



NUNAVUT WATER BOARD

WATER LICENCE NO: 3AM-GRA1624



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Licence No. 3AM-GRA1624

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

**GOVERNMENT OF NUNAVUT, DEPARTMENT OF
COMMUNITY AND GOVERNMENT SERVICES**

(Licensee)

**P.O. BAG 002, GOVERNMENT OF NUNAVUT
RANKIN INLET, NUNAVUT X0C 0G0**

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use Water or deposit waste for a period subject to restrictions and conditions contained within this Licence:

Licence Number/Type: **3AM-GRA1624 / TYPE "A"**

Water Management Area: **WILSON WATERSHED (13)**

Location: **RANKIN INLET, KIVALLIQ REGION, NUNAVUT
LATITUDE 62°49'24" N, LONGITUDE 92°06'53" W**

Classification: **MUNICIPAL UNDERTAKING**

Purpose: **WATER USE**

Quantity of Water not to be Exceeded: **850,000 CUBIC METRES ANNUALLY FROM
NIPISSAR LAKE; AND TRANSFER OF 3,485 CUBIC
METRES PER DAY FROM CHAR RIVER TO
NIPISSAR LAKE**

Date Licence Issuance: **MAY 2, 2016**

Expiry of Licence: **MAY 1, 2024**

This Licence issued (**Motion Number 2015-29-P10-08**) and recorded at Gjoa Haven, Nunavut, includes and is subject to the annexed conditions.

Thomas Kabloona
Nunavut Water Board, Chair

APPROVED
BY: Minister of Indigenous and
Northern Affairs Canada

**APPROVAL
DATE:**



PART A: SCOPE, DEFINITIONS AND ENFORCEMENT

1. SCOPE

- a. This Licence allows for the use of Water and operation of the Water Supply Facilities, Utilidor and Sewage Treatment Facility by the Government of Nunavut, Department of Community and Government Services for a municipal undertaking at the Hamlet of Rankin Inlet, Nunavut (Latitude 62°49'24"N and Longitude 92°06'53"W);
- b. This Licence is issued subject to 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 Act, or other statutes imposing more stringent conditions relating to the quantity, type or manner under which any such Waste may be so deposited, this Licence shall be deemed 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 all applicable legislation, guidelines and directives.

2. DEFINITIONS

- a. The Licensee shall refer to [Schedule A](#) for definitions of terms used in this Licence.

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 and deposit or Discharge of Waste 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.

PART B: GENERAL CONDITIONS

1. The Licensee shall file an Annual Report with the Board for review, no later than March 31st of the year following the calendar year being reported. The Annual Report shall be developed in accordance with [Schedule B](#).



2. The Licensee shall submit to the Board for review, a quarterly report for all monitoring and studies conducted during each Calendar Quarter, no later than forty five (45) days following the quarter being reported, which shall contain the following information:
 - a. Tabular summaries of all data generated under the Monitoring Program;
 - b. Monthly quantities of fresh Water obtained from all sources;
 - c. Quarterly sampling results from Monitoring Program Station GRA-3;
 - d. The current estimated volume of Nipissar Lake based on Water elevation determined at Monitoring Program Station GRA-5; and
 - e. An executive summary of any studies conducted to date during the Calendar Quarter, pending completion.
3. 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.
4. The Monitoring Program and compliance dates specified in the Licence may be modified at the discretion of the Board.
5. The Licensee shall install, operate and maintain Metres, devices or other such methods used for measuring the volumes of Water used and waste discharged, to the satisfaction of an Inspector.
6. The Licensee shall post the necessary signs, to identify the stations of the Monitoring Program. All signage postings shall be in the Official Languages of Nunavut.
7. The Licensee shall, for all Plans submitted under this Licence, include a proposed timetable for implementation. Plans submitted, cannot be undertaken without subsequent written Board approval and direction. The Board may alter or modify a Plan if necessary to achieve the legislative objectives and will notify the Licensee in writing of acceptance, rejection or alteration of the Plan.
8. The Licensee shall, in the event that a Plan is not found acceptable to the Board, within thirty (30) days of notification by the Board, provide a revised version to the Board for review or approval in writing.
9. The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board.
10. 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 conditions 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.
11. The Licensee shall review the Plans referred to in this Licence as required by changes in



operation and/or technology and modify the Plans or Manuals accordingly. Revisions to the Plans or Manuals are to be submitted in the form of an Addendum to be included with the Annual Report required by Part B, Item 1(g), complete with a revisions list detailing where significant content changes are made.

