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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN

January 9, 2003

*By Email and Regular Mail*

Mr. Greg Missal  
Vice-President, Nunavut Affairs  
Tahera Corporation  
803-121 Richmond St. W  
Toronto, ON M5H 2K1  
[missal@tahera.com](mailto:missal@tahera.com)

**File: NWB1JER0306**

Subject: License NWB1JER0306

Dear Mr. Missal,

Please find enclosed licence NWB1JER0306 (Motion # 2002-19) duly approved by the Nunavut Water Board (NWB). This licence authorizes Tahera Corporation to use water and dispose of waste for mining exploration at the Jericho Project, Nunavut.

This approval is granted by the NWB pursuant to applicable provisions of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*.

I trust everything will be to your satisfaction. Please contact the undersigned in writing should you have any questions regarding this matter.

Sincerely,

Philippe di Pizzo  
Chief Administrative Officer

c.c. Paul Smith, DIAND  
Gladys Joudrey, NIRB  
Colette Meloche, EC  
Mike Fournier, EC  
Earle Baddaloo, DSD

## DECISION

LICENCE NUMBER: NWB1JER0306

This is the decision of the Nunavut Water Board (NWB) with respect to an application dated September 6, 2002 for the renewal of Licence NWB1JER9801 issued by the Nunavut Water Board, by:

### **Tahera Corporation**

for prospecting, continued surface drilling, on-ice drilling, underground drilling, operation of the bulk sample plant, domestic use and associated activities, environmental baseline data collection, demobilization of equipment and potentially future underground bulk sampling.

## **DECISION**

After having been satisfied that the application had been screened pursuant to Article 12 of the Nunavut Land Claims Agreement, the NWB decided to process the application in accordance with applicable provisions of the legislation. After reviewing the submission of the Applicant and written comments from interested parties, the NWB, having given due regard to the facts and circumstances, to the purpose, scope and intent of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Nunavut Land Claims Agreement*, determined that:

**Licence Number NWB1JER0306 be issued subject to the terms and conditions contained therein.**

SIGNED this 9th day of January, 2003 at Gjoa Haven, NU.



Philippe di Pizzo  
Chief Administrative Officer

## REASONS FOR DECISION

The Licensee, Tahera Corporation, filed an application for the renewal of license NNWB1JER9801 on September 6, 2002. The first licence for this project was issued by the Northwest Territories Water Board (N7L2-1666) and subsequent amendments were approved by the Nunavut Water Board authorizing the disposal of waste for the extraction of a bulk sample and associated uses. That licence was again amended at the request of applicant to include in a single licence, water use and waste disposal activities associated with continued surface drilling and on-ice drilling authorized pursuant to permits NWB2JER9800 and NWB2JD39899 issued by the NWB. In the application filed on September 6, 2002 the Licensee asked the Board to extend the term of License NNWB1JER9801, without changes, to include all existing components in anticipation of licence authorizations for full scale mining operations at the Jericho site which are still pending with NIRB and NWB. However, the NWB decided to treat this application as an application for renewal rather than an extension.

Because the scope of the application was not significantly different from that of the original licence the Nunavut Impact Review Board decided not to subject it to another environmental screening and accordingly authorized the NWB to process it.

In accordance with the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, Section 52 (1)(a), a public hearing shall be held by the Board before it disposes of any application in relation to a licence, unless the application is of a class that is exempted by the regulations from the requirements of a public hearing. Additionally, in accordance with the *Nunavut Land Claims Agreement*, Article 13, Section 13.7.2, the NWB shall hold a public hearing before approving any application, including amendments to an existing licence. The NWB may, where there is no public concern expressed, waive the requirement for a public hearing. Notice of the application was posted in the News/North newspaper, inviting interested parties to submit comments on this application. Comments and recommendations for appropriate conditions of a licence were submitted by Environment Canada, Indian and Northern Affairs Canada, and Fisheries and Oceans Canada. The NWB decided to waive the hearing requirement in the absence of public concerns, and delegated its authority to approve the application to its Chief Administrative Officer pursuant to S. 13.7.5 of the *Nunavut Land Claims Agreement*. In their respective submission all three Federal Departments noted issues with the fuel containment systems on site and recommended that the Licensee be required to ensure system integrity to prevent contamination of the environment. The Board agrees with their recommendation and requires the Licensee to ensure that all fuel, chemical, or waste systems are lined or otherwise contained to prevent contamination of water and are maintained to the satisfaction of an Inspector.

