



WATER LICENCE G04L8-001

Pursuant to the *Mackenzie Valley Resource Management Act*, the *Northwest Territories Waters Act* and *Regulations*, the **Gwich'in Land and Water Board** (hereinafter referred to as the Board) hereby grants to:

Imperial Oil Resources Ventures Limited

(hereinafter referred to as the Licensee)

237, 4th Ave. S.W. P.O. Box 2480 Stn. M. Calgary AB T2P 0H6

(Mailing Address)

the right to watercourse training subject to the restrictions and conditions contained in the *Mackenzie Valley Resource Management Act*, the *Northwest Territories Waters Act* and *Regulations* made there under and subject to and in accordance with the conditions specified in this License.

License Number: **G04L8-001**

License Type: **"B"**

Location: **Proposed Pipeline Route
Gwich'in Settlement Region, Northwest Territories
(CNR Line)**

Water Management Area **NORTHWEST TERRITORIES 03**

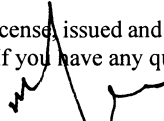
Purpose: **Winter Road Construction**

Quantity of Water Not to Exceed: **300 Cubic Meters Per Day**

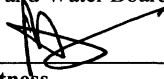
Effective Date of License: **January 20, 2005.**

Expiry Date of License: **April 30, 2005.**

This License, issued and recorded at Inuvik NT, includes and is subject to the annexed conditions, and shall be kept on site at all times. If you have any questions, please call the Gwich'in Land and Water Board at (867) 777-7960.



Willard Hagen, Chairman



Witness

Date: **Jan 25, 2005**



P.O. Box 2018 Inuvik NT. X0E 0T0
Ph. 867 777 4954 Fx. 867 777 2616

Peter Grout
Manger, Regulatory Affairs
Imperial Oil Resources Ventures Limited
P.O. BOX 2480, Station M
Calgary, Alberta
T2P 3M9

January 20, 2005

Dear Mr. Grout

RE: ISSUANCE OF A TYPE“B”WATER LICENSE FOR MISCELLENEOUS PURPOSES

Attached is a duplicate of License No. G04L8-001 granted to the Imperial Oil Resources Ventures Limited by the Gwich'in Land and Water Board (GLWB) in accordance with the Northwest Territories Waters Act. The original license has been filed within the Public Registry at the GLWB office in Inuvik, NT.

Also attached are general procedures for the administration of licenses in the Northwest Territories. I request that you review these and address any questions to the Board's office.

Please be advised that this letter with attached procedures, all inspection reports, and correspondence related thereto are part of the Public Water Register, and are intended to keep all interested parties informed of the manner in which the License requirement are being met. All Water Register material will be considered when the License comes up for renewal or amendment.

The full cooperation of the Imperial Oil Resources Ventures Limited is anticipated

Sincerely

Willard Hagen

Chairman
Gwich'in Land and Water Board

CC. Rudy Cockney – DIAND, INUVIK, NT

GENERAL PROCEDURES FOR THE ADMINISTRATION OF LICENSES
ISSUED UNDER THE NORTHWEST TERRITORIES WATERS ACT
IN THE NORTHWEST TERRITORIES

1. At the time of issuance, a copy of the License is placed on the Water Register in the office of the Gwich'in Land And Water Board in Inuvik, and is available to the public
2. To enforce the terms and conditions of the license, the Minister of Indian Affairs and Northern Development has appointed Inspectors in accordance with Section 35 (1) of the Northwest Territories Waters Act. The inspectors coordinate their activities with the officials of the Gwich'in Land and Water Board Staff. The Inspector responsible for License No. G04L8-001 is located in the Department of Indian Affairs & Northern Affairs, North Mackenzie – Inuvik District Office.
3. To keep the Water Board and its members of the Public informed of the Licensee's conformity to the License condition, the Inspectors prepare reports of the which detail observations on how each item in the License has been met. These reports are forwarded to the Licensee with a covering letter indicating what action, in any, should be taken. The Inspection reports and covering letters are placed on the public Water Register, as are any responses received from the Licensee. Pertaining to the inspection reports. It is therefore of prime importance that you react in all areas of concern regarding all inspection reports so that these concerns may be clarified.
4. If the renewal of License No. G04L8-001 is contemplated; it is the responsibility of the Licensee to apply to the Gwich'in Land And Water Board for renewal. The past performance of the Licensee, new documentation and information, points raised during any public hearing, if required, will be used to determine the terms and conditions of any License Renewal. Please note that if the License expires and the Licensee has not been issued a new license, then water and waste disposal must cease, or you, the Licensee, would be in contravention of the Northwest Territories Water Act. It is suggested that an application for renewal of this License be made at least three months in advance of the License expiry date.

If for some reason, License No. G04L8-001 requires an amendment, then a public hearing may be required. You are reminded that applications for amendments should be submitted as soon as possible to provide the Board with ample time to go through the amendment process. The process may take up to six (6) months or more depending on the scope of the amendment.

5. Specific clauses of your License may make reference to the Board, Analyst or Inspector. The contact person, address, phone and fax number of each is:

BOARD Executive Director
Gwich'in Land and Water Board
P.O. Box 2018
INUVIK, NT X1A 0T0
Phone: (867) 777- 4957
Fax: (867) 777 - 7970

INSPECTOR Water Resources Inspector
North Mackenzie – Inuvik District Office
Operations Division
Department of Indian Affairs and Northern Development
P.O. Box 2100
INUVIK, NT X0E 0T0
Phone: (867) 777- 3361
Fax: (867) 777- 2090

ANALYST Analyst
Taiga Environmental Laboratory
Northern Affairs Program
Department of Indian Affairs and Northern Development
P.O. Box 1500
4601 – 52nd Avenue
YELLOWKNIFE, NT X1A 2R3
Phone: (867) 669 – 2780
Fax: (867) 669 – 2718

PART A: SCOPE AND DEFINITIONS

1. Scope

- a) This Licence allows for the use of water and disposal of waste for Winter Road Maintenance purposes for the 2005 IORVL Winter Geo-technical Program along the proposed pipeline route (CNR Trail), as mapped in the water license application, within the Gwich'in Settlement Region, Northwest Territories.
- b) 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 Northwest Territories Waters 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 automatically amended to conform with such Regulations.
- c) 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, Municipal legislation and Regional Water and Land Use Plans.

