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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: 3BM-TAL0813

December 11, 2008

Mr. Chris Dixon
Acting SAO of Taloyoak
Hamlet of Taloyoak
P.O. Box 8
Taloyoak, NU X0B 1B0
E-mail: hamoftal@qiniq.com

RE: NWB Licence No. 3BM-TAL0813

Dear Mr. Dixon;

Please find attached Licence No. 3BM-TAL0813 issued to the Hamlet of Taloyoak by the Nunavut Water Board (NWB) 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 are an integral part of this approval.

If the Licensee contemplates the renewal of this Licence, 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 must cease, or the Licensee will be in contravention of the *Nunavut Land Claims Agreement* (NLCA) and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSTRA). However, the expiry or cancellation of a licence does not relieve the holder from any obligations imposed by the licence. The NWB recommends that an application for the renewal of this Licence be filed at least three months prior to the Licence expiry date.

If the Licensee contemplates or requires an amendment to this licence, the NWB may decide, in the public interest, to hold a public hearing. 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 and timing may vary depending on the scope of the amendment, however a minimum of sixty (60) days is required from time of acceptance by the NWB. It is the responsibility of the Licensee to ensure that all application materials have been

received and acknowledged by the Manager of Licensing.

The NWB strongly recommends that the Licensee consult the comments received from interested persons on issues identified¹. The NWB notes that among the comments received were recommendations from the Department of Fisheries and Oceans on how the water intake facilities should be constructed and operated such that impact to fish habitat are minimized. The Hamlet should consider implementing the DFO's recommendations. This information is attached for your consideration.

Sincerely,

A handwritten signature in dark ink, appearing to read 'T. Kabloona', with a long horizontal flourish extending to the right.

Thomas Kabloona
Nunavut Water Board
Chair

TK/db

Enclosure: Licence No. 3BM-TAL0813
Comments: DOE, EC, INAC

cc: Kitikmeot Distribution List

¹ Government of Nunavut Department of the Environment, August 11, 2008; Department of Fisheries and Oceans Canada, June 9, 2008; Department of Indian and Northern Affairs, August 25, 2008; Environment Canada, August 29, 2008.



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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

DECISION

LICENCE NUMBER: 3BM-TAL0813

This is the decision of the Nunavut Water Board (NWB) with respect to an application for a new water Licence received on May 30, 2008, made by:

Hamlet of Taloyoak

to allow for the use of water for the Hamlet of Taloyoak, located within the Kitikmeot Region of Nunavut. With respect to this application, the NWB gave notice to the public on July 17, 2008 that the Hamlet had filed an application for a new water licence.

DECISION

After having been satisfied that the application was exempt from the requirement for screening by the Nunavut Impact Review Board in accordance with S. 12.3.2 of the *Nunavut Land Claims Agreement* (NLCA), the NWB decided that the application could proceed through the regulatory process. After reviewing the full submission of the Applicant and written comments expressed by interested parties, 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 *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA), decided to waive the requirement to hold a public hearing and determined that:

Licence Number 3BM-TAL0813 be issued subject to the terms and conditions contained therein. (Motion #: 2008-06-L20)

SIGNED this 11th day of December, 2008 at Gjoa Haven, NU.

Thomas Kabloona
Nunavut Water Board
Chair

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I. BACKGROUND

The Hamlet of Taloyoak has a population of approximately 800 people and is located at the coordinates of 69° 32' north latitude and 93° 31' west longitude on the Boothia Peninsula within the Kitikmeot region of Nunavut. Taloyoak is located within a zone of continuous permafrost and is located on sand and gravel raised beaches with flat and gently rolling terrain containing numerous lakes and ponds.

Existing water use and waste disposal facilities include a freshwater intake pump and reservoir, sewage lagoon, solid waste disposal and hazardous waste storage.

II. PROCEDURAL HISTORY

The Hamlet of Taloyoak is currently unlicensed. Inspections carried out by the INAC Inspector have made reference to the need for the Hamlet to prepare the appropriate documentation and submit an application to the NWB for approval of the water source and intake along with the waste disposal facilities (solid waste and sewage) associated with the Hamlet. Inspections dating back to 1997 and those carried out from 2002 through to the latest Inspection Report dated January 11, 2008 for an inspection carried out on September 11, 2008 all have made note of the lack of a licence and the need for the Hamlet to comply with the *Act*. Currently, a Licence [1BR-TAL0712] for the operation of a landfarm within the Hamlet, was applied for on December 16, 2004 and issued on December 10, 2007.

