Appendix B

Table of Conditions

No.	Condition Topic/Issue	Condition (unless otherwise noted, all plans/information must be completed to the satisfaction of Environmental Assessment Office)
	ML/ARD	
1	Management of potentially acid-generating rock	All waste rock must be segregated into High potentially acid-generating, Low potentially acid-generating and Non- potentially acid-generating. Each of those categories of waste rock must be kept separate from each other in the waste rock dump.
2	Seepage from low grade ore stockpile	The Low Grade Ore stockpile must be placed on a low permeability, glacial till base.
3	Potential acid rock drainage from Cleaner Tailings	Cleaner tailings must be transported to the Tailings Storage Facility in a separate pipeline from rougher tailings and immediately and permanently saturated in the Tailings Storage Facility.
4	Neutral tailings for downstream construction and final tailings beaches	If tailings do not meet specifications for non-potentially acid-generating, then a sulphide removal circuit must be installed in the mill.
5	Cleaner tailings deposited near the final surface of the Tailings Storage Facility	Cleaner tailings must be placed in the open pit during processing of the low grade ore, at the end of open pit mining. The final Tailings Storage Facility configuration must ensure that cleaner tailings are covered with rougher tailings and that they remain permanently saturated.
6	Potentially acid-generating materials on closure	On closure, all potentially acid-generating waste rock and any unmilled low grade ore must be fully flooded at final closure. High potentially acid-generating rock and unmilled low grade ore must be placed in the bottom of the open pit. All potentially acid-generating waste rock and low grade ore must be placed into the open pit and be capped with non-potentially acid-generating rock and glacial till.
7	Insufficient volume in open pit to store potentially acid-generating rock and unmilled low grade ore on closure	If on an annual basis, the projected total volume of potentially acid-generating waste rock and low grade ore in any year of operation will surpass the available flooded backfill storage in the open pit for that year, then the surplus volume of potentially acid-generating material must be placed in the Tailings Storage Facility that year and flooded.

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8	Potentially acid-generating rock porewater effects	The pH of the potentially acid-generating pore water and the residual water in the open pit during placement of potentially acid-generating rock and any unmilled low-grade ore must be maintained at a pH 8, or at a number which in the opinion of the Ministry of Energy and Mines, is sufficient to limit the mobilization of metals.
9	Tailings Storage Facility seepage affects receiving streams and Morrison Lake	a) The Proponent must design and install a geomembrane liner in the Tailings Storage Facility area sufficient to ensure that the seepage rate from the Tailings Storage Facility does not exceed 10m3/hr. b) Without restricting paragraph (a), if any seepage from the Tailings Storage Facility to Morrison Lake or any streams occurs which exceeds any limits for seepage specified by the Ministry of Environment, the Proponent must: i. prepare a plan of measures to control the seepage in order to meet the limits; ii. obtain approval from Ministry of Environment for the plan; and, iii. implement the plan. c) Annual reports on updated groundwater seepage must be prepared by the Proponent and shared with Environmental Assessment Office, Ministry of Environment and Ministry of Energy and Mines.
10	Seepage of Potentially Acid Draining porewater from open pit into Morrison Lake	Following closure, the Proponent must maintain the elevation of the pit lake below the elevation of Morrison Lake to ensure no pit seepage discharge to Morrison Lake. Groundwater monitoring wells must be installed between the open pit and Morrison Lake to monitor potential seepage of contaminated water from the open pit to Morrison Lake. Morrison Lake water quality must be monitored at least twice each year (summer and winter) to ensure changes to water quality in the lake are detected.

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	Water Management	
11	Water Balance and water treatment plant and discharge to Morrison Lake	a) The Proponent must prepare an annual calculation of site water balance. b) If surplus water accumulates for more than two years and requires treatment according to the requirements of an *Environmental Management Act* Permit, the Proponent must: i. construct a water treatment plant; and, ii. collect, treat and discharge any excess contact water to Morrison Lake via a pipeline and diffuser. c) Any water discharged to Morrison Lake must meet - outside a mixing zone established by Ministry of Environment - either British Columbia Water Quality Guidelines, Site Specific Water Quality Objectives, or an alternative requirement defined by the requirements of an *Environmental Management Act* Permit.
12	Open Pit Water System after Closure	Once the pit is filled with potentially acid-draining rock on closure, the Proponent must collect and treat, when necessary according to the requirement of an *Environmental Management Act* Permit, all water from the open pit and then discharge it into Morrison Lake via a pipeline and diffuser.
13	Tailings Storage Facility water on closure	The Proponent must manage and/or treat the Tailings Storage Facility water pond beyond closure until such time as a direct discharge without management or treatment is authorized under the *Environmental Management Act*.
14	Morrison Lake characterization	The Proponent must develop, for EAO's approval, a plan to collect additional biological, physical and chemical information on Morrison Lake to further validate effects assessment provided during the environmental assessment. This information must also be used by the Proponent to support and supplement *Environmental Management Act* permitting and must be collected prior to applying for those permits. The plan must include, at the minimum, the following: additional baseline information on water quality, water chemistry, temperature and lake behaviour, including information on currents, flow regimes, and lake turnover, with a focus on those areas around the location of the proposed effluent diffuser. The plan should also indicate the period of time over which the information will be collected.
15	Morrison River	The Proponent must complete a plan, for the approval of the

