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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: **1BR-EKA0607**

June 19, 2006

Natalie Plato
Director, Contaminated Sites
Indian and Northern Affairs Canada, Nunavut Regional Office
Building 1553, P.O. Box 2200
Iqaluit, NU X0A 0H0

RE: NWB Licence No. 1BR-EKA0607

Dear Ms. Plato:

Please find attached Licence No. **1BR-EKA0607** issued to Indian and Northern Affairs Canada by the Nunavut Water Board (**Motion #: 2006-24**) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada*. The terms and conditions of the attached Licence related to water use and waste disposal are an integral part of this approval.

Sincerely,

Original Signed By:

Philippe di Pizzo
Chief Administrative Officer

PDP/sg/rqd

Enclosure: Licence No. **1BR-EKA0607**

cc:	Carson Gillis	Nunavut Tungavik Incorporated
	Colette Spagnuolo	Environment Canada
	Doug Sitland	Government of Nunavut Community & Government Services
	Earle Baddaloo	Government of Nunavut Department of Environment
	Erin Calder	Nunavut Wildlife Management Board
	Jim Rogers	Indian and Northern Affairs Canada
	Peter Kusugak	Indian and Northern Affairs Canada
	Salamonie Shoo	Qikiqtani Inuit Association
	Tania Gordanier	Department of Fisheries & Oceans
	Brad Thompson,	Public Works and Government Services Canada



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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

OFFICE DES EAUX DU NUNAVUT

DECISION

LICENCE: 1BR-EKA0607

This is the decision of the Nunavut Water Board (NWB) with respect to a renewal application dated March 24, 2005 made by:

INDIAN AND NORTHERN AFFAIRS CANADA

to allow for the use of water and disposal of waste during camp operations and remediation activities at the FOX-C Ekalugad Fjord, Project located within the Qikiqtani Region, Nunavut (located at the general latitude of 68°42' and general longitude 68°33' W).

DECISION

After having been satisfied that the application was in conformity with the applicable Land Use Plan and exempt from the requirement for screening by the Nunavut Impact Review Board in accordance with Schedule 12.1, Paragraph 5 of the *Nunavut Land Claim Agreement* (NLCA), the NWB decided that the application could proceed through the regulatory process. In accordance with S.55.1 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA) and Article 13 of the NLCA, public notice of the application was given and interested persons were invited to make representations to the NWB.

After reviewing the submission of the Applicant and representations made by interested persons, the NWB, having given due regard to the facts and circumstances, the merits of the submissions made to it and to the purpose, scope and intent of the NLCA and of the NWNSRTA, decided to waive the requirement to hold a public hearing and determined that:

Licence Number 1BR-EKA0607 be issued subject to the terms and conditions contained therein. (Motion #: 2006-24)

SIGNED this 19th day of June 2006 at Gjoa Haven, NU.

Original Signed By:

Philippe di Pizzo

Chief Administrative Officer

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I. INTRODUCTION

On March 24, 2005 a water licence application was filed with the Nunavut Water Board by Indian and Northern Affairs Canada for water use and waste disposal activities during camp operations and remediation activities at Ekalugad Fjord, FOX-C, located within the Qikiqtani Region, Nunavut (general latitude 68°42' and general longitude 68°33' W). The applicant requested that the issuance of the Licence be delayed on July 25, 2005. The Licensee supplemented this application with additional information on February 11, March 3, April 6 and May 31, 2006. After having been satisfied that the application was exempt from the requirement for screening by the Nunavut Impact Review Board in accordance with Schedule 12.1, Paragraph 5 of the *Nunavut Land Claim Agreement (NLCA)*, the NWB decided that the application could proceed through the regulatory process.

In accordance with S.55.1 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSRTA)* and Article 13 of the *NLCA*, public notice of the application was given and interested persons were invited to make representations to the NWB. No public concerns were expressed, and after reviewing the submission of the Applicant and representations made by interested persons, the NWB, having given due regard to the facts and circumstances, the merits of the submissions made to it and to the purpose, scope and intent of the *NLCA* and of the *NWNSRTA*, decided to waive the requirement to hold a public hearing.

II. GENERAL CONSIDERATIONS

A. Term of the Licence

In accordance with the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* S. 45, the NWB may issue a licence for a term not exceeding twenty-five years. The NWB believes that a term of approximately one year and a half is appropriate. The Licence term will allow the Licensee to properly carry out the terms and conditions of the Licence and will ensure that sufficient time is given to permit the Licensee to develop, submit and implement the plans required under the Licence to the satisfaction of the NWB.