On May 30, 2008 an application for a water licence for Taloyoak's new water treatment plant was submitted along with support documents in the form of Pre-Design reports produced by Dillon Consulting. Additional Tender Documents were submitted on July 16, 2008 following requests made by the Technical Advisor assigned to the file. Following a preliminary review of the application, the NWB concluded that it met the requirements of section 48(1) of the *Nunavut Waters and Surface Rights Tribunal Act* (the *Act*) and advised the Applicant and distribution list accordingly on July 17, 2008.

Information contained in the July 17, 2008 submission and distributed for review included the following:

- Application cover letter, May 28, 2008;
- NWB Licence Application form;
- Pre-Design Report, Water System Upgrades, Taloyoak; Dillon Consulting, November 13, 2007;
- Alternative Power Generation Report; Dillon Consulting, November 8, 2007;
- Taloyoak Water System Upgrade Planning Study; Dillon Consulting, April 2005;
- Taloyoak Water System Site Investigation and Remedial Action Plan; Dillon Consulting, December 13, 2004; and
- Submitted tender drawings, June 28, 2008.

The scope of the licence application applied only to the construction and operation of the water treatment plant. No other information was presented to the NWB. An amendment application should be made for the operation of both the landfill and the sewage lagoon, which are currently in operation, however unlicensed.

On July 17, 2008, the Nunavut Water Board publicly posted notice of this application, in accordance with Section 55.1 of the *Act* and Article 13 of the *Nunavut Land Claims Agreement (NLCA)*. This assessment process included the referral of the application to a variety of Federal, Territorial and local organizations for their review and comment.

As no public concern was expressed, the NWB waived the requirement to hold a public hearing and proceeded with the application process.

The NWB received comments on the application from the Department of Fisheries and Oceans Canada (DFO) on June 9, 2008, the Government of Nunavut Department of Environment (GN-DoE) on August 11, 2008, the Department of Indian and Northern Affairs Canada (INAC) on August 25, 2008 and from Environment Canada (EC) on August 29, 2008.

Based upon the results of the detailed assessment, including consideration of any potential accidents, malfunctions, or impacts to water that the overall project might have in the area, the Board approved the application and has issued Licence 3BM-TAL0813.

III. ISSUES

Term of Licence

In accordance with Section 45 of the *Act*, the NWB may issue a licence for a term not exceeding twenty-five (25) years. In determining an appropriate term of a water licence, the Board considers a number of factors, including, but not limited to, the results of INAC site inspections and the compliance record of the Applicant. In review of the Inspection Reports prepared by INAC, the NWB has noted that there were several issues with the existing water source and treatment system that precipitated the need for upgrades. These were as follows:

- i. The close proximity of the existing water source to the community resulting in the potential contamination of the water source;
- ii. Run-off from the community has been observed to enter into the water source;
- iii. The existing water treatment plant is outdated and requires upgrades to its electrical and mechanical components;
- iv. The water treatment plant could no longer meet the needs of the increasing population;

Having considered INAC's inspection comments, as well as the history of the applicant, the NWB has decided on a five (5) year term for the Licence. This term is longer than the two (2) years the applicant originally requested and is principally due to the fact that the Licence

currently only covers the water taking operation and not the wastewater treatment and landfill operations. If a two (2) year term were awarded then the Licencee would not have sufficient time to seek amendments to this Licence to allow for wastewater and landfilling activities. The Licencee is strongly encouraged to seek amendments to this Licence as soon as possible in order to have its wastewater treatment and landfilling activities permitted under a Water Board Licence. The NWB has placed a requirement for the Licensee to submit a 'Plan for Compliance' that will detail how the waste management facilities will be brought under the Licence. This requirement is found under Part B, Item 10 of the Licence.

Annual Report

The NWB has imposed on the Licensee, the requirement to produce an Annual Report. These Reports are for the purpose of ensuring that the NWB has an accurate annual update of municipal activities during a calendar year. This information is maintained on the public registry and is available to interested parties upon request. A "*Standardized Form for Annual Reporting*" is to be used by the Licensee and is available from the NWB file transfer protocol (FTP) site under the Public Registry link at the NWB Website. Additional information may be submitted as required.

(<ftp://nunavutwaterboard.org/ADMINISTRATION/Standardized%20Forms/>).

Operational Manuals and Plans

Appropriate Manuals and Plans need to be developed to the satisfaction of the NWB for the operation and maintenance of the facilities, the protection of the environment with regard to potential spills through day-to-day operations, and abandonment and restoration of the sites.

