

## **10 REFERENCES**

1. Automobile Recyclers of Canada. (2008). *National Code of Practice for Automotive Recyclers Participating in the National Vehicle Scrappage Program*. Created for Environment Canada. Retrieved June 11, 2010 from:  
[http://www.certifiedautorecycler.ca/Downloads/COM624\\_Automotive\\_Recylers\\_ENG\\_web.pdf](http://www.certifiedautorecycler.ca/Downloads/COM624_Automotive_Recylers_ENG_web.pdf)
2. British Columbia Ministry of Environment. (2008). *Guidebook for the Vehicle Dismantling and Recycling Industry Environmental Planning Regulation*. Retrieved June 25, 2010 from:  
[http://www.env.gov.bc.ca/epd/industrial/regs/vehicle/pdf/guidebook\\_vehicle\\_reg.pdf](http://www.env.gov.bc.ca/epd/industrial/regs/vehicle/pdf/guidebook_vehicle_reg.pdf)
3. California Environmental Protection Agency. (2005). *How to Remove Mercury Switches from Major Appliances – A Guide for Appliance Recyclers*. Retrieved December 21, 2010 from:  
[http://www.dtsc.ca.gov/HazardousWaste/Mercury/upload/HWMP\\_POL\\_Guidance\\_Mercury\\_Appliances.pdf](http://www.dtsc.ca.gov/HazardousWaste/Mercury/upload/HWMP_POL_Guidance_Mercury_Appliances.pdf)
4. Canadian Environmental Protection Act, 1999. (2008). *PCB Regulations*. Published in the Canada Gazette Part II, Vol. 142, No. 19 (SOR/2008-247 to 290 and SI/2008-93 to 107).
5. Connecticut Department of Environmental Protection. (2005). *Guide for Removal, Storage, and Disposal of PCB Small Capacitors*. Retrieved December 22, 2010 from:  
[http://www.ct.gov/dep/cwp/view.asp?a=2710&depNav\\_GID=1638&q=324258](http://www.ct.gov/dep/cwp/view.asp?a=2710&depNav_GID=1638&q=324258)
6. Department of Environment, Government of Nunavut. (Revised April 2010). *Environmental Guideline for the General Management of Hazardous Waste*. Retrieved April 6, 2010, from  
<http://www.gov.nu.ca/env/General%20Management%20of%20Hazardous%20Waste%202010.pdf>
7. Department of Environment and Natural Resources, Government of the Northwest Territories. (2003). *Used Oil and Waste Fuel Regulations Plain Language Guide*. Retrieved from  
[http://www.enr.gov.nt.ca/\\_live/pages/wpPages/publications.aspx](http://www.enr.gov.nt.ca/_live/pages/wpPages/publications.aspx)
8. Department of Environment and Natural Resources, Government of the Northwest Territories (2011). Hazardous Materials Database. Retrieved on February 15<sup>th</sup>, 2011 from  
[http://www.enr.gov.nt.ca/\\_live/pages/wpPages/Hazardous\\_Materials\\_Spill\\_Database.aspx](http://www.enr.gov.nt.ca/_live/pages/wpPages/Hazardous_Materials_Spill_Database.aspx)
9. Department of Environmental Conservation, Vermont. (Spring 2008). *Household Appliance Mercury Switch Removal Manual*. Retrieved from <http://www.mercvt.org/PDF/appman.pdf>
10. Department of Indian and Northern Affairs Canada, Water Resources Division & The Northwest Territories Water Board. (July 1996). *Quality Assurance (QA) and Quality Control (QC)*

*Guidelines for use by Class “B” Licensees in Collecting Representative Water Samples in the Field and for Submission of a QA/QC Plan.*