12. The Licensee shall immediately report to the NWT/NU 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 Facilities, Utilidor or Sewage Treatment Facility.
13. The Licensee shall ensure a copy of this Licence is maintained at the municipal office and at the site of operation at all times.
14. 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@nwb-oen.ca
15. Any notice made to an Inspector shall be made in writing to the attention of:

Water Resources Officer
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0
Telephone: (867) 975-4295
Fax: (867) 979-6445
16. The Licensee shall submit one (1) paper copy and one (1) electronic copy of all reports, studies, and Plans to the Board or as otherwise requested by the Board. Reports or studies submitted to the Board by the Licensee shall include an executive summary in English and Inuktitut.
17. The Licensee shall ensure that any document(s) or correspondence submitted by the Licensee to the Board, is received by the Board and maintain on file a copy of the acknowledgment of receipt issued by the Manager of Licensing or designate.
18. This Licence is assignable as provided for in Section 44 of the Act.
19. The expiry or cancellation of this Licence does not relieve the Licensee from any obligation imposed by the Licence, or any other regulatory requirement.



PART C: CONDITIONS APPLYING TO WATER USE AND MANAGEMENT

1. The Licensee shall obtain all fresh Water for the Municipal Undertaking, from Nipissar Lake at Monitoring Station GRA-1 using the Water Supply Facilities, or as otherwise approved by the Board in writing.
2. The annual quantity of Water used for all purposes from Nipissar Lake shall not exceed eight hundred and fifty thousand (850,000) cubic metres per annum, or as otherwise approved by the Board in writing.
3. The Licensee is authorized to withdraw and transfer fresh Water from the Char River, exiting the Lower Landing Lake at Monitoring Station GRA-6, and pump to Nipissar Lake annually in accordance with the approved Water Pumping Adaptive Management Plan as submitted as per Part C, Item 6.
4. The daily quantity of Water pumped from the Char River to Nipissar Lake shall not exceed three thousand, four hundred and eighty-five (3,485) cubic metres per day, to be withdrawn in accordance with the approved Water Pumping Adaptive Management Plan. Withdrawal of Water shall not exceed 10 % of the instantaneous flow of Char River.
5. The Licensee shall cease Water pumping activities from Char River to Nipissar Lake should the In-stream flow objectives for Char River, as per the Water Pumping Adaptive Management Plan and restrictions imposed in Part C, Item 4, not be met.
6. The Board has approved the Plan entitled Water Pumping Adaptive Management Plan dated February 2016. The Licensee shall annually update and submit to the Board for review, no later than March 31st of the year following the calendar year being reported, the updated Water Pumping Adaptive Management Plan, to include the following:
 - a. Details of seasonal hydrological monitoring of Char River;
 - b. Details of Char River, Lower Landing Lake and Nipissar Lake Water chemistry monitoring and assessment of impacts on Nipissar Lake Water quality/chemistry due to the transfer of Water from Char River;
 - c. In-stream flow objectives for Char River including a flow based low cut-off limit: 10% of the instantaneous flow and 0.5m minimum flow depth in the Char River, at which point no further Water should be withdrawn from the Char River;
 - d. Details of Char River on-going viability assessment in meeting pumping objectives and Water use requirements;
 - e. Mitigation options and procedures for occurrences when flow is insufficient to meet pumping objectives and consumption requirements.
7. 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.



