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שב ΔL כת ה' החבר SOARD NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYINGI

# DECISION

LICENCE NUMBER: NWB3YRB0308

This is the decision of the Nunavut Water Board (NWB) with respect to an application for a Licence dated December 5, 2001 made by:

Department of Community Government and Transportation, Government of Nunavut

to allow for the use of water and disposal of waste at the Airport Facility located at the Hamlet at Resolute Bay, Nunavut.

With respect to this application, the NWB gave notice to the public that the Hamlet had filed an application for a 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 Claim Agreement* (NLCA), the NWB decided that the application could go through the regulatory process. After reviewing the 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 *Nunavut Land Claims Agreement* and of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA), decided to waive the requirement to hold a public hearing and furthermore to delegate its authority to approve the application to the Chief Administrative Officer pursuant to S. 49(a) of the NWNSRTA and determined that:

Licence Number NWB3YRB0308 be issued subject to the terms and conditions contained therein. (Motion #: 2003-11)

SIGNED this 24th	day of November, 2003 at Gjoa Haven, NU.
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Philippe di Pizzo 0	
Chief Administrative Offic	er

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#### I. BACKGROUND

Resolute Bay Airport is located at 74 ° 42'N latitude and 94 ° 50'W longitude, on the southern shore of Cornwallis Island. It is approximately 900 km north of the Arctic Circle and 1,561-air km northeast of Yellowknife. Cornwallis Island has a general slope toward the coast, with high bluffs up to 260 m in the southeast and lower elevations toward the north end of the Island. Aggregate materials above the bedrock, composed primarily of Palaeozoic limestones and shales, consist of gravel-sized frost-shattered material, cobbles averaging 20 cm in diameter and fines which are mainly non-plastic. The depth of the permafrost active layer varies between 0.5 m and 1 m. The ice constant varies between 10% and 25% by volume. Vegetation is limited to lichens, mosses and grasses. Grasses tend to grow in wetter areas near lakes and streams. Resolute receives an average of 5.3 cm of rainfall and 84 cm of snowfall annually. Mean annual precipitation totals 13 cm. July mean high and low temperatures are 6.8° C and 1.4° C. January mean high and low temperatures range from -28.4 °C to -35.7 °C. Winds are generally from the north northwest and annually average 21.5 km/h.

#### II. PROCEDURAL HISTORY

On December 05, 2001, an application for a water licence was filed by Department of Community Government and Transportation, Government of Nunavut for water use and waste deposition at the Resolute Bay Airport, which was previously un-licensed by the NWB. This application was initially delayed by several factors, including information insufficiencies and procedural clarification requirements. Upon completion of the initial application process, the Nunavut Water Board publicly posted notice of this application, in accordance with the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* S.55.1 and Article 13 of the *Nunavut Land Claims Agreement*, on March 10, 2003. An assessment of the Department's request for a water licence for water use and waste disposal activities at the Resolute Bay Airport was then undertaken, so that the Board could make a fully informed decision on the merits of application. 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 for the application.

Based upon the results of the detailed assessment, which was completed, including consideration of any potential accidents, malfunctions, or cumulative environmental effects that the overall project might have in the area, the Board delegated to the Chief Administrative Officer authority to approve the application was pursuant to S. 13.7.5 of the *Agreement*.

#### III. ISSUES

Term of the Licence

In accordance with the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* S. 45, the NWB may issue a licence for a term not exceeding twenty-five years. In determining an appropriate term of a water licence, the Board considers a number of factors, including the results of the annual Department of Indian Affairs and Northern Development (DIAND) site inspection and the compliance record of the Applicant. Specifically, the July 23, 2001 DIAND Inspection Report indicated:

- 1. Insufficient capacity in the treatment lagoon capacity, as indicated by the evidence of overflow from the lagoon cells, exists;
- Concentrations of suspended solids contained in the effluent from the Sewage Disposal Facility exceeded the levels permitted in Licence N4L3-1561, which was issued by the NWT Water Board;
- A sample of effluent from the Sewage Disposal Facility taken during the July 23, 2001 inspection was determined to be toxic, as indicated by a MicroTox toxicity assessment procedure; and
- 4. Concentrations of ammonia and phenols in the effluent from the Sewage Disposal Facility exceeded the levels recommended in the Canadian Guidelines for the Protection of Freshwater Aquatic Life.