# LICENCE NWB1JER0306

Pursuant to the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada*, the Nunavut Water Board, hereinafter referred to as the Board, hereby grants to

TAHERA CORPORATION

(Licensee)  
of

803-121 RICHMOND ST. W  
TORONTO, ON M5H 2K1

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use water or dispose of waste for a period subject to restrictions and conditions contained within this Licence:

NWB1JER0306

Licence Number

NUNAVUT 07

Water Management Area

Location JERICHO, NU (Latitude 65°59' N / Longitude 111°28' W)

Purpose WATER USE AND WASTE DISPOSAL FOR MINING EXPLORATION

Description PROSPECTING, CONTINUED SURFACE DRILLING, ON-ICE DRILLING, UNDERGROUND DRILLING, OPERATION OF THE BULK SAMPLE PLANT, DOMESTIC USE AND ASSOCIATED ACTIVITIES, ENVIRONMENTAL BASELINE DATA COLLECTION, DEMOBILIZATION OF EQUIPMENT AND POTENTIALLY FUTURE UNDERGROUND BULK SAMPLING

Quantity of Water Not to be Exceeded 150 CUBIC METRES PER DAY

Date of Licence JANUARY 9, 2003

Expiry Date of Licence DECEMBER 31, 2006

Dated this 9th day of January 2003 at Gjoa Haven, NU.



Philippe di Pizzo  
Chief Administrative Officer

## **PART A: SCOPE AND DEFINITIONS AND ENFORCEMENT**

### **1. SCOPE**

- i. This Licence entitles the Licensee to use water and dispose of waste associated with prospecting, continued surface drilling, core-splitting and logging on site, underground drilling, on-ice drilling, domestic use and associated activities, environmental baseline data collection, demobilization of equipment and potentially future underground bulk sampling at the Jericho site and the JD-03 site, located in the Hope Bay Belt area of the Kitikmeot Region of the Nunavut Territory (Latitude 65°59' N; Longitude 111°28' W).
- ii. This Licence is issued subject to the conditions contained herein with respect to the taking of water and the depositing of waste of any type in any waters or in any place under any conditions where such waste or any other waste that results from the deposits of such waste may enter any waters. Whenever new Regulations are made or existing Regulations are amended by the Governor in Council under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, or other statutes imposing more stringent conditions relating to the quantity or type of waste that may be so deposited or under which any such waste may be so deposited, this licence shall be deemed to be subject to such requirements.
- iii. Compliance with the terms and conditions of this licence does not absolve the Licensee from responsibility for compliance with all applicable legislation, guidelines and directives.
- iv. Mining and milling are not authorized under this licence. The Licensee shall have applied for and received a new licence for mining and milling undertakings before any ore bodies in the area referred to in Part A, Item 1(i) are brought into production, other than for the mining of a bulk ore sample.

### **2. DEFINITIONS**

In this Licence: **NWB1JER0306**

“**Act**” means the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*.

“**Amendment**” means a change to any terms and condition of this Licence requiring correction, addition or deletion of specific terms and conditions of the Licence;

“**Analyst**” means an Analyst designated by the Minister under Section 85 (1) of the *Act*;

“**Board**” means the Nunavut Water Board established under the Nunavut Land Claims Agreement and the *Act*;

“**Chief Administrative Officer**” means the Executive Director of the Nunavut Water Board;

“**Composite Sample**” means

- (a) a quantity of effluent consisting of not less than three equal volumes proportionate to flow that have been collected at approximately equal time intervals over a sampling period of not less than seven hours and not more than 24 hours; or

- (b) a quantity of effluent collected continuously at a constant rate or at a rate proportionate to the rate of flow of the effluent over a sampling period of not less than seven hours and not more than 24 hours.

