

January 5, 2009

File: N7L3-1525

Ms. Lena Egotak
Senior Administrative Officer
Hamlet of Ulukhaktok
Box 157
Ulukhaktok, NT X0E 0S0

Fax: (867) 396-8001

Dear Ms. Egotak:

ISSUANCE OF TYPE B WATER LICENCE RENEWAL

Attached is Water Licence N7L3-1525 granted by the Northwest Territories Water Board (NWTWB or the Board) in accordance with the *Northwest Territories Waters Act*. A copy of this Licence has been filed in the Public Registry at the NWTWB office. Water Licence N7L3-1525 has been approved for a period of twelve (12) months commencing January 1, 2009 and expiring December 31, 2009. Also attached are the general procedures for the administration of Licences in the Northwest Territories. Please review these carefully and address any questions to the Board's office.

This letter, with attached procedures, all Inspection Reports and correspondence related thereto are part of the Public Registry and are intended to keep all interested parties informed of the manner in which the Licence requirements are being met. All Public Registry material will be considered if an amendment to the Licence is requested.

You are reminded that compliance with the terms and conditions of Water Licence N7L3-1525 is mandatory. By the end of the Licence term, the Hamlet of Ulukhaktok shall submit to the Board a work plan detailing how the Hamlet plans to address the non-compliance items as outlined in the attached 2005 Municipal Water Licence Inspection Report. A time line should be included in the work plan to identify a target completion date for each infraction. The term of the next water licence renewal will be dependent on the submission of the work plan and progress at the time of renewal.

The full cooperation of Hamlet of Ulukhaktok is anticipated and appreciated. Should you have any further questions or concerns, please telephone (867) 669-0506 or email permits@mvlwb.com.

Yours sincerely,



Eddie Dillon
Chair

Attachments

Copied to: Carol Mills, Manager, Water Resources, INAC;
Distribution List of Reviewers

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

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 and Northern Affairs Canada has appointed Inspectors in accordance with Section 35(1) of the *Northwest Territories Waters Act*. The Inspectors coordinate their activities with officials of Indian and Northern Affairs Canada. The Inspector responsible for Licence No. N7L3-1525 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. N7L3-1525 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. N7L3-1525 be made at least eight months in advance of the Licence expiry date.
5. If, for some reason, Licence No. N7L3-1525 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 Director
Northwest Territories Water Board
Box 2531
INUVIK, NT X0E 0T0

Phone No: (867) 678-2942
Fax No: (867) 678-2943

Executive Director
Northwest Territories Water Board
Box 1326
YELLOWKNIFE, NT X1A 2N9

Phone No: (867) 765-0106
Fax No: (867) 765-0114

ANALYST: Analyst
Water Laboratory
Indian and Northern Affairs Canada
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
Indian and Northern Affairs Canada
P.O. Box 2100
INUVIK, NT X0E 0T0

Phone No: (867) 777-3361
Fax No: (867) 777-2090

NORTHWEST TERRITORIES WATER BOARD

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

(Licencee) Hamlet of Ulukhaktok (Holman)

of _____
(Mailing Address) P.O. Box 157, Ulukhaktok, NT, X0E 0S0

Hereinafter called the Licencee, 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: _____
N7L3-1525 (RENEWAL)

Licence Type: _____
B

Water Management Area: _____
NORTHWEST TERRITORIES 07

Location: _____
Latitude 70°45'47"N
Longitude 117°48'21" W
ULUKHAKTOK, NT

Purpose: _____
WATER USE AND WASTE DISPOSAL
FOR A MUNICIPAL UNDERTAKING

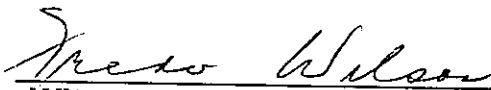
Quantity of water **not to be exceeded**: _____
35,000 CUBIC METRES

Effective Date of Licence: _____
JANUARY 1, 2009


Expiry Date of Licence: _____
DECEMBER 31, 2009

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

NORTHWEST TERRITORIES WATER BOARD



Witness



Chair

Ulukhaktok Municipal Water Licence – N7L3-1525

PART A: SCOPE AND DEFINITIONS

1. **Scope**

- a. This Licence entitles the Hamlet of Ulukhaktok to use water and dispose of waste for municipal undertakings at Hamlet of Ulukhaktok, latitude 70°44' North and longitude 117°45" 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.
- 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.

