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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

-LIP 38-

cc: R. Beavers, Indian and Northern Affairs Canada
L. Cousins, Qikiqtani Inuit Association
G. Joudrey, Nunavut Impact Review Board
J. de Groot, DFO
A. Wilson, Environment Canada
C. Nichols, Sustainable Development
L. Coady, Nunavut Planning Commission

APPROVAL FOR WATER USE AND WASTE DISPOSAL

Pursuant to Article 13 of 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 the Canada – Nunavut Geoscience Office approval to use water and dispose of waste in conjunction with geological mapping and base camp subject to the terms and conditions outlined herewith and in the applicable land use permit.

APPLICATION NO:	NWB4FLI0002
PERMITTEE:	Canada – Nunavut Geoscience Office 626 Tumiit Building P.O. Box 2319 Iqaluit, Nunavut X0A 0H0 Telephone: (867)979-3539 Facsimile: (867)979-0708 email: kmarkwel@nrcan.gc.ca
START DATE:	June 19, 2000
EXPIRY DATE:	September 30, 2002
PURPOSE:	Water Use and Waste disposal associated with camp and geological mapping
LOCATION:	Central Baffin Region, Nunavut General Latitude: 68°58' N; Longitude: 73°03' W NTS Map: 37A

This permit issued and recorded at Gjoa Haven includes and is subject to the annexed conditions.



Philippe di Pizzo
Executive Director

with the *Nunavut Land Claims Agreement*, the other federal legislation shall apply with respect to this permit and the *Northwest Territories Water Act* shall cease to apply with respect to this permit.

PART B: GENERAL CONDITIONS

1. The Permittee shall file a report with the Board no later than March 31st of the year following the calendar year reported, which shall contain the following information:
 - i. A list of unauthorized discharges and a summary of follow-up actions taken;
 - ii. Revision to the Contingency Plan;
 - iii. Progressive reclamation work undertaken;
 - iv. Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.
2. The NWB shall be notified of any changes in operating plans or conditions associated with this project at least thirty (30) days prior to any such change.
3. Annually and within thirty (30) days upon expiration of the authorization, the Permittee shall submit to the Nunavut Water Board and to the Inspector a summary report of activities, abandonment and restoration of the site, and list of unauthorized spills and follow-up action taken.
4. The NWB reserves the right to impose closure of any area to the Permittee in periods when dangers to natural resources are severe.

PART C: CONDITIONS FOR THE USE AND PROTECTION OF WATER

1. The Permittee shall obtain water for domestic purposes from the unnamed river adjacent to the camp, up to a maximum volume of 100 cubic metres per day.
2. If applicable, the permittee shall equip all water intake hoses with a screen with an appropriate mesh size to ensure that there is no entrapment of fish.
3. The Permittee shall ensure compliance with Section 36 of the *Fisheries Act* which requires that no person shall deposit or permit the deposit of a deleterious substance of any type in water frequented by fish or in any place under any conditions where the deleterious substance may enter such water body.
4. The *Fisheries Act* prohibits the harmful alteration, disruption or destruction of fish habitat. No construction or disturbance of any stream, lake bed or banks of any

definable watercourse is permitted unless formally authorized by the Department of Fisheries and Oceans.

5. The Permittee shall not remove any material from below the ordinary high water mark of any waterbody.
6. The Permittee 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 controls to prevent such erosion.
7. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into water.

PART D: CONDITIONS APPLYING WASTE DISPOSAL

1. The Permittee 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 bagged toilet wastes (Honey bags / bucket) shall be disposed of on land and contained in an appropriate sump at least thirty (30) metres from the high water mark of a water body in a manner to the satisfaction of the Inspector.
4. The Permittee shall construct a sump to contain all greywater discharged and shall ensure drainage is away from any water body.
5. The Permittee shall keep all garbage and debris in a covered metal container prior to final disposal.
6. All combustible waste shall be incinerated.
7. Open burning and burying of waste is prohibited.
8. The Permittee shall not bury any scrap metal and other bulky wastes. All scrap metal, discarded machinery and parts, and other bulky material shall be disposed of in an approved disposal site.
9. The Permittee shall ensure that all hazardous and non-combustible wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.