**“Deleterious Substance”** means a substance as defined in the *Metal Mining Effluent Regulations* SOR/2002-222 dated 6 June 2002;

**“Effluent”** means mine water effluent, milling facility effluent, tailings impoundment area effluent, treatment pond effluent, treatment facility effluent other than effluent from a sewage treatment facility, seepage and surface drainage that contains a deleterious substance;

**“Engineer”** means a professional engineer registered to practice in Nunavut in accordance with the *Engineering, Geological and Geophysical Act (Nunavut)* S.N.W.T. 1998, c.38, s.5;

**“Final Discharge Point”** in respect of an effluent, means an identifiable discharge point of a mine beyond which the operator of the mine no longer exercises control over the quality of the effluent;

**“Freeboard”** means the vertical distance between the water surface elevation and the lowest elevation of the effective water containment crest of the dam, dyke or other containment structure;

**“Geotechnical Engineer”** means an Engineer whose principal field of specialization is the design and construction of earthworks in a permafrost environment;

**“Grab Sample”** means a quantity of undiluted effluent collected at a time and place representative of the total discharge;

**“Greywater”** means all liquid wastes from showers, baths, sinks, kitchens and domestic washing facilities, but does not include toilet wastes;

**“Inspector”** means an Inspector designated by the Minister under Section 85 (1) of the *Act*;

**“Licence”** means Licence NWB1JER0306;

**“Licensee”** means Tahera Corporation to whom Licence NWB1JER0306 is issued to or assigned;

**“Modification”** means an alteration to a physical work that introduces a new structure or eliminates an existing structure and does not alter the purpose or function of the work, but does not include an expansion;

**“Minister”** means the Minister of Indian and Northern Affairs Canada;

**“Minewater”** means water that is pumped from or flows out of any underground works, adits, solution chambers or open pits;

**“Monthly Mean Concentration”** means the average value of the concentrations measures in all composite or grab samples collected from each final discharge point during each month when a deleterious substance is deposited;

**“Nunavut Land Claims Agreement”** (NLCA) means the *“Agreement Between the Inuit of the*

*Nunavut Settlement Area and Her Majesty the Queen in Right of Canada,*” including its preamble and schedules, and any amendments to that agreement made pursuant to it;

“**Operations Area**” means all the land and works that are used or have been used in conjunction with exploration, mining or milling activity, including;

- (a) open pits, underground mines, heap leaching areas, solution mines, buildings, ore storage areas and waste rock dumps;
- (b) tailings impoundment areas, lagoons and treatment ponds; and
- (c) cleared or disturbed areas that are adjacent to the land and works;

“**Operator**” means the person who operates, has control or custody of, or is in charge of a mine or recognized closed mine;

“**Regulations**” means the *Northwest Territories Water Regulations SOR/93-303 8 June, 1993*;

“**Sewage**” means all toilet wastes and greywater;

“**Sewage Disposal Facilities**” comprises the area and engineered structures designed to contain and treat sewage;

“**Solid Waste Disposal Facilities**” comprises the area and associated structures designed to contain solid wastes;

“**Sump**” means an excavation for the purpose of catching or storing water in an underground working or at the bottom of a shaft;

“**Surface Drainage**” means all surface water run-off contaminated by a deleterious substance as a result of flowing over, through or out of an operations area;

“**Toilet Wastes**” means all human excreta and associated products, but does not include greywater;

“**Use**” means use as defined in section 4 of the *Act*;

“**Waste**” means waste as defined in section 4 of the *Act*;

“**Waste Rock**” means all unprocessed rock materials that are or were produced as a result of mining operations and having no economical value;

“**Waste Rock**” means all rock materials, except ore and tailings, which are produced as a result of mining operations;

“**Waste Disposal Facilities**” means all facilities designated for the disposal of waste, includes the Sewage Disposal Facilities and Solid Waste Disposal Facilities;

“**Water**” means water as defined in section 4 of the *Act*; and

“**Water Supply Facilities**” comprises the Carat Lake area and associated infrastructure designed to collect, treat and supply water.