8. 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.
9. The Licensee shall not cause erosion to the banks of any body of Water and shall provide necessary controls to prevent such erosion.
10. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into Water.
11. The Licensee shall maintain the Water Supply Facilities to the satisfaction of the Inspector.
12. The Licensee shall monitor the Water level of Nipissar Lake at Monitoring Program Station GRA-5, or as otherwise approved by the Board.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT

1. The Licensee shall direct all Sewage to the Sewage Treatment Facility or as otherwise approved by the Board.
2. The Licensee shall deposit sewage sludge and solid waste to a licensed waste disposal facility.
3. The Licensed Facilities shall be maintained and operated in such a manner as to prevent structural failure.
4. The Licensee shall maintain the Licensed Facilities to the satisfaction of an Inspector.
5. The Licensee shall remove from the site, all Hazardous Wastes, waste oil and non-combustible waste generated through the course of the operation, for disposal at a licensed waste disposal facility.
6. The Licensee shall maintain records of all Waste removed from site and records of confirmation of proper disposal of removed Waste. These records shall be made available to an Inspector upon request.

PART E: CONDITIONS APPLYING TO MODIFICATIONS AND CONSTRUCTION

1. The Licensee shall submit to the Board, for approval in writing, construction drawings signed and stamped by an 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 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 the Licence or the Act;
 - c. Such Modifications are consistent with the NPC Land Use Planning and NIRB Screening Determination;
 - d. The Board has not, within sixty (60) days following notification of the proposed Modifications, informed the Licensee that review of the proposal will require more than sixty (60) days;
 - e. The Board has not rejected the proposed Modifications;
3. Modifications for which any of the conditions referred to above have not been met can be carried out only with written approval from the Board.
4. Applications for modifications shall contain:
- a. A description of the facilities and/or works to be constructed;
 - b. The proposed location of the structure(s);
 - c. Identification of any potential impacts to the receiving environment;
 - d. A description of any monitoring required, including sampling locations, parameters measured, and frequencies of sampling;
 - e. Schedule for construction;
 - f. Drawings of Engineered Structures stamped by a Professional Engineer; and
 - g. Proposed sediment and erosion control measures.
5. The Licensee shall provide as-built plans and drawings of the construction and/or modifications referred to in Part E of this Licence within ninety (90) days of completion of the Construction or Modification. These plans and drawings shall be signed and stamped by an Engineer.

PART F: CONDITIONS APPLYING TO OPERATIONS AND MAINTENANCE

1. The Licensee shall implement the Plans entitled “Water Supply Facility Operation and Maintenance (O&M) Plan, Hamlet of Rankin Inlet, Department of Community and Government Services, Government of Nunavut” dated April 2010 and “Addendum to Operations and Maintenance (O&M) Plan for the Water Supply Facility, Char River, Rankin Inlet, Nunavut” dated May 2014 that were originally approved by the Board.
2. The Board has approved the Plan entitled “Operation and Maintenance (O&M) Plan Sewage Treatment Facility, Hamlet of Rankin Inlet, Nunavut” updated January 2016.
3. The Licensee shall implement the Plan entitled “Spill Contingency Plan for Water Supply and Sewage Treatment Facilities Rankin Inlet, Nunavut”, dated May 2014 that was originally approved by the Board.



4. The Licensee shall, subject to Section 16 of the Regulations, report any unauthorized deposits of waste or foreseeable unauthorized deposits of waste and/or discharges of Effluent, and:
 - a. Employ as required, the approved Spill Contingency Plan;
 - b. Report the incident immediately via the NWT/NU 24-Hour Spill Reporting Line (867) 920-8130 and to the Inspector at (867) 975-4295; and
 - c. For each spill occurrence, submit a detailed report to the Inspector, no later than thirty (30) days after initially reporting the event, which includes the amount and type of spilled product, the GPS location of the spill, and the measures taken to contain, clean up and restore the spill site.
5. The Licensee shall, in addition to Part F, Item 4, regardless of the quantity of release of a harmful substance, report to the NWT/NU Spill Line if the release is near or into a Water body.