PART E: CONDITIONS FOR CAMPS AND ACCESS INFRASTRUCTURES

1. Camps shall be located on gravel, sand or other durable land in order to minimize impacts on surface drainage.
2. Camps shall be kept clean and tidy at all times.
3. The Permittee 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.
4. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.
5. The Permittee shall be required to undertake any corrective measures in the event of any impacts on surface drainage as a result of the Permittee's operations.
6. If applicable, with respect to access road construction, 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 high water mark in such a fashion that they do not enter the water.

PART F: CONDITIONS APPLYING TO SPILL PREVENTION AND CONTINGENCY PLANNING

1. The Permittee shall ensure that any chemicals, fuel or wastes associated with the project do not enter waters frequented by fish. All sumps and fuel caches shall be located a minimum of thirty (30) metres from the normal high water mark and in such a manner that no fuel can enter any such water body.
2. The Permittee shall submit to the Board for approval a Spill Contingency Plan, within 60 days of issuance of this permit. The plan shall be in accordance with the Northwest Territories Water Board's "Guidelines for Contingency Planning." (1987).
3. If, during the duration of this permit, an unauthorized discharge of waste occurs, or if such a discharge is foreseeable, the Permittee shall:
 - i. Employ the Contingency Plan;
 - ii. Report the incident immediately to the 24-Hour Spill Line at (867) 920-8130; and Submit to the Inspector a detailed report on each occurrence no later than thirty (30) days after initially reporting the event.

- iii. All spills of oil, fuel, or other deleterious materials shall be reported immediately to the 24-Hour Spill Line at (867) 920-8130 and to the INAC Water Resources Inspector at (867) 979-4405
- 4. The Permittee shall examine regularly all fuel and chemical storage containers for leaks; all leaks should be repaired immediately.
- 5. The Permittee shall have one extra fuel storage container on site equal to, or greater than, the size of the largest fuel container.
- 6. The Permittee shall have emergency response / spill contingency plan in place prior to the commencement of the operation.
- 7. The Permittee shall construct an impermeable dyke around each stationary fuel container or group of stationary fuel containers where one container has the capacity exceeding 4000 litres.
- 8. The Permittee shall seal all fuel container outlets except that outlet currently in use.
- 9. The Permittee shall mark all fuel containers with the Permittee's name.
- 10. The Permittee shall dispose of all combustible waste petroleum products by incineration or removal to an approved waste disposal site.
- 11. All waste oil and empty fuel barrels shall be backhauled to Iqaluit for disposal or reuse.

PART G: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION

- 1. The Permittee shall advise the NWB at least 30 days prior to the completion of the operation on but not limited to the following:
 - a. The plan for removal and storage of equipment and materials
 - b. Backfilling of sumps
 - c. When final clean-up and restoration will be completed.
- 2. Upon abandonment, the Permittee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material.
- 3. The Permittee shall backfill and restore to the satisfaction of the Inspector all sumps back to the natural surrounding contours of the land prior to the expiry of this permit.

4. The Permittee shall undertake progressive restoration for any components of the project which are no longer required for the Permittee's operations.
5. All disturbed areas shall be stabilized and re-vegetated as required, upon completion of work and restored to a pre-disturbed state.

**GENERAL CONDITIONS FOR THE ADMINISTRATION OF PERMITS
ISSUED BY THE NUNAVUT WATER BOARD (NWB)**

The following conditions form an integral part of Permit No. NWB4FLI0002 :

1. At the time of issuance, a copy of the Permit is placed on the Water Register in the NWB Head Office in Gjoa Haven. **Documents in the Register are available to the public.**
2. If the Permittee contemplates the renewal of Permit No. NWB4FLI0002, it is its responsibility to apply to the NWB for its renewal. The past performance of the Permittee, 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 Permit renewal. Note that if the permit expires before the NWB issues a new one, then water use and waste disposal **must cease**, or the Permittee will be in contravention of the Nunavut Land Claims Agreement. The NWB recommends that an application for the renewal of Permit No. NWB4FLI0002 be filed **at least three months** before the Permit's expiry date.
3. If Permit No. NWB4FLI0002 requires amendment, then a **public hearing may be required**. The Permittee 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.
4. Any communication with respect to this permit shall be made **in writing** to the attention of:

Philippe di Pizzo
Executive Director
Nunavut Water Board
P. O. Box 119
Gjoa Haven, Nunavut X0E 1J0
Telephone: (867) 360-6338
Fax: (867) 360-6369

5. The Permittee shall submit all reports, studies, and plans to the Board in three copies. Reports or studies submitted to the Board by the Permittee shall include a **detailed executive summary in Inuktitut**.