## **PART B: GENERAL CONDITIONS**

1. The Water Use fee shall be paid annually in advance as set in accordance with the Regulations.
2. The Licensee shall furnish and maintain a security deposit of \$918,000 or such further or other amounts as may be required by the Board based on annual estimates of current mine restoration liability in accordance with Part H, Item 3 and Part H, Item 4 of this Licence.
3. The security deposit may be applied to carry out work necessary to fulfill requirements of this Licence where there is contravention of a condition of the Licence and failure by the Licensee to comply with a direction issued by the Board or by any other competent and authorized governmental body or official. This includes operational requirements as well as the provision of the Final Abandonment and Restoration Plan.
4. The Security Deposit shall be maintained until such time as the Board is satisfied that the Licensee has complied with all provisions of the approved Final Abandonment and Restoration Plan. This clause shall survive the expiry of this Licence or renewals thereof.
5. The Licensee shall file an Annual Report with the Board no later than March 31 of the year following the calendar year reported, which shall contain the following information:
  - i. The monthly and annual quantities (in cubic metres) of fresh water obtained from Carat Lake at Monitoring station 1666-8;
  - ii. The monthly and annual quantities (in cubic metres) of fresh water obtained from at Monitoring station 1666-9;
  - iii. The monthly and annual quantities (in cubic metres) of minewater pumped from underground;
  - iv. A summary of any construction work, modification and major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures;
  - v. Tabular summaries for all data and information generated under the "Monitoring Program";
  - vi. A summary of all activities authorized under this Licence;
  - vii. A summary of any abandonment and restoration work undertaken during the year and an outline of any work anticipated for the next year;
  - viii. A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;
  - ix. A list of unauthorized discharges and spills, their GPS coordinates, and a summary of follow-up and remedial actions taken;
  - x. An outline of any spill training or communication exercises carried out;
  - xi. Any revisions to the approved Contingency Plan, QA/QC Plan, Waste Rock Disposal Plan, and A&R Plan;
  - xii. A brief description of follow-up action taken to address concerns detailed in inspection and compliance reports prepared by an Inspector;
  - xiii. A report summarizing any consultations with local organizations and the residents of the nearby communities regarding activities authorized under the Licence;
  - xiv. Any other details on water use or waste disposal requested by the Board by November 1<sup>st</sup> of the year being reported; and
  - xv. An executive summary in terms understandable to the general public translated into Inuktitut of all plans, reports, or studies conducted under this Licence.
6. The "Monitoring Program" and compliance dates specified in the Licence may be modified at the discretion of the Chief Administrative Officer.



7. The Licensee shall install meters or such devices, or use such methods as approved by the Board for measuring the volumes of water used and waste discharged. The meters and measuring devices or methods shall be operated and maintained to the satisfaction of an Inspector.
8. The Licensee shall post signs in the appropriate area to inform the public of Water Supply Facilities, Waste Disposal Facilities, and the necessary signs to identify the stations of the "Monitoring Program". All postings shall be located and maintained to the satisfaction of an Inspector.
9. The Licensee shall keep a copy of this Licence at the site of operation at all times.
10. Any communication with respect to this Licence shall be made in writing to the attention of:  
Philippe di Pizzo  
Executive Director  
Nunavut Water Board  
P. O. Box 119  
Gjoa Haven, NT. X0E 1J0  
Telephone No:(867) 360-6338  
Fax No: (867) 360-6369
11. Inspection and enforcement of the terms and conditions of this Licence are performed by:  
Nunavut District Office  
Northern Affairs Program  
Department of Indian Affairs  
and Northern Development  
P. O. Box 100  
Iqaluit, NT. X0A 0H0  
Telephone No:(867) 979-4405  
Fax No: (867) 979-6445
12. The Licensee shall submit all reports, plans and studies to the Board in **triplicate**.