B. Annual Report

The requirements imposed on the Licensee in this Licence are for the purpose of ensuring that the NWB has an accurate annual update of water use and depositions of waste during a calendar year. This information is maintained on the public registry and is available to any interested parties upon request. The requirements of this Annual Report can be found in Part B, Item 1.

C. Spill Contingency Planning

The Board generally requires that all Licensees prepare a comprehensive Spill Contingency Plan to establish a state of readiness to ensure a prompt and effective response to possible spills or system failure events. The site-specific spill contingency plan will assist the Licensee in responding to emergencies such that the impacts to water in particular and the environment and public health in general are minimized. The Plan, *Spill Contingency Plan, Clean-up and Camp*

Service, FOX-C DEW Line Site, Ekalugad Fjord Project, prepared by Qikiqtaaluk Corporation submitted by the Licensee has been approved by the Board, with the requirement that additional information be submitted as an addendum to the approved Plan as per Part H, Item 1 of this Licence.

D. Abandonment and Restoration (A&R)

To ensure that all facilities are reclaimed in an appropriate manner upon abandonment, the NWB requires Licensees to prepare and submit an Abandonment and Restoration Plan. The Licensee shall submit an Abandonment and Restoration Plan as per Part I Item 1 six months prior to the completion of onsite activities.

III. LICENCE 1BR-EKA0607

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

of INDIAN AND NORTHERN AFFAIRS CANADA
(Licensee)

BUILDING 1553, P.O BOX 2200, IQALUIT, NU X0A 0H0
(Mailing Address)

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

Licence Number 1BR-EKA0607

Water Management Area NUNAVUT 05

Location FOX-C, EKALUGAD FJORD, QIKIQTANI REGION, NUNAVUT

Purpose WATER USE AND WASTE DISPOSAL

Classification of Undertaking INDUSTRIAL – TYPE “B”

Quantity of Water Not to Exceed 30 CUBIC METRES PER DAY

Date of Licence JUNE 19, 2006

Expiry Date of Licence DECEMBER 31, 2007

Dated this 19th day of June 2006 at Gjoa Haven, NU.

Original Signed By:

Philippe di Pizzo
Chief Administrative Officer

PART A: SCOPE, DEFINITIONS AND ENFORCEMENT

1. Scope

This Licence allows for the use of water and the disposal of waste for an undertaking classified as Industrial at Ekalugad Fjord, located approximately 195 km south of the Hamlet of Clyde River and 240 km northwest of the Hamlet of Qikiqtarjuaq within the Qikiqtani Region, Nunavut (general latitude 68°42' and general longitude 68°33' W);

- i. 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, upon promulgation of such Regulations, to be subject to such requirements; and;
- ii. Compliance with the terms and conditions of this Licence does not absolve the Licensee from responsibility for compliance with the requirements of all applicable Federal, Territorial and Municipal legislation.

2. Definitions

In this Licence: **1BR-EKA0607**

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

“Amendment” means a change to original terms and conditions of this Licence requiring correction, addition or deletion of specific terms and conditions of the Licence; modifications inconsistent with the terms of the set terms and conditions of the Licence;

“Appurtenant Undertaking” means an undertaking in relation to which a use of waters or a deposit of waste is permitted by a licence issued by the Board;

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

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

“Clean-up Activities” means the site restoration/construction activities at the FOX-C,

Ekalugad Fjord Intermediate Decline Site as defined in the Project Specifications;

“Contaminated Soil” means soil that has been characterized to contain contaminants that exceed Tier I or Tier II DEW Line Clean-up Criteria and/or petroleum hydrocarbon concentrations which exceed the Canadian Council for Ministers of the Environment, *Canada Wide Standard – Petroleum Hydrocarbons in Soil*, for the Residential/Parkland land use;

Tier I Contaminated Soil: Includes DCC Tier I and F3/F4 Contaminated Soil, or any combination thereof. DCC Tier I soils are soils containing concentrations of any or all contaminants as follows:

Contaminant	Criteria (ppm)
Lead	200 to 500
PCBs	1 to <5

Tier II Contaminated Soil: Includes DCC Tier II and combinations of DCC Tier II and F1/F2 Contaminated Soils. DCC Tier II soils are soils containing concentrations equal or in excess of any or all of the contaminants as follows:

