL NO.1	207705	1	15-Feb-11
Gibraltar	VAL NO.2	207706	1	15-Feb-11
Gibraltar	VAL NO.3	207707	1	15-Feb-11
Gibraltar	VAL NO.4	207708	1	15-Feb-11
Gibraltar	VAL NO.5	207709	1	15-Feb-11

Gibraltar Mine - Leases and Claims

18-Mar-04

Mineral Claims and Leases located in Cariboo Mining Division, British Columbia

OWNER	CLAIM NAME	TENURE	UNITS	EXPIRY DATE
Gibraltar	VAL NO.6	207710	1	15-Feb-11
Gibraltar	VAL NO.7	207711	1	15-Feb-11
Gibraltar	VAL NO.8	207712	1	15-Feb-11
Gibraltar	VAL NO.9	207713	1	15-Feb-11
Gibraltar	VAL NO.10	207714	1	15-Feb-11
Gibraltar	VAL NO.11	207715	1	15-Feb-11
Gibraltar	VAL NO.12	207716	1	15-Feb-11
Gibraltar	VAL NO.14	207717	1	15-Feb-11
Gibraltar	VAL NO.19	207718	1	15-Feb-11
Gibraltar	VAL NO.20	207719	1	15-Feb-11
Gibraltar	VAL NO.21	207720	1	15-Feb-11
Gibraltar	VAL NO.22	207721	1	15-Feb-11
Gibraltar	VAL NO.27	207722	1	15-Feb-11
Gibraltar	FFE #13	207723	1	15-Feb-11
Gibraltar	FFE #14	207724	1	15-Feb-11
Gibraltar	FFE #15	207725	1	15-Feb-11
Gibraltar	FFE #16	207726	1	15-Feb-11
Gibraltar	FFE #17	207727	1	15-Feb-11
Gibraltar	FFE #19	207728	1	15-Feb-11
Gibraltar	BUD 7	207729	1	15-Feb-11
Gibraltar	BUD 8	207730	1	15-Feb-11
Gibraltar	EV 21	207731	1	15-Feb-11
Gibraltar	EV 22	207732	1	15-Feb-11
Gibraltar	HD #5	207733	1	15-Feb-11
Gibraltar	HD #6	207734	1	15-Feb-11
Gibraltar	HD #7	207735	1	15-Feb-11
Gibraltar	HD #8	207736	1	15-Feb-11
Gibraltar	HD #20	207737	1	15-Feb-11
Gibraltar	GM 48	207748	1	15-Feb-11
Gibraltar	PINE TREE #1	207749	1	15-Feb-11
Gibraltar	PINE TREE #2	207750	1	15-Feb-11
Gibraltar	FLO #2 FR.	207751	1	15-Feb-11
Gibraltar	FLO #3 FR.	207752	1	15-Feb-11
Gibraltar	FLO #4 FR.	207753	1	15-Feb-11
Gibraltar	PINE TREE #3	207754	1	15-Feb-11
Gibraltar	PINE TREE #4	207755	1	15-Feb-11
Gibraltar	PINE TREE #5	207756	1	15-Feb-11
Gibraltar	PINE TREE #6	207757	1	15-Feb-11
Gibraltar	CAROL #4 FR	207758	1	15-Feb-11
Gibraltar	CAROL #6 FR	207759	1	15-Feb-11
Gibraltar	CAROL #7 FR	207760	1	15-Feb-11
Gibraltar	H.A. #1	207763	1	15-Feb-11
Gibraltar	H.A. #2	207764	1	15-Feb-11
Gibraltar	H.A. #3	207765	1	15-Feb-11
Gibraltar	H.A. #4	207766	1	15-Feb-11
Gibraltar	HAS 2	207767	1	15-Feb-11
Gibraltar	HAS 12	207768	1	15-Feb-11
Gibraltar	HAS 13	207769	1	15-Feb-11
Gibraltar	HAS 14	207770	1	15-Feb-11
Gibraltar	HAS 15	207771	1	15-Feb-11
Gibraltar	HAS 16	207772	1	15-Feb-11
Gibraltar	HAS 17	207773	1	15-Feb-11
Gibraltar	HAS 18	207774	1	15-Feb-11
Gibraltar	HAS 19	207775	1	15-Feb-11