It is noted that the Licensee has not submitted an Operations and Maintenance (O&M) Manual as part of the application process and as such, a requirement to provide a plan is included in the conditions of the Licence. The O&M Manual is to include the following in accordance with Part F, Item 1 of the Licence:

- i. *Water Storage and Distribution Facility Operation and Maintenance (O&M) Manual;*
- ii. *Spill Contingency Plan; and*
- iii. *Monitoring Program Quality Assurance/Quality Control Plan.*

The purpose of the O&M Manual noted above is to assist Hamlet staff in carrying out the procedures relating to their water access and distribution facilities. The O&M Manual should demonstrate to the NWB that the Hamlet is capable of operating and maintaining the infrastructure related to water use in such a way that it meets the requirements of the Licence. The O&M Manual should be based, at a minimum, on the various NWB-approved guidelines and other regulatory guidelines as deemed appropriate.

Water Use

The Hamlet of Taloyoak currently obtains its water from “Water Lake” for potable use. This source is not currently licensed by the Board. The proposed new source of potable water for the Hamlet is Canso Lake, located to the northeast. No concerns were raised by the parties in their written submissions as to the amount of water required by the Hamlet, the manner in which it is obtained, the location of the water source or the manner in which this water will be used. The Department of Fisheries and Oceans Canada (DFO) however, did make several recommendations with respect to the construction window, including a timeframe when construction of the new water taking infrastructure should take place and mitigation procedures that should be implemented during construction. Provided that the additional mitigation measures described within DFO’s submission, are incorporated into the plans, DFO has concluded that the proposal is not likely to result in impacts to fish and fish habitat, and that formal approval from DFO is not needed to proceed.

Sewage

The application as received did not provide information on the activities related to sewage collection, treatment, containment and disposal. Therefore an amendment to this Licence will be required in order to permit these activities.

Solid Waste

As with the sewage disposal, the application as received did not provide information on the activities related to solid waste collection, containment, disposal or storage (hazardous wastes). Therefore, an amendment to this Licence will be required in order to permit these activities.

Abandonment and Restoration

To ensure that all existing end-of-life facilities are reclaimed in an appropriate manner, the NWB requires Licensees to submit an *Abandonment and Restoration Plan*. The NWB notes that the existing Water Supply Facilities are being replaced and as such the Board requires the Licensee submit for approval within ninety (90) days of issuance of this Licence an *Abandonment and Restoration Plan* for this facility. In addition to the above Plan the NWB also requires the Licensee to submit at least six (6) months prior to final closure of any licensed facility, or upon submission of the final design drawings for the construction of new facilities to replace existing ones, an *Abandonment and Restoration Plan* for the licensed facilities. The requirements for the Plans are outlined in Part G, Item 1 and 2 of this Licence. The Licensee should also be aware that any on-going restoration work is to be reported in the annual report.

IV. LICENCE 3BM-TAL0813

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

HAMLET OF TALOYOAK

(Licensee)
of
P.O. BOX 8, TALOYOAK, NUNAVUT X0B 1B0

(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:

3BM-TAL0813
Licence Number _____

NUNAVUT 07
Water Management Area

TALOYOAK, KITIKMEOT REGION, NUNAVUT
Location **(Latitude 69°32'N and Longitude 93°31'W)**

WATER TAKING AND WATER USE
Purpose: _____

MUNICIPAL UNDERTAKINGS
Description _____

TWO HUNDRED AND FORTY EIGHT (248)
CUBIC METRES PER DAY
Quantity of Water Not to Exceed _____

DECEMBER 11, 2008
Date of Licence _____

SEPTEMBER 30, 2013
Expiry Date of Licence _____

Dated this 11th of December, 2008 at Gjoa Haven, NU.



Thomas Kabloona
Nunavut Water Board
Chair

PART A: SCOPE AND DEFINITIONS

1. Scope

This Licence allows for the use of water for an undertaking classified as municipal as per Schedule II of the Regulations at the Hamlet of Taloyoak, Kitikmeot Region, Nunavut (69° 32' N; 93° 31' W).