PART G: CONDITIONS APPLYING TO ABANDONMENT, RESTORATION AND CLOSURE

1. The Licensee shall submit to the Board for approval in writing, an Abandonment and Restoration Plan at least six (6) months prior to abandoning 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 waste treatment and sewage treatment sites and facilities;
 - c. Petroleum and chemical storage areas;
 - d. Any site affected by waste spills;
 - e. Leachate prevention;
 - f. An implementation schedule;
 - g. Maps delineating all disturbed areas, and site facilities;
 - h. Consideration of altered drainage patterns;
 - i. Type and source of cover materials;
 - j. Future area use;
 - k. Hazardous wastes; and
 - l. A proposal identifying measures by which restoration costs will be financed by the Licensee upon abandonment.
2. The Licensee shall carry out progressive reclamation of any components of the project no longer required for the Licensee's operations.
3. In order to promote growth of vegetation and the needed microclimate for seed deposition, all disturbed surfaces shall be prepared by ripping, grading, or scarifying the surface to conform to the natural topography.



4. Areas that have been contaminated by hydrocarbons shall be reclaimed to meet objectives as outlined in the Government of Nunavut’s Environmental Guideline for Site Remediation, January 2002. The use of reclaimed soils for the purpose of back fill or general site grading may be carried out only upon consultation and approval by the Government of Nunavut, Department of Environment and an Inspector.
5. The Licensee shall complete the restoration work within the time schedule specified in an approved Abandonment and Restoration Plan, or as subsequently revised and approved by the Board.
6. The Licensee shall complete all restoration work prior to the expiry of this Licence.

PART H: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licensee shall maintain Monitoring Program Stations at the following locations:

Monitoring Program Station Number	Description	Frequency	Status
GRA-1	Raw Water supply prior to treatment	Monthly	Active (Volume)
GRA-2	Point of discharge in Prairie Bay (within 20 m of discharge pipe outfall approximately 5 m below the surface)	N/A	Inactive
GRA-3	Effluent discharge from Sewage Treatment Facility	Quarterly	Active (Quality)
GRA-4	Sludge removed from the Sewage Treatment Facility	Monthly	Active (Volume)
GRA-5	Water level gauge in Nipissar Lake	Monthly (during periods of open water)	Active (Water Level)
GRA-6	Char River Water pumped to Nipissar Lake	Daily, Monthly/Annually; Annually (spring freshet)	Active (Volume/Quality)
GRA-7	Lower Landing Lake	Annually (spring freshet)	New (Water Quality)



2. The Licensee shall measure by instrument and record in cubic metres, the daily, monthly and annual quantities of Water extracted for all purposes at Monitoring Program Station GRA-1, and extracted from the Char River, exiting Lower Landing Lake at Monitoring Program Station GRA-6.
3. The Licensee shall, during Water pumping/transfer activities from Char River to Nipissar Lake, record total daily Water flow in cubic metres, within the Char River to ensure the Licensee adheres to Part C, Items 3, 4 and 5 of the Licence, and the “Framework for Assessing the Ecological Flow Requirements to Support Fisheries in Canada”, (DFO 2013, or more recent).
4. The Licensee shall sample at least once during a Calendar Quarter at Monitoring Program Station GRA-3 and analyze for the following parameters:

cBOD ₅	Faecal Coliforms
pH	Conductivity
Total Suspended Solids	Ammonia Nitrogen
Nitrate – Nitrite	Sulphate
Total Phenols	Potassium
Sodium	Calcium
Magnesium	Chloride
Total Arsenic	Total Cadmium
Total Chromium	Total Copper
Total Iron	Total Lead
Total Mercury	Total Nickel
Total Zinc	Total Cobalt
Oil and Grease	
Total Petroleum Hydrocarbons (TPH) with using method that measures mineral sources of hydrocarbons (e.g. ASTM D7678 PHC test or other)	

5. The Licensee shall sample annually during spring freshet, at Monitoring Program Stations GRA-1, GRA-6 and GRA-7 and analyze for the following parameters in accordance with the Canadian Council of Ministers of the Environment (CCME, 2013) Water Quality Guidelines for the Protection of Freshwater Aquatic Life:

pH	Conductivity
Total Suspended Solids	Ammonia Nitrogen
Nitrate – Nitrite	Sulphate
Total Phenols	Total Alkalinity
Total Hardness	Potassium
Sodium	Calcium
Magnesium	Chloride
Total Aluminum	Total Arsenic
Total Chromium	Total Cobalt
Total Copper	Total Iron
Total Lead	Total Manganese