11. Department of Sustainable Development, Government of Nunavut. (2002). *Environmental Guideline for Ozone Depleting Substances*. Retrieved August 26, 2010 from:  
<http://www.gov.nu.ca/env/depleting.pdf>
12. Duong, D., & Kent, R. (October 1996). *Guidelines for the Preparation of an Operation and Maintenance Manual for Sewage and Solids Waste Disposal Facilities in the Northwest Territories*. Produced for MACA.
13. Environment Canada. (2010). *Environmental Code of Practice for Elimination of Fluorocarbon Emissions from Refrigeration and Air Conditioning Systems*. Retrieved December 13, 2010 from:  
<http://www.ec.gc.ca/ozone/default.asp?lang=En&n=127A4F77-1&offset=1&toc=show>
14. Environmental Protection Division, Department of Environment and Natural Resources, Government of the Northwest Territories. (2008). *Drum Disposal Protocol for Municipal Landfill, Drum and Tank Cleaning for Municipal Disposal*. Retrieved originally from  
[http://www.enr.gov.nt.ca/eps/pdf/Drum\\_Disposal\\_Protocol.pdf](http://www.enr.gov.nt.ca/eps/pdf/Drum_Disposal_Protocol.pdf) (website no longer working). Document can be obtained from [http://www.enr.gov.nt.ca/\\_live/pages/wpPages/publications.aspx](http://www.enr.gov.nt.ca/_live/pages/wpPages/publications.aspx)
15. Environmental Protection Service, Department of Sustainable Development, Government of Nunavut. (January 2002). *Environmental Guideline for Waste Batteries*. Retrieved from  
<http://env.gov.nu.ca/sites/default/files/Guideline%20Waste%20Batteries.pdf>
16. Government of Canada. National Climate Data and Information Archive. Retrieved on February 5<sup>th</sup>, 2011 from [http://climate.weatheroffice.gc.ca/climate\\_normals/results\\_e.html?StnID=631](http://climate.weatheroffice.gc.ca/climate_normals/results_e.html?StnID=631)
17. Government of Nunavut, Nunavut Bureau of Statistics. “Population Estimates and Projections”. Retrieve on February 5<sup>th</sup>, 2011 from <http://www.eia.gov.nu.ca/stats/about.html>
18. Health Canada. (2005). *PCBs*. Retrieved April 8, 2010 from <http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/enviro/pcb-bpc-eng.php>
19. IEG Environmental. (July 2005). *Wastewater Sampling Instructions, Kitikmeot Region*. Produced for Department of Community and Government Services, Government of Nunavut.
20. Kent, R., P. Marshall & L. Hawke. (April 2003). *Guidelines for the Planning, Design, Operations and Maintenance of Modified Solid Waste Sites in the Northwest Territories*. Prepared for The Department Municipal and Community Affairs, Government of the Northwest Territories.
21. Minnesota Pollution Control Agency. (2002). *Motor Vehicle Salvage Facility Environmental Compliance Manual*. Retrieved July 9, 2010 from:  
<http://www.smallbiz-enviroweb.org/industry/scrapmetal.aspx>

22. Missouri Department of Natural Resources Environmental Assistance Office. (2004) Preventing Pollution During Vehicle Salvage; *A Guide to Environmental Compliance and Pollution Prevention for Vehicle Salvage Facilities in Missouri* Retrieved September 9, 2010 from: <http://www.dnr.mo.gov/pubs/pub394.pdf>
23. Murray, W. (November 1996). *Tire Recycling*. Science and Technology Division, Depository Services Program, Government of Canada. Last updated: 2002-10-24. Retrieved from <http://dsp-psd.tpsgc.gc.ca/Collection-R/LoPBdP/BP/bp431-e.htm>
24. Nova Scotia Department of Environment and Labour. (2006). *Feasibility Study of Comprehensive Collection and Recycling Programs for Single-use Propane Cylinders in Canada, Final Report*. Prepared for Canada, Action Plan 2000 on Climate Change Enhanced Recycling Program. Retrieved April 8, 2010 from <http://www.nrca.gc.ca/mms-smm/busi-indu/rad-rad/pdf/prop-tan-fr-eng.pdf>
25. Nunavut Bureau of Statistics. (2006). Nunavut Census: Population Data
26. Nunavut Water Board. (September 2008). *Hamlet of Hall Beach Water Licence, Licence Number: 3BM-HAL0810*.
27. Parks Canada. *Safety in Polar Bear Country*. Retrieved November 2008 from <http://dsp-psd.pwgsc.gc.ca/Collection/R62-342-2001E.pdf>
28. PCB Disposal. *PCB Ballasts*. Retrieved November 2008 from <http://www.pcbdisposalinc.com/images/pdfs/ballasts.pdf>
29. PCB Disposal. *PCB Capacitors*. Retrieved November 2008 from <http://www.pcbdisposalinc.com/images/pdfs/Capacitors.pdf>
30. Propane Gas Association of Canada. (2010). *Respect Basic Safety Considerations*. Retrieved April 8, 2010 from [http://www.propanegas.ca/PGAC/Safety\\_StoringHandling\\_Basics.asp](http://www.propanegas.ca/PGAC/Safety_StoringHandling_Basics.asp)
31. United States Environmental Protection Agency. (January 2005). *Groundwater Well Sampling*. Retrieved from <http://www.ecy.wa.gov/programs/eap/qa/docs/QAPPtool/Mod7%20EPA%20SOPs/Groundwater/Sampling/ERTSOP2007%20Groundwater%20Sampling.pdf>
32. Wildlife Division, Department of Environment and Natural Resources. *Safety in Grizzly and Black Bear Country*. Retrieved September 21, 2010 from <http://www.enr.gov.nt.ca/live/pages/wpPages/publications.aspx>
33. VT Solid Waste Districts and Alliances, VT Department of Environmental Conservation, Environmental Assistance Division. (2002). *Best Management Practices (BMP) for Vermont's Auto Salvage Yards*. Retrieved July 9, 2010 from: [http://www.cwwa.ca/pdf\\_files/Source%20Control%20-%20Vermont%20Scrap.pdf](http://www.cwwa.ca/pdf_files/Source%20Control%20-%20Vermont%20Scrap.pdf)