### **PART C: CONDITIONS APPLYING TO WATER USE**

1. The Licensee shall obtain all freshwater for domestic purposes from Carat Lake at Monitoring station 1666-8 using the Water Supply Facilities or as otherwise approved by the Board.
2. The Licensee shall obtain all freshwater for mine activities from Carat Lake at Monitoring station 1666-9 or as otherwise approved by the Board.
3. The daily quantity of water used for all domestic purposes shall not exceed 150 cubic metres. The total maximum quantity allowable for the "Pilot Spray Irrigation Study" is 4500 cubic metres.
4. The water intake hoses use on the water pumps drawing water from Carat Lake shall be equipped with a screen with a mesh size sufficient to ensure no entrainment of fish
5. The Licensee shall obtain all freshwater for the "Pilot Spray Irrigation Study" from Lake C3 or as otherwise approved by the Board.

## **PART D: CONDITIONS APPLYING TO WASTE DISPOSAL**

1. The Licensee shall direct all sewage to the Sewage Disposal facilities or as otherwise approved by the Board.
2. The Licensee shall maintain the Sewage Disposal Facilities to the satisfaction of an Inspector.
3. Sludge produced by the Sewage Treatment Facilities shall be disposed of and incinerated in a sump located a minimum of thirty (30) metres from the normal high water mark and such that they do not enter any water body.
4. The Licensee shall dispose of all solid Wastes at the Solid Waste Disposal Facilities or as otherwise approved by the Board.
5. The Licensee shall notify an Inspector should minewater be encountered and require treatment and discharge.
6. The Licensee shall provide notice to an Inspector prior to any discharge of Waste.
7. All Waste discharged except Sewage shall meet the following effluent quality requirements:

Parameter	Maximum Average Concentration	Maximum Concentration of any Grab Sample
Total Arsenic	0.50 mg/L	1.0 mg/L
Total Copper	0.30 mg/L	0.6 mg/L
Total Lead	0.20 mg/L	0.4 mg/L
Total Nickel	0.50 mg/L	1.0 mg/L
Total Zinc	0.50 mg/L	1.0 mg/L
Total Suspended Solids	25.0 mg/L	50.0 mg/L
Oil and Grease	Visible sheen	
pH	6.0 and 9.5	

8. All waste discharges shall be conducted in such a manner to minimize surface erosion.
9. The Licensee shall submit to the Board, sixty (60) days before the commencement of any future extraction of a built sample, an acid generation potential monitoring plan for the ore and waste rock generated.

## **PART E: CONDITIONS APPLYING TO THE UNDERTAKING**

1. The Licensee shall not deposit any waste in any body of water, or on the banks thereof, which may impair the quality, quantity, or flow of water.
2. Areas designated for waste disposal shall not be located within thirty (30) metres of the ordinary high water mark of any body of water, unless otherwise authorized.
3. All scrap metal, discarded machinery and parts, and other bulky material shall be disposed of in an approved disposal site.