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	flows	Department of Fisheries and Oceans and the Ministry of Forests, Lands and Natural Resource Operations, to measure year round water flows in Morrison River. The plan must include a follow-up monitoring program to verify the Proponent's predictions that there will be no adverse effects to physical fish habitat due to flow augmentation if flow augmentation is used as mitigation. Based on this plan, the Proponent must develop, for the approval of the Department of Fisheries and Oceans and the Ministry of Forests, Lands and Natural Resource Operations, an Instream Flow Requirement following the Instream Flow Incremental Methodology. The Instream Flow Requirement must be adhered to during operations.
	Fish Habitat Compensation Plan - Aquatics	
16	Fish	The Proponent must complete, prior to applying for *Mines Act/Environmental Management Act* permits, a baseline fish tissue sampling program in a reference lake with non-anadromous fish (Tochka Lake or another lake approved by Ministry of Environment) and another lake with anadromous fish. The program must be developed and implemented to the satisfaction of Ministry of Environment and Ministry of Forests, Lands and Natural Resources and in consultation with Gitxsan and Gitanyow Nations, Lake Babine Nation and Department of Fisheries and Oceans.
17	Spatial extent of spawning habitat	The Proponent must complete spawning surveys along the east shore of Morrison Lake from the confluence of Morrison Lake and Olympic Creek to the outflow of Morrison River from Morrison Lake, including dive surveys, to identify areas of shoreline and deep water spawning habitat. The Proponent must complete spawning habitat survey and mapping along the full length of Morrison River, including the low flow channels which may be affected during low flow periods, to support the development of the Instream Flow Requirement referenced in condition 15.The Proponent must prepare a plan for the spawning survey for Environmental Assessment Office's approval. The activities in the approved plan must be completed prior to the Proponent applying for *Mines Act/Environmental Management Act* permits. The Proponent must also develop a plan to reassess the spawning areas identified during the spawning surveys to determine if

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		spawning areas are being negatively impacted by the Project.
18	Fish presence in Morrison Lake	The Proponent must prepare and implement a plan, in consultation with Lake Babine Nation and Gitxsan and Gitanyow Nations, to measure annual sockeye salmon escapement in Morrison River and enumerate juvenile sockeye salmon in Morrison Lake, in order to advance the knowledge of fish populations, behaviour and distribution in Morrison Lake. The plan must be developed for the approval of Department of Fisheries and Oceans and Environmental Assessment Office.
19	EMP	The Proponent must develop the following Environmental Management Plans: • Fish and Fish Habitat Management Plan (Fisheries and Oceans Canada and Ministry of Forests, Lands and Natural Resource Operations); • Vegetation and Ecosystems Management Plan (Ministry of Forests, Lands and Natural Resource Operations); • Wildlife Management Plan (Ministry of Forests, Lands and Natural Resource Operations); • Green House Gas and Fugitive Dust (Ministry of Environment and Ministry of Forests, Lands and Natural Resource Operations); • Transportation and concentrate haulage management plan (Ministry of Forests, Lands and Natural Resource Operations and Ministry of Transportation and Infrastructure); and, • Social Management Plan (Environmental Assessment Office. The EMPs must be approved by the agency listed next to them prior to the Proponent applying for *Mines Act/Environmental Management Act* permits. The Proponent must consult with Lake Babine Nation on the development of these Environmental Management Plans and provide copies of the completed plans to Lake Babine Nation. The Proponent must consult with Gitxsan and Gitanyow Nations on the development of the Fish and Fish Habitat Environmental Management Plan. All plans must be implemented.