1. **Definitions**

In this Licence: **N7L4-1525**

“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 Northwest Territories Water Board established under the *Northwest Territories Waters Act*;

“Average Concentration” means the discrete average of four consecutive analytical results, or if less than four analytical results collected during a batch decant, and as submitted to the Board in accordance with the sampling and analysis requirements specified in the “Surveillance Network Program”;

Ulukhaktok Municipal Water Licence – N7L3-1525

“Average Concentration For Faecal Coliforms” means the running 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”;

“Bagged Toilet Waste Disposal Facilities” comprises the area and associated structures designed to contain bagged toilet wastes (honey bags);

“Commercial Waste Water” means water and associated waste generated by the operation of a commercial enterprise, but does not include toilet water or greywater;

“Freeboard” means the vertical distance between water line and the lowest elevation of the effective water containment crest on a dam or dyke’s upstream slope;

“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;

“Minister” means the Minister of Indian Affairs and Northern Development;

“Pumpout Sewage” means all toilet wastes an/or greywater collected by means of a vacuum truck for disposal at an approved facility;

“Regulations” means Regulations proclaimed pursuant to Section 33 of the *Northwest Territories Waters Act*;

“Sewage” means all toilet wastes and greywater;

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

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

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

“Waste” means waste as defined by Section 2 of the *Northwest Territories Waters Act*;

Ulukhaktok Municipal Water Licence – N7L3-1525

“Waste Disposal Facilities” mean all facilities designated for the disposal of waste, and includes the Sewage Disposal Facilities, Solid Waste Disposal Facilities, and Bagged Toilet Wastes Disposal Facilities;

“Waters” means any Waters as defined by Section 2 of the *Northwest Territories Waters Act*; and

“Water Supply Facilities” comprises the area and associated intake infrastructure.

PART B: GENERAL CONDITIONS

1. The Licensee shall file an Annual Report with the Board not later than ***March 31st** of the year following the calendar year reported which shall contain the following information:
 - a. the monthly and annual quantities in cubic metres of fresh water obtained from all sources;
 - b. the monthly and annual quantities of waste discharged from the Sewage Disposal Facilities;
 - c. any problems, modifications or repairs done to the water use and waste disposal facilities;
 - d. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
 - e. other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
 - f. tabular summaries of all data generated under the “Surveillance Network Program”.
2. The Licensee shall comply with the “Surveillance Network Program” annexed to this Licence, and any amendment to the said “Surveillance Network Program” as may be made from time to time, pursuant to the conditions of this Licence.
3. The “Surveillance Network Program” and compliance dates specified in the Licence may be modified at the discretion of the Board.
4. The Licensee shall, within sixty (60) days of the issuance of this Licence, post the

Ulukhaktok Municipal Water Licence – N7L3-1525

necessary signs, where possible, to identify the stations of the “Surveillance Network Program”. All postings shall be located and maintained to the satisfaction of an Inspector.

5. The Licensee shall, within sixty (60) days of issuance of this Licence, post signs in the appropriate areas to inform the public of Water Supply and Waste Disposal Facilities. All postings shall be located and maintained to the satisfaction of an Inspector.
6. Meters, devices or other such methods used for measuring the volumes of water used shall be installed, operated and maintained by the Licensee to the satisfaction of an inspector.
7. The Licensee shall immediately report to the 24 Hour Spill Report Line (867 920-8130) any spills of Waste, which are reported to or observed by the Licensee, within the municipal boundaries or in the areas of the Water Supply or Waste Disposal Facilities.
8. The Licensee shall ensure a copy of this Licence is maintained at the municipal office at all times.

PART C: CONDITIONS APPLYING TO WATER USE

1. The Licensee shall obtain all fresh water from RCAF Lake using the Water Supply Facilities or as otherwise approved by the Board.
2. The Licensee may obtain water from an alternate water supply for use on an emergency basis upon approval of the Board, when it is not possible to obtain water from the source as stated in Part C, Item 1.
3. The annual quantity of water used for all purposes shall not exceed 35,000 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 (2.54mm).

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall direct all piped and pumpout Sewage to the Sewage Disposal Facilities or as otherwise approved by the Board.

Ulukhaktok Municipal Water Licence – N7L3-1525

2. All Sewage effluent discharged from the Sewage Disposal Facilities at "Surveillance Network Program" Station Number 1525-2 shall meet the following effluent quality standards:

PARAMETER	MAXIMUM AVERAGE CONCENTRATION
Faecal Coliforms	10 ⁶ CFU/100mL
BOD ₅	120 mg/L
Suspended Solids	180 mg/L

The Waste discharged shall have a pH between 6 and 9, and no visible sheen of oil and grease.

3. The sewage lagoon shall be maintained and operated in such a manner as to prevent structural failure.
4. The Licensee shall maintain the Sewage Disposal Facilities to the satisfaction of an Inspector.
5. All bagged toilet wastes (honey bags) shall be disposed of at the Bagged Toilet Waste Disposal Facilities to the satisfaction of an Inspector.
6. The Licensee shall dispose of all solid wastes at the Solid Waste Disposal Facilities or as otherwise approved by the Board.

