

NORTHWEST  
TERRITORIES  
WATER BOARD



NUNAPPA  
SIVUNIUKPAIT  
IMMAKUN

WATER REGISTER: N7L1-1814

July 10, 2006

Ms. Emma Pike  
Contaminants and Remediation Directorate  
Department of Indian and Northern Affairs Canada  
P.O. Box 1500  
YELLOWKNIFE, NT X1A 2R3

Dear Ms. Pike:

**ISSUANCE OF A "B" TYPE LICENCE-JOHNSON POINT**

Attached is a duplicate of Licence No. N7L1-1814 granted to CARD-Johnson Point by the Northwest Territories Water Board in accordance with the *Northwest Territories Waters Act*. The other original of this Licence has been filed with the Department of Indian Affairs and Northern Development in Yellowknife, Northwest Territories.

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 Licence requirements are being met. All Water Register material will be considered when the Licence comes up for renewal or amendment.

The full cooperation of Contaminants and Remediation Directorate is anticipated.

Sincerely,

Gordon Wray  
Chairman  
N.W.T. Water Board

Attach.

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

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1. At the time of issuance, a copy of the Licence is placed on the Water Register in the Office of the Northwest Territories Water Board in Yellowknife, and is then available to the public.
2. To enforce the terms and conditions of the Licence, 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 officials of the Water Resources Division of the Department of Indian Affairs and Northern Development. The Inspector responsible for Licence No. N7L1-1814 is located in the North Mackenzie -Inuvik District Office.
3. To keep the Water Board and members of the public informed of the Licensee's conformity to Licence conditions, the Inspectors prepare reports which detail observations on how each item in the Licence has been met. These reports are forwarded to the Licensee with a covering letter indicating what action, if 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 Licence No. N7L1-1814 is contemplated it is the responsibility of the Licensee to apply to the Water Board for renewal of the Licence. The past performance of the Licensee, new documentation and information, and points raised during a public hearing, if required, will be used to determine the terms and conditions of any Licence renewal. Please note that if the Licence expires and another has not been issued, then water and waste disposal must cease, or you, the Licensee, would be in contravention of the *Northwest Territories Waters Act*. It is suggested that an application for renewal of Licence No. N7L1-1814 be made at least eight months in advance of the Licence expiry date.
5. If, for some reason, Licence No. N7L1-1814 requires 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 Water 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 requested.

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

BOARD: Executive Assistant  
Northwest Territories Water Board  
P.O. Box 1326  
YELLOWKNIFE, NT X1A 2N9  
Phone No: (867) 765-0106  
Fax No: (867) 765-0114

ANALYST: Analyst  
Water Laboratory  
Department of Indian Affairs  
and Northern Development  
P.O. Box 1500, 4601 - 52nd Avenue  
YELLOWKNIFE, NT X1A 2R3  
Phone No: (867) 669-2780  
Fax No: (867) 669-2718

INSPECTOR: Inspector  
North Mackenzie-Inuvik District Office  
Department of Indian Affairs  
and Northern Development  
P.O. Box 2100  
INUUVIK, NT X0E 0T0  
Phone No: (867) 777-3361  
Fax No: (867) 777-2090

# NORTHWEST TERRITORIES WATER BOARD

Pursuant to the *Northwest Territories Waters Act* and Regulations the Northwest Territories Water Board, hereinafter referred to as the Board, hereby grants to

## CONTAMINANTS AND REMEDIATION DIRECTORATE

(Licensee)

Indian and Northern Affairs Canada

P.O. Box 1500

of

YELLOWKNIFE, NT X1A 2R3

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use water subject to the restrictions and conditions contained in the *Northwest Territories Waters Act* and Regulations made thereunder and subject to and in accordance with the conditions specified in this Licence.

Licence Number

N7L1-1814

Licence Type

"B"

Water Management Area

NORTHWEST TERRITORIES 07

Location

Johnson Point, Banks Island

Latitude 72°45'10" North and

Longitude 118°30' West,

NORTHWEST TERRITORIES

Purpose

To use water and dispose of waste for  
industrial undertakings

Quantity of Water Not to be Exceeded

100 CUBIC METRES DAILY

Effective Date of Licence

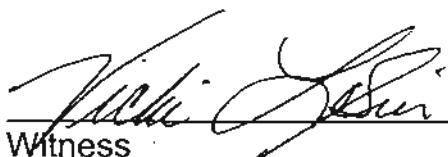
JULY 10, 2006

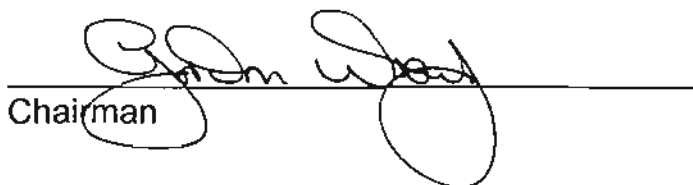
Expiry Date of Licence

JULY 9, 2009

This Licence issued and recorded at Yellowknife includes and is subject to the annexed conditions.

**NORTHWEST TERRITORIES WATER BOARD**

  
Witness

  
Chairman

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

### **1. Scope**

- a) This Licence entitles INAC Contaminants and Remediation Directorate to use Water and dispose of Waste for industrial undertakings on Banks Island for the Johnson Point Project located at Latitude 72°45'10" North, and Longitude 118°30' West, 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; and
- 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 and Municipal legislation.