- a. This Licence is issued subject to the conditions contained herein with respect to the taking of water. 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 taking of water, this Licence shall be deemed, upon promulgation of such Regulations, to be subject to such requirements; and.
- b. 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: **3BM-TAL0813**

“**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;

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

“**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;

“**Average Concentration**” means the arithmetic mean of the last four consecutive analytical results for composite or grab samples collected from the monitoring stations identified in Part H;

“**Board**” means the Nunavut Water Board established under the *Nunavut Land Claims Agreement*;

“**Composite Sample**” means a water or wastewater sample made up of four (4) samples taken at regular periods over a 24 hour period;

“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;

“Freeboard” means the vertical distance between water line and the designed maximum operating height on the crest of a dam or dyke’s upstream slope;

“Geotechnical Engineer” means a professional engineer registered with the Association of Professional Engineers, Geologist and Geophysicists of Nunavut and whose principal field of specialization with the engineering properties of earth materials in dealing with man-made structures and earthworks that will be built on a site. These can include shallow and deep foundations, retaining walls, dams, and embankments;

“Grab Sample” means a single water or wastewater sample taken at a time and place representative of the total discharge;

“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 85 (1) of the Act;

“Licensee” means the holder of this Licence;

“Modification” means an alteration to a physical work that introduces new structure or eliminates an existing structure and does not alter the purpose or function of the work, but does not include an expansion, and changes to the operating system that are consistent with the terms of this Licence and do not require amendment;

“Monitoring Program” means a monitoring program established to collect data on surface water and groundwater quality to assess impacts to the freshwater aquatic environment of an appurtenant undertaking;

“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;

“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;

“Water Supply Facilities” comprises the area and associated intake infrastructure at Canso Lake, as described in the Application for Water Licence filed by the Applicant on May 30, 2008.

3. Enforcement

- a. 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*;
- b. All inspection and enforcement services regarding this Licence will be provided by Inspectors appointed under the *Act*;
- c. For the purpose of enforcing this Licence and with respect to the use of water 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; and
- d. The Licensee shall, in relation to any application to renew or amend the Licence, provide an updated Plan for Compliance as submitted pursuant to Part B, Item 10. The updated Plan for Compliance must be submitted at the time of Application, in order for the Application to be deemed complete.

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. tabular summaries of all data generated under the “Monitoring Program”;
 - b. the monthly and annual quantities in cubic metres of fresh water obtained at the Water Supply Facilities;
 - c. a summary of modifications and/or major maintenance work carried out on the Water Supply Facilities including all associated structures and 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. Any updates or revisions for manuals and plans (i.e., *Operations and Maintenance Manual*) as required by changes in operation and/or technology;
 - f. a summary of any studies or reports requested by the Board that relate to water use or restoration, and a brief description of any future studies planned; and

- g. any other details on water use requested by the Board by November 1st of the year being reported.
2. The Licensee shall comply with the “Monitoring Program” described in this Licence, and any amendments to the “Monitoring Program” as may be made from time to time, pursuant to the conditions of this Licence.
 3. The “Monitoring Program” and compliance dates specified in the Licence may be modified at the discretion of the Board.
 4. 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.
 5. The Licensee shall, within ninety (90) days after the first visit by the Inspector following issuance of this Licence, post the necessary signs to identify the stations of the “Monitoring Program.” All signage postings shall be in the Official Languages of Nunavut.
 6. The Licensee shall immediately report to the 24-Hour Spill Report Line (867-920-8130) any spills, which are reported to, or observed by the Licensee, within the boundaries of the Water Supply Plant and source water.
 7. The Licensee shall ensure a copy of this Licence is maintained at the Municipal Office at all times. Any communication with respect to this Licence shall be made in writing to the attention of:

Manager of Licensing:

Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Telephone: (867) 360-6338
Fax: (867) 360-6369
Email: licensing@nunavutwaterboard.org

Inspector Contact:

Water Resources Officer
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0
Telephone: (867) 975-4295
Fax: (867) 979-6445

Analyst Contact:

Taiga Laboratories
Department of Indian and Northern Affairs
4601 – 52 Avenue, P.O. Box 1500
Yellowknife, NT X1A 2R3
Telephone: (867) 669-2781
Fax: (867) 669-2718

8. 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.
9. The Licensee shall ensure that all document(s) and correspondence submitted by the Licensee to the Board are received and acknowledged by the Manager of Licensing.
10. The Licensee shall submit to the Board for approval, within ninety (90) days of Licence issuance or upon the filing of any application in relation to the Licence within that time, a Plan for Compliance that clearly demonstrates the measures the Licensee will undertake, including an implementation schedule, to achieve full compliance with the conditions of this Licence, including the approval of the waste water and solid waste disposal facilities.
11. The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board in writing.
12. Every Plan to be carried out pursuant to the terms and conditions of this Licence shall become a part of this Licence, and any additional terms and condition imposed upon approval of a Plan by the Board become part of this Licence. All terms and conditions of the Licence should be contemplated in the development of a Plan where appropriate.
13. This Licence is not assignable except as provided in Section 44 of the Act.