Total Mercury

Total Nickel

Total Phosphorous

Total Zinc

Oil and Grease

Total Petroleum Hydrocarbons (TPH) (using a method that measures mineral sources of hydrocarbons; e.g. ASTM D7678 PHC test or other)

Benzene, Toluene, Ethylbenzene, Xylene (BTEX)

6. The Licensee shall measure and record in cubic metres, the monthly and annual volumes of sludge removed from the Sewage Treatment Facility at Monitoring Program Station GRA-4.
7. The Licensee shall provide the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of Water are utilized for all purposes and at all Monitoring Program Stations.
8. The Licensee shall record Water elevation monthly, during periods of open Water at Monitoring Program Station GRA-5.
9. 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.
10. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.
11. The Licensee shall implement the Plan entitled “Environmental Monitoring Program and Quality Assurance/Quality Control Plan” that has been accepted by the Board. The Licensee shall within ninety (90) days following approval of the Licence, submit to the Board for review, an updated Plan to take into account comments received during the review of Application and the Public Hearing Process.
12. The Licensee shall annually review the QA/QC Plan referred to in Part J, Item 11 and modify it as necessary. Revised QA/QC Plans shall be submitted to the Board with a current approval letter from an accredited lab and shall meet the standards set out in Part H, Items 9 and Item 10 of the Licence.
13. 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(a) or as otherwise requested by an Inspector.
14. Modifications to the Monitoring Program may be made only upon written approval of the Board.



SCHEDULES

[Schedule A](#): Scope, Definitions, and Enforcement

[Schedule B](#): General Conditions

Schedule C: No Schedule for Water Use and Management

Schedule D: No Schedule for Waste Disposal and Management

Schedule E: No Schedule for Modifications and Construction

Schedule F: No Schedule for Operations and Maintenance

Schedule G: No Schedule for Abandonment, Restoration and Closure

Schedule H: No Schedule for Monitoring Program



Schedule A: Scope, Definitions, and Enforcement

In this Licence: **3AM-GRA1624**

“**Abandonment**” means the permanent dismantlement of a facility so it is permanently incapable of its intended use. This includes the removal of associated equipment and structures;

“**Act**” means the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*;

“**Adaptive Management**” means a management plan that describes a way of managing risks associated with uncertainty and provides a flexible framework for mitigation measures to be implemented and actions to be taken when specified thresholds are exceeded;

“**Addendum**” means the supplemental text that is added to a full plan or report, usually included at the end of the document and is not intended to require a full resubmission of the revised report. It may also be considered as an appendix or supplement;

“**Amendment**” ; means a change to any terms and conditions of this Licence through application to the NWB, requiring a change, addition, or deletion of specific terms and conditions of the Licence not considered as a modification;

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

“**Annually**” means, in the context of monitoring frequency, one sampling event occurring every 365 days with a minimum of 200 days between sampling events;

“**Appurtenant Undertaking**” means an undertaking in relation to which a use of water or a deposit of waste is permitted by a licence issued by the Board;

“**Board**” means the Nunavut Water Board established under Article 13 of the *Nunavut Land Claims Agreement* and under section 14 of the *Act*;

“**Calendar Quarter**” means divisions of the calendar year, comprised of three month intervals from January to December, inclusive (January – March, April – June, July – September and October – December);

“**Discharge**” means the release of any water or waste to the receiving environment;

“**Effluent**” means treated or untreated liquid waste material that is discharged into the environment from the site water management facility such as a settling pond or a treatment plant;

“**Engineer**” means a professional engineer registered to practice in Nunavut in accordance with the *Consolidation of Engineers and Geoscientists Act S. Nu 2008, c.2* and the *Engineering and Geoscience Professions Act S.N.W.T. 2006, c.16 Amended by S.N.W.T. 2009, c.12*;



“**Engineered Structure**” means any facility, which was designed and approved by a Professional Engineer registered with the Association of Professional Engineers, Geologists and Geophysicists of Nunavut;