4. No land-based drilling is to be done within (30) metres of the high water mark of any water body or watercourse. Drilling wastes from land-based drilling shall be disposed of in a sump at least thirty (30) metres from the high water mark of a water body, such that they do not enter any water body.
5. The Licensee shall not bury any scrap metal and other bulky wastes.
6. The Licensee shall follow the *Interim Guidelines for On-Ice Drilling in the NWT* for all on-ice drilling operations. These are:
  - i. All drill cuttings shall be removed from the ice surface.
  - ii. The release of total suspended solid in the receiving environment shall be in compliance with the *Guidelines for Total Suspended Solids contained in the Canadian Council of Ministers of the Environment's (CCME) Canadian Water quality Guidelines, Chapter 3 - Freshwater Aquatic Life*.
  - iii. For kimberlite targets, non-toxicity must be demonstrated; toxicity testing shall be done on the effluent from the drilling operation and the results shall be submitted to the Board.
7. The Licensee shall establish baseline conditions of water quality before drilling through lake ice.
8. If artesian flow is encountered, drill holes shall be plugged and permanently sealed upon project termination.
9. Winter lake and stream crossings, including ice bridges, shall be constructed entirely of water, ice or snow; stream crossings shall be removed or notched prior to spring breakup.
10. To minimize impacts on surface drainage, the Licensee shall prepare all sites in such a manner as to prevent rutting of the ground surface.
11. The Licensee shall equip bulldozer blades used in this operation with "mushroom" type shoes or a similar type of device.
12. The Licensee shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
13. The Licensee shall suspend overland travel of equipment or vehicles if rutting occurs.
14. The Licensee shall be required to undertake any corrective measures in the event of any impacts on surface drainage as a result of the Licensee's operations.
15. The Licensee shall construct and maintain winter roads with a minimum of ten (10) centimeters of packed snow at all times during its operations.
16. The Licensee shall not do anything that will cause erosion of the banks of any body of water on or adjacent to the land and shall provide necessary control to prevent such erosion.
17. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into water.
18. All activities shall be conducted in such a way as to minimize impacts to surface drainage and the Licensee shall immediately undertake any corrective measures in the event of any impacts on surface drainage.

19. The Licensee shall minimize potential for thermal erosion due to channeling or ponding and implement preventative measures.
20. The Licensee shall discharge freshwater to the "Spray Irrigation Area" east of Lake C3 as shown on Map A submitted with the application for amendment dated February 28, 2001.

#### **PART F: CONDITIONS APPLYING MODIFICATIONS**

1. The Licensee may, without written consent from the Board, carry out modifications to the planned undertakings provided that such modifications are consistent with the terms of this Licence and the following specific requirements are met:
  - i. The Licensee has notified the Board in writing of such proposed modifications at least sixty (60) days prior to beginning the modifications;
  - ii. Such modifications do not place the Licensee in contravention of the Licence;
  - iii. The Board has not, during the sixty (60) days following notification of the proposed modifications, informed the Licensee that review of the proposal will require more than sixty (60) days; and
  - iv. The Board has not rejected the proposed modifications during the sixty (60) days following notification of the proposed modifications.
2. Modifications for which all of the conditions referred to in Part F, Item 1 have not been met can be carried out only with written consent from the Board.
3. The Licensee shall provide as-built plans and drawings of the modifications referred to in this Licence within ninety (90) days of completion of the modification. These plans and drawings shall be submitted to the Board on material that will reproduce with a standard copier.

#### **PART G: CONDITIONS APPLYING TO SPILL PREVENTION AND CONTINGENCY PLANNING**

1. The Licensee shall ensure that any fuels, chemicals, or wastes associated with this undertaking do not enter any waters. All fuel is to be stored at a location that is a minimum of thirty (30) metres from the ordinary high water mark of any water body, and shall be lined or otherwise contained in such a manner that no fuel can enter any such water body.
2. The Licensee shall maintain on file with the Board a Spill Prevention and Contingency Plan prepared in accordance with the Northwest Territories Water Board's "Guidelines for Contingency Planning, January 1987".
3. The Licensee shall revise the Spill Contingency Plan referred to in Part G, Item 2, if not acceptable to the Board. The revised Plan shall be submitted to the Board for approval within thirty (30) days after notification.
4. The Licensee shall annually review the Spill Contingency Plan and modify the Plan to reflect changes in operation, technology and personnel. Any proposed modification shall be re-submitted to the Board for approval.

5. If, during the period of this Licence, an unauthorized discharge of waste occurs, or if such a discharge is foreseeable, the Licensee shall:
  - i. Employ the Contingency Plan;
  - ii. Report the incident immediately via the 24-Hour NWT Spill Reporting Line at (867) 920-8130; and
  - iii. Submit to an Inspector a detailed report on each occurrence no later than thirty (30) days after initially reporting the event which includes the GPS coordinates for the spill.
6. All fuel containment infrastructure shall be maintained to the satisfaction of an Inspector.