Contaminant	Criteria (ppm)
Arsenic	30
Cadmium	5
Chromium	250
Cobalt	50
Copper	100
Lead	500
Mercury	2
Nickel	100
Zinc	500
PCBs	>5 to <50

“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*;

“F1/F2 Contaminated Soils” means hydrocarbon contaminated soil in which the primary petroleum hydrocarbon product present in the soil as determined by laboratory analysis consists of fuel oil, and/or diesel, and/or gasoline;

“F3/F4 Contaminated Soils” means hydrocarbon contaminated soil in which the primary petroleum hydrocarbon product present in the soil as determined by laboratory analysis consists of lubricating oil and grease.

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

“Hazardous Materials” means any materials that are designated “hazardous” or “dangerous goods” under Nunavut Territorial or Federal legislation;

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

“Licensee” means the holder of this Licence;

“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;

“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;

“Petroleum Hydrocarbon Contaminated Soil” means soil that has been characterized to contain petroleum hydrocarbon concentrations which exceed the Canadian Council for Ministers of the Environment, *Canada Wide Standard – Petroleum Hydrocarbons in Soil*, for the Residential/Parkland land use;

“Project Drawings” means the drawings, stamped and qualified by an Engineer, issued for construction for the site restoration/construction activities at the FOX-C, Ekalugad Fjord Intermediate Decline Site;

“Project Specifications” means the technical specifications, stamped and qualified by an Engineer, issued for construction for the site restoration/construction activities at the FOX-C, Ekalugad Fjord Intermediate Decline Site;

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

“Sewage” means all toilet wastes and greywater;

“Spill Contingency Plan” means a Plan developed to deal with unforeseen petroleum and chemical events that may occur during the operations conducted under the Licence;

“Sump” means an excavation in soil for the purpose of catching or storing water or waste;

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

“Waste” means, as defined in S.4 of the Act, any substance that, by itself or in

combination with other substances found in water, would have the effect of altering the quality of any water to which the substance is added to an extent that is detrimental to its use by people or by any animal, fish or plant, or any water that would have that effect because of the quantity or concentration of the substances contained in it or because it has been treated or changed, by heat or other means; and

“Waste Processing Area Drawings” means the drawings, EK-2006-2005P4-01 to 04 stamped and qualified by an Engineer.

3. Enforcement

- i. Failure to comply with this Licence will be a violation of the *Act*, subjecting the Licensee to the enforcement measures and the penalties provided for in the *Act*;
- ii. All inspection and enforcement services regarding this Licence will be provided by Inspectors appointed under the *Act*; and
- iii. For the purpose of enforcing this Licence and with respect to the use of water and deposit or discharge of waste by the licensee, Inspectors appointed under the *Act*, hold all powers, privileges and protections that are conferred upon them by the *Act* or by other applicable law.

PART B: GENERAL CONDITIONS

1. Licensee shall file an Annual Report on the appurtenant undertaking with the Board no later than March 31st of the year following the calendar year being reported which shall contain the following information:
 - i. Daily volumes of water used from all sources in cubic meters;
 - ii. GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of water are utilized for all purposes;
 - iii. GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where wastes associated with camp operations are deposited;
 - iv. GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where wastewater effluent meeting the Wastewater Discharge Criteria, as per Part D Item 3, were discharged;
 - v. All monitoring data and information required under Part J;
 - vi. A list of unauthorized discharges and a summary of follow-up actions taken;

- vii. Volumes and disposal method of additional contaminated soil, debris and/or hazardous material the Licensee may encounter during the Clean-up Activities;
 - viii. Revisions to the Spill Contingency Plan;
 - ix. Clean-up Activities undertaken;
 - x. As-built drawings of the Non-Hazardous Waste Landfills and the Landfarm shall be submitted with the Annual Report for the year during which the construction and operation of the facilities is complete; and
 - xi. Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.
2. The Licensee shall notify the NWB of any changes in operating plans or conditions associated with this project at least thirty (30) days prior to any such change.
 3. The Licensee shall install flow meters or other such devices, or implement suitable methods required for the measuring of water volumes, to be operated and maintained to the satisfaction of an Inspector.
 4. If the Licensee contemplates the renewal of Licence No. 1BR-EKA0607, it is the responsibility of the Licensee to apply to the NWB for its renewal. The past performance of the Licensee, new documentation and information, and issues raised during a public hearing, if the NWB is required to hold one, will be used to determine the terms and conditions of the Licence renewal. Note that if the Licence expires before the NWB issues a new one, then water use and waste disposal must cease, or the Licensee will be in contravention of the Nunavut Land Claims Agreement. The NWB recommends that an application for the renewal of Licence No. 1BR-EKA0607 be filed at least three months before the Licence expiry date.
 5. If Licence No. 1BR-EKA0607 requires an amendment, a public hearing may be required. The Licensee should submit applications for amendment as soon as possible to give the NWB sufficient time to go through the amendment process. The process may vary depending on the scope of the amendment requested.
 6. The Licensee shall ensure a copy of this Licence is maintained at the site of operations at all times. Any communication with respect to this Licence shall be made in writing to the attention of:

(i) Manager of Licensing:

Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Telephone: (867) 360-6338
Fax: (867) 360-6369

(ii) Inspector Contact:

Water Resources Officer
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0
Telephone: (867) 975-4298
Fax: (867) 979-6445

7. The Licensee shall submit one paper copy and one electronic copy of all reports, studies, and plans to the Board. Reports or studies submitted to the Board by the Licensee shall include a detailed executive summary in Inuktitut.
8. This Licence is not assignable except as provided in Section 44 of the *Act*.

PART C: CONDITIONS APPLYING TO WATER USE AND THE PROTECTION OF WATER

1. The Licensee shall obtain water for the project activities from the river adjacent to the base camp at the Lower Beach Site or the main site lake up to a total maximum of 30 cubic meters per day.
2. The Licensee shall equip all water intake hoses with a screen of an appropriate mesh size to ensure that there is no entrainment of fish and shall withdraw water at a rate such that fish do not become impinged on the screen.
3. The Licensee shall not remove any material from below the ordinary high water mark of any water body.
4. The Licensee shall not do anything that will cause erosion to the banks of any body of water and shall provide necessary controls to prevent such erosion.
5. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into water.
6. The Licensee shall limit any in-stream activity to low water period. In-stream activity is prohibited during fish migration.
7. The Licensee shall ensure mobilization and any activities associated with Clean-up shall be undertaken in a manner that minimizes disturbance to the bed and banks of any waterbody.

8. The Licensee shall ensure the Clean-up Activities, including maintenance procedures and vehicular refueling shall be controlled to prevent the entry of petroleum products, sediment, debris, rubble or other deleterious substances into water.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall ensure that all discharges of camp wastewater from the approved sewage lagoon system comply with the following effluent quality criteria:

Parameter	Maximum Average Concentration
Biological Oxygen Demand (5 day) - BOD ₅	120 mg/L
Total Suspended Solid (TSS)	180 mg/L
Fecal Coliforms	100,000 CFU/100mL
pH	6-9
Oil and Grease	No visible sheen

2. During camp setup and construction of the sewage lagoon, the Licensee shall contain all camp wastewater in a sump. The sump shall be located at a distance of at least thirty (30) meters above the ordinary high water mark of any water body, treated with lime and covered with native material to achieve the pre-existing natural contours of the land prior to abandonment. The location shall be included in the Annual Report, as per Part B Item 1.
3. All wastewater effluent from the Waste Processing Area, wash water, melt water collection, rinse water resulting from cleaning of fuel tanks and pipelines, water from dewatering contaminated soil areas, contact water within the perimeter of the Landfarm and/or any other liquid effluent shall meet the following Wastewater Discharge Criteria prior to being released onto land:

Parameter	Maximum Allowable Concentration (µg/L)
pH	6 to9
Oil and Grease	5000
Arsenic (total)	100
Cadmium (dissolved)	10
Chromium (dissolved)	100
Cobalt (dissolved)	50
Copper (dissolved)	200
Lead (dissolved)	50
Mercury (total)	0.6
Nickel (dissolved)	200

Parameter	Maximum Allowable Concentration (µg/L)
PCB (total)	1000
Phenols	20
Zinc (total)	500

4. If effluent does not meet the Wastewater Discharge Criteria it shall be considered hazardous waste and disposed off-site according to the Project Specifications.
5. The discharge location for all treated effluents described in Part D Items 1 and 3 shall be to the satisfaction of an Inspector and shall at a minimum be located 30 m from the ordinary high water mark from any water body and where direct flow into a water body is not possible and no additional impacts are created.
6. No open burning of domestic waste is permitted.
7. The Licensee shall incinerate all combustible solid waste associated with the camp.
8. The Licensee shall dispose of all non-combustible, non-hazardous wastes associated with the camp and ash from the camp incinerator in the Non-Hazardous Waste Landfill.
9. All waste oil and hazardous wastes associated with the camp, or currently located onsite, shall be collected, containerized and transported off-site for disposal in an approved facility, as per the Project Specifications.