The NWB has imposed 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 any interested parties upon request. Annual Reports have, at present, not been provided by the Licensee for 2000, 2001 and 2002. The Licensee's attention is drawn to this requirement, and to the attached standard form for completing the Annual Report (see Attachment I).

The NWB has also imposed on the Licensee the requirement to produce an Operations and Maintenance Manual for their sewage and solid waste operations. The purpose of an Operation and Maintenance Manual is to assist Hamlet staff in the proper operation and maintenance of their waste disposal facilities. The manual should demonstrate to the Nunavut Water Board that the Hamlet is capable of operating and maintaining all waste disposal sites adequately. The Plan should be completed using the *Guidelines for the Preparation of an Operations and Maintenance Manual for Sewage and Solid Waste Disposal Facilities in the Northwest Territories* (Duong and Kent, 1996; see Attachment II).

In review of the application, DIAND has recommended a licence term of five (5) years. The NWB concurs that a term of five (5) years is appropriate, and will allow enough time for the Hamlet to establish a consistent compliance record with the terms and conditions of its licence. It will also ensure that sufficient time is given to permit the Licensee to develop, submit, and implement the plans required under its licence to the satisfaction of the NWB.

#### Water Use

The Resolute Bay Airport Facility currently receives water from Strip Lake, and receives a chlorine treatment prior to consumption. Minimum water consumption has been indicated by the Licensee to be required at the Airport Facility, and accordingly a total consumption of 600m<sup>3</sup> per annum has been permitted.

No serious concerns were raised by the parties in their written submissions as to the amount of water required by the Applicant or the manner in which this water will be used. DIAND has provided specific recommendations regarding volume usage limits, as well as recommending that the Applicant to be required to maintain a monitoring station at the water intake area YRB-1 in order to monitor the volume of water used. The Department of Fisheries and Oceans provided specific recommendations relative to the intake screens at the water treatment facility, so as to prevent the entrainment of fish by the facility. The Board concurs with these recommendations, and has set the terms and conditions in the water licence, which govern, water usage accordingly.

# Deposit of Waste

#### Sewage

The Resolute Bay Airport Facility utilizes a Sewage Disposal Facility which is located in an area adjacent to the Airport Terminal. The effluent discharged from the flow-through treatment lagoon proceeds downstream through an undefined wetland where it receives additional treatment prior to discharge to the marine environment. Specific comments relevant to sewage disposal operations in the Hamlet were provided by DIAND, DFO and Environment Canada. DIAND and Environment Canada recommended that the Hamlet develop appropriate Operations and Maintenance and Spill Contingency Plans. Environment Canada additionally recommended the development for an Abandonment and Restoration Plan for the Transport Canada solid waste disposal facility on the Airport Facility.

Additionally, DIAND provided recommendations concerning effluent discharge criteria, which are consistent with the *Guidelines for the Discharge of Treated Municipal Wastewater in the Northwest Territories* (Northwest Territories Water Board; 1992), as well as specific recommendations concerning the Monitoring Program. This Program is established to collect data on water quality to assess the effectiveness of treatment for protection of public health and to assess potential impacts to the environment associated with the municipal facilities. The Board concurs with these recommendations, which are reflected in the terms and conditions of the Water Licence. The Board also draws the attention of the Licensee to their requirements to implement the Quality Assurance/Quality Control (QA/QC) Plan to be provided by the NWB. The purpose of the QA/QC Plan is to ensure that samples taken in the field as part of the Monitoring Program will maintain a high quality, so as to accurately represent the physical and chemical nature of the samples being taken. It should also be noted that while minimum sampling requirements have been imposed, additional sampling may be requested by an Inspector.