Gibraltar Mine - Leases and Claims

18-Mar-04

Mineral Claims and Leases located in Cariboo Mining Division, British Columbia

OWNER	CLAIM NAME	TENURE	UNITS	EXPIRY DATE
Gibraltar	HAS 20	207776	1	15-Feb-11
Gibraltar	VE 21	207777	1	15-Feb-11
Gibraltar	VE 22	207778	1	15-Feb-11
Gibraltar	VAL #37	207779	1	15-Feb-11
Gibraltar	VAL #39	207780	1	15-Feb-11
Gibraltar	VAL #41	207781	1	15-Feb-11
Gibraltar	VAL #43	207782	1	15-Feb-11
Gibraltar	VAL #45	207783	1	15-Feb-11
Gibraltar	VAL #47	207784	1	15-Feb-11
Gibraltar	VAL #49	207785	1	15-Feb-11
Gibraltar	STU #1 FR.	207786	1	15-Feb-11
Gibraltar	STU #2 FR.	207787	1	15-Feb-11
Gibraltar	STU #3 FR.	207788	1	15-Feb-11
Gibraltar	STU #4 FR.	207789	1	15-Feb-11
Gibraltar	STU #5 FR.	207790	1	15-Feb-11
Gibraltar	STU #6 FR.	207792	1	15-Feb-11
Gibraltar	VAL #35	207793	1	15-Feb-11
Gibraltar	VAL #36	207794	1	15-Feb-11
Gibraltar	VAL #38	207795	1	15-Feb-11
Gibraltar	VAL #40	207796	1	15-Feb-11
Gibraltar	VAL #42	207797	1	15-Feb-11
Gibraltar	VAL #44	207798	1	15-Feb-11
Gibraltar	VAL #46	207799	1	15-Feb-11
Gibraltar	VAL #48	207800	1	15-Feb-11
Gibraltar	VAL #50	207801	1	15-Feb-11
Gibraltar	IT 3	207844	1	15-Feb-11
Gibraltar	GIB #18 FR.	207852	1	15-Feb-11
Gibraltar	GIB #19 FR.	207853	1	15-Feb-11
Gibraltar	GIB 20 FR.	207854	1	15-Feb-11
Gibraltar	SAP #5 FR.	207855	1	15-Feb-11
Gibraltar	G.J. 20	207871	1	15-Feb-11
Gibraltar	EV #3	207872	1	15-Feb-11
Gibraltar	BUD #2	207873	1	15-Feb-11
Gibraltar	EV #2	207874	1	15-Feb-11
Gibraltar	EV #1	207875	1	15-Feb-11
Gibraltar	BUD #3	207876	1	15-Feb-11
Gibraltar	FI #2	207877	1	15-Feb-11
Gibraltar	FI #4 FR	207878	1	15-Feb-11
Gibraltar	FLO #1	207879	1	15-Feb-11
Gibraltar	HA #5	207880	1	15-Feb-11
Gibraltar	HA #6	207881	1	15-Feb-11
Gibraltar	VAL #23	207882	1	15-Feb-11
Gibraltar	VAL #24	207883	1	15-Feb-11
Gibraltar	BUD #4	207884	1	15-Feb-11
Gibraltar	VAL #26	207885	1	15-Feb-11
Gibraltar	VAL #25	207886	1	15-Feb-11
Gibraltar	BUD #1	207887	1	15-Feb-11
Gibraltar	EV #4	207888	1	15-Feb-11
Gibraltar	GUY 2	320893	20	15-Feb-11
Gibraltar	GUY 3	358114	4	15-Feb-11
Gibraltar	TM1	372057	1	15-Feb-11
Gibraltar	TM2	372058	1	15-Feb-11
Gibraltar	TM3	372059	1	15-Feb-11
Gibraltar	TM4	372060	1	15-Feb-11