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	Monitoring	
20	Environmental Monitor	During Project construction, the Proponent must retain an independent Environmental Monitor. The monitor must: (a) Provide a report on his or her observations made during site inspections; (b) Identify corrective measures that the Proponent must undertake, if any, and report on those measures; and, (c) Report on the measures undertaken by the Proponent. The Proponent must implement all corrective measures identified by the monitor, unless the measures would be contrary to law, the conditions of this certificate, or direction from Fisheries and Oceans Canada or the Ministry of Forests, Lands and Natural Resource Operations. The Proponent must provide the reports referred to in paragraphs (a), (b) and (c), above, to Fisheries and Oceans Canada and the Ministry of Forests, Lands and Natural Resource Operations in a format and frequency acceptable to those departments. The Proponent must ensure that the monitor reports to Fisheries and Oceans Canada and the Ministry of Forests, Lands and Natural Resource Operations throughout the Project construction.
21	Wildlife Monitoring	The Proponent must develop, in consultation with Lake Babine Nation and Ministry of Environment, and for the purposes of monitoring the potential for uptake of metals in tissue, a plan to sample bear, deer, and moose tissues within the Local Study Area as described in the Proponent's original Application for an Environmental Assessment Certificate. The Proponent must provide the plan to Environmental Assessment Office for its approval. The plan must be implemented.
22	Fish Monitoring	The Proponent must develop a plan, in consultation with Lake Babine Nation and Gitxsan and Gitanyow Nations and Ministry of Environment, for the purposes of monitoring metal concentrations in the tissues of resident and anadromous fish in Morrison Lake. The Proponent must provide the plan to Environmental Assessment Office for its approval. Once approved, sampling under the program must commence prior to the Proponent applying for a *Mines Act* or

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		Environmental Management Act permit and must continue until mine closure. The plan must be implemented, and may be revised under *Environmental Management Act* permit requirement beyond the first year of implementation.
23	Adequate compensation for Trap-line T049	The Proponent must compensate Lake Babine Nation, as requested in the July 16, 2010 letter from Lake Babine Nation, for the impact of the Project on Trap-line T049. The Proponent must provide one year notification to the trap-line holder of the commencement of construction.
	Socio-economic	
24	Ookpik Wilderness Lodge	The Proponent must implement the following measures to address the effects on the operations and business of Ookpik Lodge: • Limit the speed of all mine traffic, including haul trucks, supply trucks and maintenance trucks and transport buses to 30km/hr along km 24 to 29 on the Hagen Forest Service Road near Ookpik Wilderness Lodge; • Upgrade road materials along Hagen Forest Service Road from km 24 to 29; • Prohibit use of engine brakes by mine traffic along Hagen Forest Service Road near Ookpik Wilderness Lodge from km 24 to 34; • Prohibit the use of personal vehicles for employees travelling from Nose Bay to the mine and prohibit the use of boats to commute to mine via Morrison Arm of Babine Lake; and, • Use shortest pole heights allowed by BC Hydro for the transmission line to reduce the visual impact.
25	Ookpik Wilderness Lodge	The Proponent must negotiate and attempt to reach an agreement with Ookpik Wilderness Lodge to compensate it for negative impacts to their wilderness tourism business.
26	Tukii Hunting Camp	The Proponent must meet its obligations under the DOJ Holdings Ltd. Settlement Agreement dated August 19, 2011, which has been filed with Environmental Assessment Office.
27	Employment	The Proponent must hold at least one job / business fair in both Granisle and a second community (e.g. Burns Lake or Smithers), within one year of the commencement of the Project's construction to inform local residents and businesses of upcoming opportunities for employment and contracts as well as the requirements for obtaining these positions, including skills and certifications.
28	Employment	The Proponent must complete, in collaboration with the Village of

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		Granisle and Lake Babine Nation, at least one year prior to the commencement of construction, a skill inventory and needs analysis.
29	Community Committee	The Proponent must establish a Community Sustainability Advisory Committee comprising representatives from the Village of Granisle and Lake Babine Nation. The purpose of the Community Sustainability Advisory Committee is to identify, resolve, and monitor any issues raised by the community with respect to the Project. The Community Sustainability Advisory Committee must be established within one year of the commencement of the Project's construction.
30	Community Liaison	The Proponent must hire a Community Liaison to act as the Proponent's primary point of contact for public and local organizations on community issues. This position must also oversee the Community Sustainability Advisory Committee and facilitate implementing elected programs and initiatives.
	Traffic	
31	Mill Bay Road upgrade	The Proponent must upgrade, or provide resources to ensure the Ministry of Transportation and Infrastructure is able to upgrade the Mill Bay Road, including the intersection of Mill Bay Road and Highway 118, and the access to Mill Bay Road from the proposed staging area to 100 percent legal axle weight loading 365 days a year or another standard to the satisfaction of the Ministry of Transportation and Infrastructure, prior to the commencement of construction. The Proponent must retain a Professional Engineer to design any new road alignments and those alignments must be approved by the Ministry of Transportation and Infrastructure. The Proponent must provide the Ministry of Transportation and Highways with "as built" drawings and the completed and stamped Engineer of Record forms at the end of construction.
32	Traffic safety	The Proponent must use signage and public safety advisories to make the public aware of any construction activities and temporary alternate traffic routes.