#### LICENCE NWB3YRB0308

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

# DEPARMENT OF COMMUNITY GOVERNMENT AND TRANSPORTATION, GOVERNMENT OF NUNAVUT

	(Licensee)	
of		UTE BAY, NUNAVUT, X0A 0V0
	(Mailing Address)	
	called the Licensee, the rig	ght to alter, divert or otherwise use water for a period subject to ithin this licence:
Licence Nur	mber	NWB3YRB0308
Water Mana	agement Area	NUNAVUT 04
Location		RESOLUTE BAY, NUNAVUT
Purpose		WATER USE AND WASTE DISPOSAL
		MUNICIPAL UNDERTAKINGS
Quantity of	Water Not to be Exceeded	600 CUBIC METRES ANNUALLY
Date of Lice	ence	NOVEMBER 30, 2003
Expiry Date	-	NOVEMBER 30, 2008
Dated this Philippe di	24th Of November 200	

# PART A: SCOPE AND DEFINITIONS

# 1. Scope

- a. This Licence allows for the use of water and the disposal of waste for municipal undertakings at the Resolute Bay Airport Facility, Hamlet of Resolute Bay, Nunavut (74°43' N, 94°58" W);
- 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 *Nunavut Waters and Nunavut Surface Rights Tribunal 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 subject to such requirements; 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: NWB3YRB0308

"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 contained in composite or grab samples collected from the Waste Facility's final discharge point;

- "Average Concentration For Faecal Coliforms" means the geometric mean of the last four consecutive analytical results for faecal coliforms contained in composite or grab samples collected from the Waste Facility's final discharge point;
- "Board" means the Nunavut Water Board established under the Nunavut Land Claims Agreement;
- "Chief Administrative Officer" means the Executive Director of the Nunavut Water Board;
- "<u>Effluent</u>" means treated or untreated liquid waste material that is discharged into the environment from a structure such as a settling pond or a treatment plant;
- <u>"Final Discharge Point"</u> means an identifiable discharge point of a Waste Disposal Facility beyond which the Licensee no longer exercises care and control over the quality of the Effluent;
- "Freeboard" means the vertical distance between water line and crest on a dam or dyke's upstream slope;
- "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;
- "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;
- "Sewage" means all toilet wastes and greywater;
- "Sewage Disposal Facilities" comprises the area and engineered lagoon and decant structures designed to contain sewage and commercial waste water as described in the Application for Water Licence filed by the Applicant on December 5, 2001;

- "Monitoring Program" means a monitoring program established to collect data on surface water and groundwater quality to assess impacts to the environment of an appurtenant undertaking;
- "Toilet Wastes" means all human excreta and associated products, but does not include greywater;
- "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 Strip Lake, as described in the Application for Water Licence filed by the Applicant on December 5, 2001.

# 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:
  - i. tabular summaries of all data generated under the Monitoring Program;
  - ii. the monthly and annual quantities in cubic metres of fresh water obtained from all sources;
  - iii. the monthly and annual quantities in cubic metres of each and all waste discharged;
  - a summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;
  - a list of unauthorized discharges and summary of follow-up action taken;
  - vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
  - vii. a summary of any studies, reports and plans (e.g., Operation and Maintenance, Abandonment and Restoration, QA/QC) requested by the Board that relate to waste

disposal, water use or reclamation, and a brief description of any future studies planned;

- viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
- 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 to the satisfaction of an Inspector.
- 5. The Licensee shall, within ninety (90) days after the first visit of the Inspector, post the necessary signs, where possible, to identify the stations of the "Monitoring Program." All signage postings shall be in the Official Languages of Nunavut, and shall be located and maintained to the satisfaction of an Inspector.
- 6. 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.
- 7. The Licensee shall ensure a copy of this Licence is maintained at the municipal office and at the site of operation at all times. Any communication with respect to this Licence shall be made in writing to the attention of:

#### (i) Chief Administrative Officer:

Executive Director Nunavut Water Board P.O. Box 119 Gjoa Haven, NU X0B 1J0 Telephone: (867) 360-6338

Fax: (867) 360-6369

# (ii) Inspector Contact:

Water Resources Officer Nunavut District, Nunavut Region P.O. Box 100 Igaluit, NU X0A 0H0

Telephone: (867) 975-4298 Fax: (867) 979-6445

#### (iii) 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.

# PART C: CONDITIONS APPLYING TO WATER USE

- The Licensee shall obtain all fresh water from Strip Lake using the Water Supply Facilities or as otherwise approved by the Board.
- 2. The annual quantity of water used for all purposes shall not exceed 600 cubic metres.
- 3. The Licensee shall maintain the Water Supply Facilities to the satisfaction of the Inspector.
- 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.

# PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

 The Licensee shall direct all Sewage to the Sewage Disposal Facilities or as otherwise approved by the Board. 2. All Effluent discharged from the Sewage Disposal Facilities at Monitoring Station Number YRB-3 shall meet the following effluent quality standards:

Parameter	Maximum Average Concentration
Faecal Coliforms	1 x 10 <sup>6</sup> CFU/dl
BOD <sub>5</sub>	120 mg/L
Total Suspended Solids	180 mg/L
Oil and grease	No visible sheen
pH	between 6 and 9

- The Licensee shall before March 31, 2004 submit to the Board for approval a Plan to address
  the operational issues at the Sewage Disposal Facility, which were identified in the July 23,
  2001 DIAND Inspection Report
- 4. Licensee shall implement the Plan specified in Part D, Item 3 as and when approved by the Board.
- 5. The Licensee shall revise the Plan referred to in Part D, Item 3, if not acceptable to the Board. The revised Plan shall be submitted to the Board for approval within thirty (30) days of notification of the Board decision.
- 6. A Freeboard limit of 1.0 metre, or as recommended by a qualified geotechnical engineer and as approved by the Board, shall be maintained at all dykes and earthfill structures associated with the Sewage Disposal Facilities.
- 7. The Licensee shall advise an Inspector at least ten (10) days prior to initiating any decant of the sewage lagoon.
- The Sewage Disposal Facilities shall be maintained to the satisfaction of an Inspector, and operated in such a manner as to prevent erosion and structural failure.
- 9. The Licensee shall submit to the Board for review within six (6) months of the issuance of this license a report identifying each Final Discharge Point. The report shall at least include:
  - a. Plans, specifications and a general description of each Final Discharge Point together with its specific geo-referenced location;
  - b. A description of how each Final Discharge Point is designed and maintained.

- 10. If, during the term of this Licence, additional Final Discharge Points are identified, the Licensee shall submit the information as required by Part D, Item 8 for each new Final Discharge Point within 30 days after the discharge point is identified and at least 60 days prior to depositing Effluent from the new Final Discharge Point and/or proposed changes are made to a Final Discharge Point.
- 11. The Licensee shall direct all solid waste to an approved Solid Waste Disposal Facility or as otherwise approved by the Board

# PART E: CONDITIONS APPLYING TO MODIFICATION AND CONSTRUCTION

- The Licensee shall submit to the Board for approval 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 or wastes.
- 2. 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:
  - the Licensee has notified the Board in writing of such proposed modifications at least sixty (60) days prior to beginning the modifications;
  - ii. said modifications do not place the Licensee in contravention of the Licence or the *Act*;
  - iii. 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
  - iv. the Board has not rejected the proposed modifications.
- 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.
- 4. The Licensee shall provide as built plans/drawings of the modifications referred to in this Licence within ninety (90) days of completion of the modifications.