PART C: CONDITIONS APPLYING TO WATER USE

1. The Licensee shall obtain all fresh water from Canso Lake using the Water Supply Facilities or as otherwise approved by the Board in writing.
2. The daily quantity of water used for all purposes shall not exceed two hundred and forty eight (248) cubic metres.
3. The Licensee shall equip all water intake hoses with a screen of an appropriate mesh size to ensure that fish are not entrained and shall withdraw water at a rate such that fish do not become impinged on the screen.

4. The Licensee shall not remove any material from below the ordinary high water mark of any water body unless otherwise approved by the Board in writing.
5. The Licensee shall not cause erosion to the banks of any body of water and shall provide necessary controls to prevent such erosion.
6. 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 TO WASTE DISPOSAL

1. This Licence does not allow for any activities related to sewage disposal, treatment and discharge, solid waste collection, containment or disposal. An application for an amendment to this licence will be required to permit these activities.

PART E: CONDITIONS APPLYING TO MODIFICATION AND CONSTRUCTION

1. The Licensee shall submit to the Board for written approval, construction design drawings stamped by a qualified engineer registered in Nunavut, prior to the construction of any dams, dykes or structures intended to contain, withhold, divert or retain water.
2. The Licensee may, without written approval from the Board, carry out modifications to the Water Supply 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. these modifications do not place the Licensee in contravention of 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.
3. Modifications for which all of the conditions referred to in Part E, Item 2, have not been met may be carried out only with written approval from the Board. 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.

4. 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
5. The Licensee shall implement sediment and erosion control measures prior to and during all activities carried out under this Part to prevent the release of sediment and minimize erosion.

PART F: CONDITIONS APPLYING TO OPERATION AND MAINTENANCE

1. The Licensee shall submit to the Board for approval, within ninety (90) days of issuance of the Licence, an Operations and Maintenance Manual prepared where appropriate, in accordance with the “*Guidelines for the Preparation of an Operation and Maintenance Manual for Sewage and Solid Waste Disposal Facilities in the Northwest Territories; 1996*”. The Manual shall take into consideration the comments received during the application review process and shall contain a Spill Contingency Plan in the format set out by the *Consolidation of Spill Contingency Planning and Reporting Regulations R-068-9*. The Spill Contingency Plan shall be appended to the Operation and Maintenance Manual.
2. The Licensee shall review the O&M Manual referred to in Part F, Item 1 as required by changes in operation and/or technology and modify accordingly. Revisions are to be submitted in the form of an Addendum to be included with the Annual Report.
3. The Licensee shall perform more frequent inspections of the engineered facilities at the request of an Inspector.
4. If, during the period of this Licence, a fuel or chemical spill occurs, the Licensee shall:
 - a. report the incident immediately via the 24-Hour Spill Reporting Line at (867) 920-8130 and to the Inspector at (867) 975-4295; and
 - b. submit to the Inspector, a detailed report on each occurrence, not later than thirty (30) days after initially reporting the event, that provides the necessary information on the location (including the GPS coordinates), initial response action, remediation/clean-up, status of response (ongoing, complete), proposed disposal options for dealing with contaminated materials and preventative measures to be implemented.
 - c. include all relevant data about the spill location, quantity, cause, clean-up efforts and future prevention in the annual report to the Board.

PART G: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION

1. The Licensee shall submit for Board for approval within ninety (90) days of issuance of this Licence an *Abandonment and Restoration Plan* for the existing water intake facility that is being decommissioned.
2. The Licensee shall submit to the Board for approval an *Abandonment and Restoration Plan* at least six (6) months prior to abandoning of any facilities or upon submission of the final design drawings for the construction of new facilities to replace existing ones. Where applicable, the Plan shall include information on the following:
 - a. water intake facilities;
 - b. the water treatment facilities;
 - c. petroleum and chemical storage areas;
 - d. an implementation schedule;
 - e. maps delineating all disturbed areas, and site facilities;
 - f. consideration of altered drainage patterns; and
 - g. future area use.

PART H: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licensee shall measure and record, in cubic metres, the monthly and annual quantities of water pumped at the Water Supply Facilities, for all purposes.
2. The Licensee shall include all of the data and information required by the “Monitoring Program” in the Licensee's Annual Report, as required *per* Part B, Item 1, or as requested by an Inspector.
3. Modifications to the Monitoring Program may be made only upon written approval from the NWB.
4. All data concerning spills that occur within the boundaries of the Water Supply Plant and source shall be detailed in the annual report to the Board.