### **2. Definitions**

In this Licence: **N7L1-1814**

**"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*;

**"Average Concentration For Faecal Coliform"** means the geometric mean of any four consecutive analytical results submitted to the Board in accordance with the sampling and analysis requirements specified in the "Surveillance Network Program";

**"Board"** means the Northwest Territories Water Board established under Section 10 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;

**"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;

**"Maximum Average Concentration"** means the running average of any four consecutive analytical results, or if less than four analytical results collected, and submitted to the Inspector in accordance with the sampling and analysis requirements specified in the "Surveillance Network Program";

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

**"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 include an expansion;

**"Project Description"** refers to the report titled "INAC Contaminated Sites Program, Johnson Point: Waste Fuel Incineration and Environmental Assessment", dated "April 2006" and prepared by CARD;

**"Sewage"** means all toilet Waste and greywater;

**"Toilet Wastes"** mean all human excreta and associated products, but does not include greywater;

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

**"Sump"** means an excavation with an impermeable layer for the purpose of catching or storing fluids.

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

**"Waters"** mean Waters as defined by Section 2 of the *Northwest Territories Waters Act*.

**PART B: GENERAL CONDITIONS**

1. The Licensee shall file an Annual Report with the Board not later than December 1st of the year reported which shall contain the following information:
  - a) the total quantity in cubic metres of fresh Water obtained from all sources;
  - b) the total quantities in cubic metres of each and all Waste discharged;
  - c) the location and direction of flow of all Waste discharged to the land or Water;
  - d) a summary of any modifications carried out on the water supply and Waste disposal facilities, including all associated ~~structures~~;
  - e) a list of spills and unauthorized discharges;
  - f) a description of the planned activities for the upcoming field season; and
  - g) any other details on water use or Waste disposal requested by the Board within forty-five (45) days before the annual report is due.
2. Meters, devices or other such methods used for measuring the volumes of Water used and Waste discharged shall be installed, operated and maintained by the Licensee to the satisfaction of an Inspector.
3. All monitoring data shall be submitted in printed form and electronically in spreadsheet format on a diskette or other electronic forms acceptable to the Board.
4. All reports shall be submitted to the Board in printed format accompanied by an electronic copy in a common word processing format on diskette or other electronic forms acceptable to the Board.
5. The Licensee shall ensure a copy of this Licence is maintained at the site of operation at all times.

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

1. The daily quantity of Water used for all purposes shall not exceed 100 cubic metres.
2. Where practical, the Licensee shall minimize freshwater use by serially transferring Water from one tank to another.
3. 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 (2.54 mm).

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

1. All Sewage from the camp shall be directed to the sump or as approved by an Inspector.
2. The Licensee shall dispose of all solid Wastes in a manner acceptable to the Inspector.
3. All Waste Water derived from sludge consolidation and tank cleaning operations must meet the following effluent parameters prior to disposal to the environment:

Parameter	Proposed Discharge Criteria
Oil and Grease	5 mg/L and none visible
Benzene	.370 mg/L
Toluene	.002 Mg/L
Ethylbenzene	.09 Mg/L

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 may be approved by an Analyst.
5. The Licensee must notify an Inspector at least five (5) days prior to any discharge of Waste Water from the holding tank.



6. The Licensee may commence the discharge of Waste Water from the holding tank upon receipt of an Inspector's approval.

**PART E: CONDITIONS APPLYING TO MODIFICATIONS**

1. The Licensee may, without written approval 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 requirements are met:
  - a) the Licensee has notified an Inspector in writing of such proposed Modifications at least five (5) days prior to beginning the Modifications;
  - b) such Modifications do not place the Licensee in contravention of either this Licence or the Act;
  - c) an Inspector has not, during the five (5) days following notification of the proposed Modifications, informed the Licensee that review of the proposal will require more than five (5) days; and
  - d) an Inspector has not rejected the proposed Modifications.
2. Modifications for which all of the conditions referred to in Part E, Item 1 have not been met may be carried out only with written approval from an Inspector.
3. The Licensee shall provide to the Board as-built plans and drawings of the Modifications referred to in this Licence within ninety (90) days of completion of the Modifications.

**PART F: CONDITIONS APPLYING TO CONTINGENCY PLANNING**

1. The Licensee will maintain a copy of the approved Spill Contingency Plan onsite in a readily available location, to the satisfaction of an Inspector.
2. The Licensee shall ensure that petroleum products, hazardous material and other Wastes associated with the project do not enter any Waters.

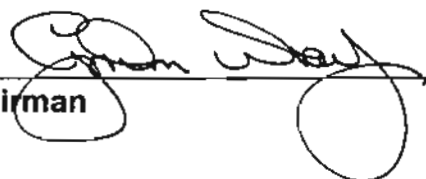
3. The Licensee shall ensure that all containment berms are constructed of an impermeable material, to the satisfaction of an Inspector.
4. If, during the period of this Licence, an unauthorized discharge of Waste occurs, or if such a discharge is foreseeable, the Licensee shall:
  - a) report the incident immediately via the 24 Hour Spill Reporting Line (867) 920-8130; and
  - b) submit to an Inspector a detailed report on each occurrence not later than thirty (30) days after initially reporting the event.

**PART G: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION**

1. Upon completion of all activities, the Licensee shall ensure that all equipment and materials are removed from the site. Other final restoration activities as outlined in the Project Description should be implemented to the satisfaction of an Inspector.

**NORTHWEST TERRITORIES WATER BOARD**

  
Witness

  
Chairman