# PART F: CONDITIONS APPLYING TO OPERATION AND MAINTENANCE

- The Licensee shall within six months of the issuance of this license submit to the Board for approval a Plan for the Operation and Maintenance of the Sewage Disposal Facilities in accordance with "Guidelines for Preparing an Operation and Maintenance Manual for Sewage and Solid Waste Disposal Facilities" (October 1996).
- 2. The Licensee shall implement the Plan specified in Part F, Item 1 as and when approved by the Board.
- The Licensee shall revise the Plan referred to in Part F, Item 1, if not acceptable to the Board.
   The revised Plan shall be submitted to the Board for approval within thirty (30) days of notification of the Board decision.
- If, during the period of this Licence, an unauthorized discharge of waste occurs, or if such a
  discharge is foreseeable, the Licensee shall:
  - employ the appropriate contingency plan as provided for in the Operation and Maintenance Plan;
  - ii. report the incident immediately via the 24-Hour Spill Reporting Line at (867) 920-8130 and to an Inspector; to whom a detailed report on each occurrence shall be filed not later than thirty (30) days after initially reporting the event.
- 5. In the absence of a contingency plan contained within an approved Operation and Maintenance Plan, and an unauthorized discharge of waste occur, or if such a discharge is foreseeable, the Licensee shall:
  - take whatever steps are immediately practicable to protect human life, health and the environment;
  - without delay seek guidance from the Department of Sustainable Development with regards to mitigation and remedial actions required to address the discharge; and
  - iii. report the incident immediately via the 24-Hour Spill Reporting Line at (867) 920-8130 and to an Inspector; to whom a detailed report on each occurrence shall be filed not later than thirty (30) days after initially reporting the event.

# PART G: 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 facilities and the construction of new facilities to

replace existing ones. This Plan shall include the abandonment and restoration of the Transport Canada landfill located on the land occupied by the Resolute Bay Airport Facility. The Plan shall include, but not be limited to where applicable:

- water intake facilities;
- ii. the water treatment and waste disposal sites and facilities;
- iii. petroleum and chemical storage areas;
- iv. any site affected by waste spills;
- v. leachate prevention;
- vi. an implementation schedule;
- vii. maps delineating all disturbed areas, and site facilities;
- viii. consideration of altered drainage patterns;
- ix. type and source of cover materials;
- x. future area use;
- xi. hazardous wastes; and
- xii. a proposal identifying measures by which restoration costs will be financed by the Licensee upon abandonment.
- The Licensee shall implement the plan specified in Part G, Item 1 as and when approved by the Board.
- 3. The Licensee shall revise the Plan referred to in Part G, Item 1 if not approved. The revised Plan shall be submitted to the Board for approval within thirty (30) days of receiving notification of the Board's decision.
- The Licensee shall complete the restoration work within the time schedule specified in the Plan, or as subsequently revised and approved by the Board.

#### PART H: CONDITIONS APPLYING TO THE MONITORING PROGRAM

The Licensee shall maintain Surveillance Stations at the following locations:

Station Number	Description
YRB-1	Raw Water supply prior to treatment
YRB-2	Raw Sewage at truck offload point
YRB-3	Effluent discharge from the Final Discharge Point of the Sewage Disposal Facilities

2. The Licensee shall sample monthly at Monitoring Station YRB-3 during the months of May to August, inclusive and analyze samples for the following parameters:

BOD Faecal Coliforms
pH Conductivity

Total Suspended Solids Ammonia Nitrogen
Nitrate-Nitrite Oil and Grease (visual)

Total Phenols Sulphate
Sodium Potassium
Magnesium Calcium

Total Arsenic Total Cadmium
Total Copper Total Chromium
Total Iron Total Lead
Total Mercury Total Nickel

Total Zinc

- The Licensee shall conform to the Quality Assurance/Quality Control (QA/QC) Plan, which shall be provided to the Licensee by the NWB within 6 months of the issuance of this licence.
- 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 the Board.
- 5. All analyses shall be performed in a Canadian Association of Environmental Analytical Laboratories (CAEAL) Certified Laboratory, or as otherwise approved by an Analyst.
- The Licensee shall measure and record in cubic metres the monthly and annual quantities of water pumped from Monitoring Program Station Number YRB-1 for all purposes.
- The Licensee shall measure and record in cubic metres the monthly and annual quantities of Sewage discharged at Monitoring Program Station Number YRB-2 for all purposes.
- 8. The Licensee shall measure and record the annual quantities of sewage solids removed from

the Sewage Disposal Facility;

- 9. 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.
- Modifications to the Monitoring Program may be made only upon written approval of the Chief Administrative Officer.