2. Definitions

In this Licence: **G04L8-001**

"Act" means the Northwest Territories Waters Act;

"Analyst" means an Analyst designated by the Minister under Section 35(1) of the Northwest Territories Waters Act;

"Board" means the **Gwich'in Land and Water Board** established under the Gwich'in Land Claim Agreement and the Mackenzie Valley Resource Management Act;

"Inspector" means an Inspector designated by the Minister under Section 35(1) of the Northwest Territories Waters Act;

"Licensee" means the holder of this Licence;

"Minister" means the Minister of Indian Affairs and Northern Development;

"Regulations" means Regulations proclaimed pursuant to Section 33 of the Northwest Territories Waters Act;

"Waste" means waste as defined by Section 2 of the Northwest Territories Waters Act;

"Greywater" means all liquid wastes from showers, baths, sinks, kitchens and domestic washing facilities, but does not include toilet wastes or industrial chemicals;

"Sewage" means all toilet wastes.

"Water Supply" comprises the location of water sources for miscellaneous use as identified in the 2004 G04L8-001 water license application.

PART A: GENERAL CONDITIONS

1. The Licensee shall file a Report with the BOARD every seven (7) days, which shall contain the following information:
 - a) the daily quantities in cubic metres of fresh water obtained from all sources;
 - b) a summary of any abandonment and restoration work completed and an outline of any work anticipated;
 - c) a summary of any studies requested by the BOARD;
 - d) An outline of any spill training or communications exercises carried out;
 - e) Any revisions to the approved contingency plan;
 - f) A list of unauthorized discharges
2. Meters, devices or other such methods used for measuring the volumes of water used shall be installed, operated and/or maintained by the Licensee to the satisfaction of an Inspector.

3. The Licensee shall immediately report to the 24 Hour Spill Report Line (867-920-8130) any spills of waste, fuel or other deleterious material that enter any waters.
4. The Licensee shall ensure a copy of this Licence is displayed, on site, in a readily available location, to the satisfaction of the inspector.

PART B: CONDITIONS APPLYING TO WATER USE

1. The Licensee shall obtain all water for winter road maintenance use from the “water supply/ water source(s)” identified in water license application G04L8-001 as **GSA2, GSA3, GSA4, GSA5, GSA6, GSA7, GSA8, GSA11, GSA12, GSA14 and GSA16.**
3. The Daily quantity of water used for all purposes shall not exceed 300 cubic metres.
4. The water intake hose used on the water pumps shall be equipped with a screen with a mesh size sufficient to ensure no entrainment of fish as per the ***Freshwater intake end-of-pipe fish screen guidelines (DFO 1995).***
5. The maximum quantities of water from each source are highlighted in the Bathymetry Survey 2003 in application **G04L8-001** by the Licensee. The approved volume withdrawals per water source are as follows:

| <u>Water Source</u> | <u>Maximum Water Withdrawals</u> |
|----------------------------|---|
| GSA2 | 200m³ |
| GSA3 | 2266m³ |
| GSA4 | 4000m³ |
| GSA5 | 1200m³ |
| GSA6 | 4000m³ |
| GSA7 | 4000m³ |
| GSA8 | 4000m³ |
| GSA11 | 4000m³ |
| GSA12 | 1500m³ |
| GSA14 | 4000m³ |
| GSA16 | 1000m³ |

6. The Licensee may temporarily obtain additional water from BOARD approved water sources and/or alternative water sources where and when approved in writing by the Inspector.
7. The Licensee shall report to the BOARD, in writing, any approved alternative water sources within twenty-four (24) hours. The BOARD reserves the right to impose closure of any Water Supply when dangers to natural resources occur

PART C: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall dispose of all Solid Wastes and Sewage at a BOARD approved municipal waste disposal facility.
2. The Licensee shall ensure that any unauthorized wastes associated with the “B” Class License do not enter any waters
3. The Licensee shall discharge greywater upon approval of an inspector.
4. The Licensee shall dispose of greywater prior to the removal of men and equipment.

PART D: CONDITIONS APPLYING TO MODIFICATIONS

Not Applicable

PART E: CONDITIONS APPLYING TO CONTINGENCY PLANNING

1. Where unauthorized deleterious materials are discharged to any lands, the Licensee shall:
 - a) Advise an Inspector as per The INAC Spill Reporting Protocol for Upstream Oil and Gas Operations; and
 - b) Document the details of each occurrence
 - c) Submit to the BOARD, a detailed report on each occurrence not later than thirty (30) days after initially recording the event
3. The Licensee shall maintain drip trays to be utilized while refuelling equipment.

PART F: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION

1. The Licensee shall submit to the BOARD plans describing the abandonment and restoration of any facilities used during the water license operation. The plan shall include, but not be limited to:
 - a) contaminated site remediation;
 - b) leachate prevention;
 - c) maps delineating all disturbed areas, and site facilities;
 - d) consideration of altered drainage patterns;

e) type and source of cover materials;

GWICH'IN LAND & WATER BOARD

Witness

Chairman