“**Greywater**” means the component of effluent produced from domestic use (i.e. washing, bathing, food preparation and laundering), excluding sewage;

“**Hazardous Waste**” means materials or contaminant which are categorized as dangerous goods under the *Transportation of Dangerous Good Act* (1992) and/or that is no longer used for their original purpose and is intended for recycling, treatment, disposal or storage;

“**High Water Mark**” means the usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to change the characteristics of the land (ref. *Department of Fisheries and Oceans Canada, Operational Statement: Mineral Exploration Activities*);

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

“**Licence**” means this Type “A” Water Licence 3AM-GRA1624, issued by the Nunavut Water Board in accordance with the *Act*, to Government of Nunavut, Community and Government Services for the Hamlet of Rankin Inlet;

“**Licensed Facilities**” means the Water Supply Facilities, Utilidor and Sewage Treatment Facility;

“**Licensee**” means to whom the Licence 3AM-GRA1624 is issued to or assigned;

“**Minister**” means the Minister of Indigenous and Northern Affairs Canada (INAC);

“**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;

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

“**Monthly**” means, in the context of monitoring frequency, one sampling event occurring every thirty (30) days with a minimum of twenty one (21) days between sampling events;

“**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;

“**Quality Assurance / Quality Control (QA/QC)**” Quality Assurance means the system of activities designed to better ensure that quality control is done effectively; Quality Control means the use of established procedures to achieve standards of measurement for the three principle components of quality: precision, accuracy and reliability;



“**Regulations**” means the *Nunavut Waters Regulations* (SOR/2013/669 18th April, 2013);

“**Sewage**” means all toilet wastes and greywater;

“**Sewage Treatment Facility**” means the facility designed to receive sewage from the Utilidor, designed to provide primary treatment via a rotating drum screen, and discharge Sewage to the marine environment in Prairie Bay as described in the Application for a Water Licence Renewal dated March 6, 2015;

“**Undertaking**” means an undertaking in respect of which water is to be used or waste is to be deposited, of a type set out in Schedule I of the *Regulations*;

“**Use**” means use as defined in S.4 of the Act;

“**Utilidor**” means the piped distribution system designed to transport treated water from the Water Supply Facilities to structures and dwellings in Rankin Inlet and the piped collection system designed to collect sewage from structures and dwellings and transport to the Sewage Treatment Facility, as described in the Application for a Water Licence Renewal dated March 6, 2015;

“**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;

“**Wastewater**” means the water generated by site activities or originates on-site that requires treatment or any other water management activity;

“**Water or Waters**” mean water as defined in S.4 of the *Act*, inland waters, whether in a liquid or solid state, on or below the surface of the land;

“**Water Supply Facilities**” means the areas and associated infrastructure at Nipissar Lake including the Lake, intake lines, pumphouse, underground pipeline and Williamson Lake water tank, and the areas and associated infrastructure at the Char River exiting the Lower Landing Lake including the water intake and pipeline extending from the Char River to Nipissar Lake as described in the Application for Water Licence Renewal dated March 6, 2015.



Schedule B: General Conditions

The Annual Report referred to in Part B, Item 1, shall include the following:

- a. Tabular summaries of all data generated under the Monitoring Program;
- b. The monthly and annual quantities of fresh water obtained from all sources;
- c. The monthly and annual quantities of wastes removed for disposal from Licensed Facilities;
- d. The current estimated volume of Nipissar Lake based on Water elevation determined at Monitoring Program Station GRA-5;
- e. A summary of modifications and/or major maintenance work carried out on the Water Supply and Sewage Treatment Facilities, including all associated structures and facilities;
- f. A list of unauthorized discharges and summary of follow-up actions taken;
- g. Any revisions to approved Plans and Manuals as required by Part B, Item 11, submitted in the form of an Addendum;
- h. A summary of abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
- i. A summary of any studies, reports and plans requested by the Board that relate to waste disposal, Water use or reclamation, and a brief description of any future studies planned; and
- j. Any other details on Water use or waste disposal requested by the Board by November 1st of the year being reported.