## **PART H: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION**

1. The Licensee shall maintain on file with the Board an Abandonment and Restoration Plan prepared in accordance with the Northwest Territories Water Board's "Guidelines for Abandonment and Restoration Planning for Mines in the Northwest Territories, September 1990". The plan shall include an assessment of the cost to carry out the proposed abandonment and restoration activities.
2. The Licensee shall revise the Abandonment and Restoration Plan referred to in Part H, Item 1, if not acceptable by the Board. The revised Plan shall be submitted to the Board for approval within sixty (60) days after notification.
3. The Licensee shall implement the plan referred to in Part H, Item 1 or Part H, Item 2 as and when approved by the Board.
4. The Licensee shall complete all reclamation work within the time schedule specified in the approved Abandonment and Restoration Plan.
5. Notwithstanding the time schedule referred to in Part H, Item 3 the Licensee shall endeavor to carry out progressive restoration of areas, which are abandoned prior to closure of operations.
6. The Licensee shall annually review the Abandonment and Restoration Plan and shall modify the Plan to reflect changing operations, technology and the results of reclamation and other studies. The proposed modifications shall be submitted to the Board for approval.
7. The Licensee shall notify the Board of temporary or final closure. If during the term of this license, the Licensee notifies the Board in writing of the mine closing indefinitely, a final Abandonment and Restoration Plan shall be submitted to the Board for approval within sixty (60) days of notification.

## PART I: CONDITIONS APPLYING TO MONITORING

### 1. LOCATIONS, SAMPLING REQUIREMENTS, AND ANALYSIS REQUIREMENTS

Station Numbers	Description	Sampling Requirements	Analysis Requirements
1666-1	Minewater discharge into Retention Pond	During periods of minewater discharge: sample once during first week and monthly thereafter	Total Suspended Solids Total Ammonia Total Arsenic PH
1666-2	Minewater discharge into Tailings Lake	Monthly during periods of minewater discharge	Complete ICP metal Scan
1666-3	Outflow from Retention Pond	During periods of minewater discharge: sample once during first week and monthly thereafter	Total Suspended Solids Total Ammonia Total Arsenic PH
1666-4	Outflow from Tailing Lake into Seep Creek	Monthly during periods of minewater discharge	Complete ICP metal Scan
1666-5	Discharge from Geywater Treatment Facility	During periods of minewater discharge: sample once during first week and monthly thereafter	Total Suspended Solids PH Total Copper Total Lead
1666-6	Outflow from Greywater Retention Pond	Not Required	Total Arsenic Total Nickel Total Zinc
1666-7	Outlet to Carat Lake	Monthly during periods of effluent flow	Total Suspended Solids PH BOD
1666-8	Raw water intake at Carat Lake for domestic purposes	Monthly during periods of effluent flow	Total Suspended Solids Oil and Grease (visual only)
1666-9	Raw water intake for mine activities	Not Required	pH BOD
		Not Required	Not Required
		Not Required	Not Required

\*The pH, temperature and specific conductivity of the sample shall be recorded at the time of sampling.

2. The Licensee shall, within sixty (60) days of issuance of this Licence submit to the Board for approval a Quality Assurance/Quality Control plan which addresses analysis of field blanks and certified reference material, and replicate sampling in order to assess accuracy, precision and field contamination.
3. The plan referred to in Part B, Item 2 shall be implemented as approved by the Board.
4. All analyses shall be conducted in accordance with methods prescribed in the current edition of "Standard Methods for the Examination of Water and Wastewater", or by such other methods as approved by the Board.
5. All analyses shall be performed in a laboratory approved by the Analyst.
6. The monthly quantities of water pumped from Monitoring Station Number 1666-8 shall be measured and recorded in cubic metres.
7. The monthly quantities of water pumped from Monitoring Station Number 1666-9 shall be measured and recorded in cubic metres.
8. The monthly quantities of minewater pumped from Monitoring Station Number 1666-3 shall be measured and recorded in cubic metres.
9. The Licensee shall submit to the Board within thirty (30) days following the month being reported, all data and information required by the "Monitoring Program", including the results of the approved quality assurance plan.