34. Yukon Environment. (2005). *Environmental Programs: Guide for Used Oil Burner Operators*. Retrieved July 1, 2010 from:

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## **APPENDIX A**

### **Copy of Hamlet of Hall Beach Water Licence**

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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

File No.: 3BM-HAL0810

May 29, 2008

Mr. John Mabberi-Mudonyi  
Acting SAO  
Hamlet of Hall Beach  
Box 3  
Hall Beach, NU X0A 0K0  
E-mail: [sao\\_hbhamlet@qiniq.com](mailto:sao_hbhamlet@qiniq.com)

**RE: NWB Licence No. 3BM-HAL0810**

Dear Mr. Mabberi-Mudonyi;

Please find attached Licence No. 3BM-HAL0810 issued to the Hamlet of Hall Beach 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 and waste disposal 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 and waste disposal 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* (NWSRTA). 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 thirty (30) 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 identified. This information is attached for your consideration.

Sincerely,

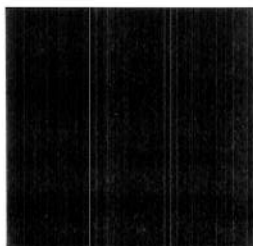
A handwritten signature in black ink, appearing to read 'T. Kabloona', with a long horizontal stroke extending to the right.

Thomas Kabloona  
A/Chief Executive Officer

TK/tla/dh

Enclosure: Licence No. 3BM-HAL0810  
Comments from GN DoE and INAC

cc: Qikiqtani Distribution List



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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

## DECISION

### LICENCE NUMBER: 3BM-HAL0810

This is the decision of the Nunavut Water Board (NWB) with respect to an application for a Licence renewal received on February 25, 2008, made by:

#### Hamlet of Hall Beach

to allow for the use of water and disposal of waste for the Hamlet of Hall Beach, located within the Qikiqtani region of Nunavut. With respect to this application, the NWB gave notice to the public on March 14, 2008 that the Hamlet had filed an application for a water licence renewal.

### 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* (NWNSTRTA), decided to waive the requirement to hold a public hearing and determined that:

**Licence Number 3BM-HAL0810 be issued subject to the terms and conditions contained therein. (Motion #: 2008-06)**

SIGNED this 16<sup>th</sup> day of May, 2008 at Gjoa Haven, NU.

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Thomas Kabloona  
Acting Chief Executive Officer



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## **I. BACKGROUND**

The Hamlet of Hall Beach has a population of approximately 700 people and is located at the coordinates of 68°46' north latitude and 81°13' west longitude on western shore of Foxe Basin within the Qikiqtani region of Nunavut. Hall Beach 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 NWB issued a municipal water licence to the Hamlet of Hall Beach on January 9, 2003, to allow for the use of water and disposal of waste. Following an application by the Hamlet, the NWB issued an amendment to the Licence on April 24, 2007 approving the decommissioning of an abandoned sewage lagoon.