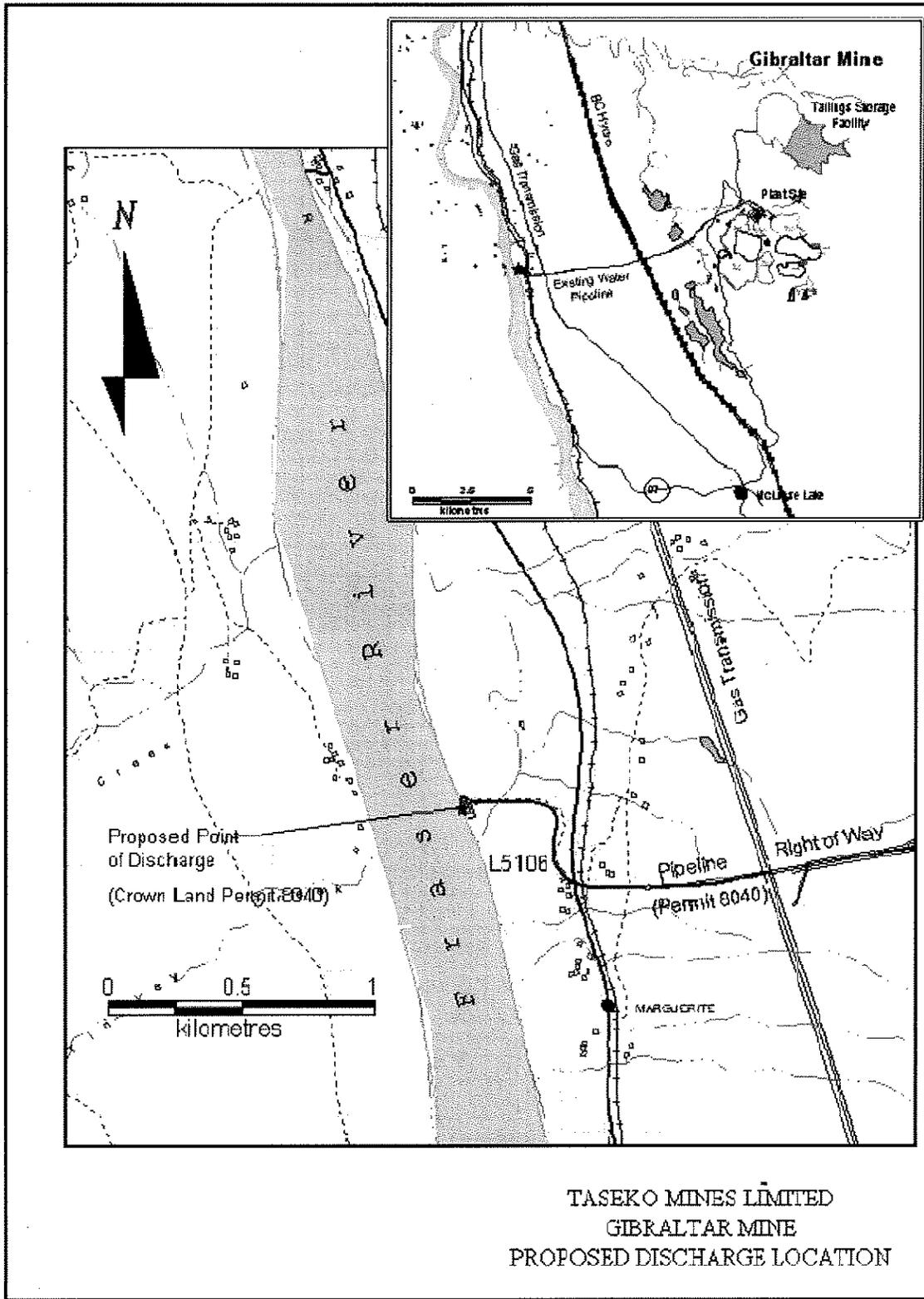
Gibraltar Mine - Leases and Claims

18-Mar-04

Mineral Claims and Leases located in Cariboo Mining Division, British Columbia

<i>OWNER</i>	<i>CLAIM NAME</i>	<i>TENURE</i>	<i>UNITS</i>	<i>EXPIRY DATE</i>
<i>Gibraltar</i>	TM5	372061	1	15-Feb-11
<i>Gibraltar</i>	TM6	372062	1	15-Feb-11
<i>Gibraltar</i>	TM7	372063	1	15-Feb-11
<i>Gibraltar</i>	TM8	372064	1	15-Feb-11
<i>Gibraltar</i>	HD1	374757	1	15-Feb-11
<i>Gibraltar</i>	HD2	374758	1	15-Feb-11
<i>Gibraltar</i>	HD3	374759	1	15-Feb-11
<i>Gibraltar</i>	HD4	374760	1	15-Feb-11
<i>Gibraltar</i>	HD5	374761	1	15-Feb-11
<i>Gibraltar</i>	HD6	374762	1	15-Feb-11
<i>Gibraltar</i>	HD 10	375871	1	15-Feb-11
<i>Gibraltar</i>	HD 11	375872	1	15-Feb-11
<i>Gibraltar</i>	HD 12	375873	1	15-Feb-11
<i>Gibraltar</i>	HD 13	375874	1	15-Feb-11
<i>Gibraltar</i>	HD 14	375875	1	15-Feb-11
<i>Gibraltar</i>	HD 15	375876	1	15-Feb-11
<i>Gibraltar</i>	HD 7	376489	7	15-Feb-11
<i>Gibraltar</i>	HD 8	376490	5	15-Feb-11
<i>Gibraltar</i>	HD 9	376491	3	15-Feb-11

Number of Mineral titles held: 251 (comprising 520 units).



PERMIT: PE-00416

Date: JUN 12 2009

Douglas Hill
Douglas Hill, P.Eng.
for Director, *Environmental Management Act*
Cariboo Region



File: PE-00416

Date: JUN 12 2009

REGISTERED: RW 336 438 600 CA

Gibraltar Mines Ltd.
P.O. Box 130
McLeese Lake BC V0L 1P0

Dear Permittee:

Enclosed is Amended Permit PE-00416 issued under the provisions of the *Environmental Management Act*. Your attention is respectfully directed to the terms and conditions outlined in the permit. An annual fee will be determined according to the Permit Fees Regulation.

This permit does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority rests with the Permittee. This permit is issued pursuant to the provisions of the *Environmental Management Act* to ensure compliance with Section 120(3) of that statute, which makes it an offence to discharge waste, from a prescribed industry or activity, without proper authorization. It is also the responsibility of the Permittee to ensure that all activities conducted under this authorization are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This decision may be appealed to the Environmental Appeal Board in accordance with Part 8 of the *Environmental Management Act*. An appeal must be delivered within 30 days from the date that notice of this decision is given. For further information, please contact the Environmental Appeal Board at (250) 387-3464.

Amendments to this permit may be initiated by the Director in accordance with Section 16 of the *Environmental Management Act*.

Administration of this permit will be carried out by staff from the Cariboo Region. Plans, data and reports pertinent to the permit are to be submitted to the Regional Manager, Environmental Protection, at Ministry of Environment, Regional Operations, Cariboo Region, Suite 400 - 640 Borland St., Williams Lake, BC V2G 4T1.

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