PART E: CONDITIONS FOR CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS

1. The Licensee shall not erect camps or store material on the surface of frozen streams or lakes except what is for immediate use. Camps shall be located such as to minimize impacts on surface drainage.
2. All activities shall be conducted in such a way as to minimize impacts on surface drainage and the Licensee shall immediately undertake any corrective measures in the event of any impacts on surface drainage.
3. 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 break-up.
4. With respect to access road, pad construction or other earthworks, the deposition of debris or sediment into any water body is prohibited. These materials shall be disposed of above the ordinary high water mark in such a fashion that they do not enter the water.

5. With respect to culvert installation, the Licensee shall comply with the recommendations in the Culvert Assessment FOX-C Decline Site Ekalugad Fjord, NU conducted by EBA Engineering Consultants Ltd.
6. The Licensee shall ensure that all site debris, contaminated soil and hazardous materials are disposed as per the Project Drawings and Project Specifications such that at a minimum:
 - i. Tier I Contaminated Soil shall be disposed in a Non-Hazardous Waste Landfill;
 - ii. Tier II Contaminated Soil and CEPA Contaminated Soil shall be classified and treated as Hazardous Materials;
 - iii. Surface and demolition debris shall be sorted and non-hazardous debris shall be disposed in the Non-Hazardous Waste Landfill;
 - iv. Hazardous Materials shall be containerized and transported off-site for disposal; and
 - v. Petroleum Hydrocarbon Contaminated Soil where F1/F2 fractions exceed the Canadian Council for Ministers of the Environment, *Canada Wide Standard – Petroleum Hydrocarbons in Soil*, for the Residential/Parkland Land Use, shall be treated in the on-site Landfarm or removed, containerized and transported off-site for disposal.
7. The Licensee shall ensure that the Garage Dump is covered, as per the Project Drawings and Project Specifications, once the site debris is collected and the contaminated soils are excavated.
8. The Licensee shall ensure that Lobe B of the Mid-Station Dump is excavated as per the Project Drawings and Project Specifications.
9. The Licensee shall construct and operate the two Non-Hazardous Waste Landfills as per the Project Drawings and Project Specifications.
10. The Licensee shall construct and operate the Landfarm as per the Project Drawings and Project Specifications.
11. If, at the end of site Clean-up Activities, the soil within the Landfarm does not meet the treatment objectives in the Project Specifications, the Licensee shall develop a plan that is to the satisfaction of an Inspector.
12. The Licensee shall submit to the Board As-Built drawings of the two Non-Hazardous

Waste Landfills and the Landfarm with the Annual Report, as per Part B Item 1, for the year during which the construction and operation of the facilities is complete.

13. The Licensee shall construct and operate the Waste Processing Area as per the Waste Processing Area Drawings and the Project Specifications.
14. If the Licensee encounters additional contaminated soil, debris and/or hazardous material, the Licensee shall categorize the waste and dispose of it as per the Project Drawings and Project Specifications. The Licensee shall record in the Annual Report, as per Part B Item 1, all volumes of additional contaminated soil, debris and/or hazardous material.
15. If the volume of waste as described in Part E Item 6, cannot be accommodated by the infrastructure in the Project Drawings and Project Specifications the Licensee shall submit a plan for Board approval.

PART F: CONDITIONS APPLYING TO DRILLING OPERATIONS

1. The Licensee is authorized to drill and install the monitoring wells as shown in the Project Drawings and Project Specifications.

PART G: CONDITIONS APPLYING TO MODIFICATIONS

1. The Licensee may, without written consent from the Board, carry out Modifications to the Water Supply Facilities and Waste Disposal Facilities provided that such Modifications are consistent with the terms of this License and the following 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 License or the *Act*;
 - 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.
2. Modifications for which all of the conditions referred to in Part G, Item 1 have not been met can be carried out only with written approval 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 stamped by an Engineer.

PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

1. The Licensee shall submit to the Board thirty (30) days from the effective date of the Licence an addendum to the approved Spill Contingency Plan that is to include the following:
 - i. Notification of the INAC Water Resources Inspector at (867) 975-4298 following the occurrence of any spill of chemicals, petroleum products or waste associated with the project;
 - ii. Add the Environment Canada 24-hour Emergencies pager number (867) 920-5131 to the Contact List;
 - iii. Include the capacity of the spill kits;
 - iv. Name, title and phone number of the person in charge on site; and
 - v. Name, title and 24-hour contact number for the person responsible for the project.
2. If the addendum referred to in Part H Item 1 is not accepted, the Licensee shall make the necessary changes and resubmit the addendum within thirty (30) days following notification from the Board.
3. The Licensee shall annually review the approved Plan referred to in Part H Item 1 and if needed modify the Plan to reflect changes in operation and/or technology. Revisions shall be submitted with the Annual Report as an addendum to the Plan in accordance with Part B Item 1.
4. The Licensee shall ensure that any chemicals, petroleum products or wastes associated with the project do not enter water. All sumps and fuel caches shall be located a minimum of thirty (30) metres above the ordinary high water mark of any adjacent water body and inspected on a regular basis. The Licensee is encouraged to use some form of secondary containment.
5. The Licensee shall ensure that any equipment maintenance and servicing be conducted only in designated areas and shall implement special procedures (such as the use of drip pans) to manage fluids, waste and contain potential spills.
6. If during the term of this Licence, an unauthorized discharge of waste occurs, or if such a discharge is foreseeable, the Licensee shall:
 - i. Employ the Spill Contingency Plan;

- ii. Report the spill immediately to the 24-Hour Spill Line at (867) 920-8130 and to the INAC Water Resources Inspector at (867) 975-4298; and
- iii. Submit to the INAC Water Resources Inspector on each occurrence, a detailed report including the GPS location, no later than thirty (30) days after initially reporting the event.

PART I: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION

- 1. The Licensee shall submit to the Board six (6) months prior to the completion of onsite activities an Abandonment and Reclamation Plan to address contractor demobilization and site remediation operations.
- 2. The Licensee shall remove from the site all support infrastructures associated with the Cleanup Activities, including the camp, fuel cache, equipment and any other associated materials before the expiry of this License.
- 3. All roads and airstrip shall be re-graded to match natural contour to reduce erosion.
- 4. All culverts shall be removed and the drainage opened up to match the natural channel. Measures shall be implemented to minimize erosion and sedimentation.
- 5. In order to promote natural growth of vegetation and the needed microclimate for seed deposition, all disturbed surfaces shall be prepared by ripping, grading, or scarifying the surface to conform to the natural topography.
- 6. All disturbed areas shall be contoured and stabilized upon completion of work and restored to a pre-disturbed state.

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

- 1. The Licensee shall measure and record in cubic metres the daily quantities of water utilized for all purposes.
- 2. The Licensee shall determine the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of water are utilized for all purposes.

3. The Licensee shall determine the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where wastes associated with camp operations are deposited.
4. The Licensee shall record the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where wastewater effluent meeting the Wastewater Discharge Criteria are deposited.
5. The Licensee shall monitor compliance with respect to Part D Item 1, by collecting one representative composite sample:
 - i. Upon initial release; and
 - ii. At or near the end of the discharge period.
6. The Licensee shall monitor compliance with respect to Part D Item 3, by collecting a representative composite sample from a minimum of 5% of the total volume to be released.
7. The Licensee shall submit to the Board for approval 30 days prior to releasing any effluent a revised the Quality Assurance/Quality Control Plan that conforms to “Quality Assurance (QA) and Quality Control (QC) Guidelines For Use by Class “B” Licensees in Collecting Representative Water Samples in the Field and for Submission of a QAQC Plan” INAC (1996).
8. The Licensee shall submit a Post-Closure Monitoring Plan to the Board for approval 6 months prior to the expiry of this Licence.
9. In the event that the Plans referred to in Part J, Item 8 and 9 are not approved by the Board, the Licensee shall provide a revised version to the Board for approval within 30 days of notification by the Board.
10. The Licensee shall implement the Plans referred to in this Part as and when approved by the Board .
11. An Inspector may impose additional monitoring requirements.
12. All sampling, sample preservation and 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 approved by the Board.
13. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.
14. The Licensee shall include in the Annual Report, as per Part B Item 1, all data and information required by this Part.