PART E: CONDITIONS APPLYING TO MODIFICATIONS

1. The Licensee may, without written approval from the Board, carry out modifications to the Water Supply and Waste Disposal Facilities provided that such modifications are consistent with the terms of this Licence and the following requirements are met:
- a. the Licensee has notified the Board in writing of such proposed modifications at least sixty (60) days prior to beginning the modifications;
 - b. such modifications do not place the Licensee in contravention of either the Licence or the *Act*;
 - c. 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
 - d. the Board has not rejected the proposed modifications.

Ulukhaktok Municipal Water Licence – N7L3-1525

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 the Board.
3. The Licensee shall provide to the Board site plans of the modifications referred to in Part E, Item 1 within ninety (90) days of completion of the modifications.

PART F: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION

1. The Licensee shall submit to the Board for approval an Abandonment and Restoration Plan at least six (6) months prior to abandoning any sewage or solid waste facilities. The Plan shall include, but not be limited to:
 - a. contaminated site remediation;
 - b. leachate prevention;
 - c. an implementation schedule;
 - d. maps delineating all disturbed areas, borrow material locations, and site facilities;
 - e. consideration of altered drainage patterns;
 - f. type and source of cover materials;
 - g. future area use; and
 - h. hazardous wastes.
2. The Licensee shall implement the Plan specified in Part F, Item 1 as and when approved by the Board.

PART H: CONDITIONS APPLYING TO CONSTRUCTION

1. Prior to construction of any dams, dykes or structures, intended to contain, withhold, divert or retain water or wastes, the licensee shall submit to the Board for Approval design drawings stamped by a qualified engineer registered in the Northwest

Ulukhaktok Municipal Water Licence – N7L3-1525

Territories.

2. Construction of designed structures shall be carried out as approved by the Board.

PART I: CONDITIONS APPLYING TO OPERATION AND MAINTENANCE

1. The Licensee shall, within six (6) months of the issuance of this Licence, submit to the Board for approval, a plan for the Operation and Maintenance of the Sewage and Solid Waste Disposal Facilities. The plan shall include but not be limited to the following:
 - a. frequency of inspection of dams, dykes and drainage courses;
 - b. removal of floating materials from the Sewage Disposal Facilities;
 - c. controlling effluent discharge quality;
 - d. runoff and drainage control within and around the facility, and restoration of erosion;
 - e. treatment of contaminated drainage;
 - f. prevention of windblown debris;
 - g. managing hazardous waste;
 - h. segregation of domestic, metal and recyclable waste materials;
 - i. method and frequency of site maintenance, including burning where permitted; and
 - j. alternatives designed to reduce burning.
2. The Licensee shall implement the plan specified in Part I, Item 1 as and when approved by the Board.

NORTHWEST TERRITORIES WATER BOARD

Ulukhaktok Municipal Water Licence – N7L3-1525

Spencer Wilson
Witness

Sheila Dalton
Chair

NORTHWEST TERRITORIES WATER BOARD

LICENSEE:	HAMLET OF ULUKHAKTOK
LICENCE NUMBER:	N7L3-1525
EFFECTIVE DATE OF LICENCE ISSUANCE:	JANUARY 1, 2009
EFFECTIVE DATE OF SURVEILLANCE NETWORK PROGRAM:	DECEMBER 31, 2009

SURVEILLANCE NETWORK PROGRAM

A. Location of Surveillance Stations

<u>Station Number</u>	<u>Description</u>
1525-1	Raw water supply
1525-2	Sewage lagoon effluent at outlet
1525-3	Run-off from solid waste disposal facilities
1525-4	Run-off from abandoned nuisance ground

B. Sampling and Analysis Requirements

1. Water at Station Number 1525-2 shall be sampled at least four times during each decant and analyzed for the following parameters:

pH	Suspended Solids
Faecal Coliform	BOD ₅
Ammonia-Nitrogen	

2. Water at Station Number 1525-1 shall be sampled annually during periods of open water and analyzed for the following parameters:

pH	Suspended Solids
Total Mercury	Total Cadmium
Total Chromium	Total Cobalt
Total copper	Total Manganese
Total Nickel	Total Lead

Total Iron


Total Zinc

3. Water at Station Numbers 1525-2 and 1525-3 shall be inspected monthly during periods of flow for the presence of an oily sheen. If a sheen is detected, then a sample shall be collected and analyzed for the presence of oil and grease.
4. 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 an Analyst.
5. All analyses shall be performed in a laboratory approved by an Analyst.


C. Flow and Volume Measurement Requirements

1. The monthly and annual quantities of water pumped from Surveillance Network Program Station Number 1525-1 for municipal purposes shall be measured and recorded in cubic meters.

NORTHWEST TERRITORIES WATER BOARD



Witness



Chairman