The Municipal Water Licence expired on March 31, 2008. The Government of Nunavut Department of Community and Government Services, on behalf of the Hamlet, submitted an application for water licence renewal to the NWB, which was received on February 25, 2008. 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 March 14, 2008.

Information contained in the February 25, 2008 submission and distributed for review was as follows:

- Application cover letter
- Application summary;
- NWB Licence renewal application form;

The scope of the renewal application included ongoing operation of the existing Sewage Disposal Facility and Solid Waste Disposal Facility. No other information was presented to the NWB.

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), on March 14, 2008. The 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 Indian and Northern Affairs Canada (INAC) and the Government of Nunavut Department of Environment (GN-DOE) on or prior to April 25, 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-HAL0810.

### **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 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 previous water licence NWB3HAL0308 inspection reports, the NWB has noted that there were several issues of non-compliance and other related problems identified by the inspector, which include:

- i. The Solid Waste Facility is unfenced and waste is not segregated;
- ii. The Sewage Disposal Facility lacks sufficient holding time to treat sewage;
- iii. Uncontrolled seepage from the lagoon;
- iv. Improperly stored hazardous waste;
- v. Uncontrolled runoff from the Solid Waste Disposal Facility; and
- vi. Lack of annual reporting to the NWB.

In review of the application and the comments received from interested parties, there were no specific comments with respect to the Hamlet's request for a term of five (5) years for the Licence renewal. However, INAC recommended the following:

INAC recommends that an extension of the current water license, retaining the current terms and conditions, if the Hamlet and Community and Government Services agree to bring the Hamlet into compliance with the current terms and conditions of the license for the current wastewater disposal facilities and water use in the community. This extension should be provided in order for the community and its technical support group to provide to the Board an amendment, a revised license application and/or a report dealing with compliance issues.

Having considered INAC's comments, the NWB has decided on a two (2) year term for the renewed Licence. The decision for a short duration was based on issues with non-compliance and is intended to send a clear message to the Hamlet and regulatory authorities that the Board will not passively encourage the Hamlet's failure to comply with the Licence conditions and

associated legal requirements. The Board fully expects the Hamlet to take immediate steps to come into full compliance with the Licence requirements for its existing facilities and to operate the Sewage Disposal Facility in accordance with the Licence. When the Hamlet submits an application to renew the Licence in approximately 20 months, the Board expects the Hamlet to be in full compliance with the licence. This short duration also permits the Board to increase its level of confidence that the facility is operating as it should. As per Part B, Item 10 of the Licence, the Licensee must submit a Plan for Compliance that clearly demonstrates how the Hamlet will achieve full compliance with the Licence conditions.

### **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.

[\(ftp://nunavutwaterboard.org/ADMINISTRATION/Standardized%20Forms/\)](ftp://nunavutwaterboard.org/ADMINISTRATION/Standardized%20Forms/).

### **Operational Plans**

Appropriate 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) Plan to the NWB as required under the previous licence. The renewed Licence has therefore, included the requirement to provide O&M Manual to the NWB. 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) Plan;*
- ii. *Sewage Disposal Facility Operation and Maintenance (O&M) Plan;*
- iii. *Sewage Sludge Management Plan;*
- iv. *Solid Waste Disposal Facility Operation and Maintenance (O&M) Plan;*
- v. *Spill Contingency Plan; and*
- vi. *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 distribution and waste disposal 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 and waste disposal to meet the requirements of the Licence. The O&M Manual should be based, at a minimum on the various NWB-approved guidelines

available (i.e. *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) and other regulatory guidelines as deemed appropriate.

### **Water Use**

The Hamlet of Hall Beach currently utilizes “Water Supply Lake” as a source of potable water with a maximum quantity of 35,000 cubic metres annually. 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 or in the manner in which this water will be used. The NWB has renewed the terms and conditions associated with water use by the Hamlet accordingly.

### **Sewage**

The Hamlet of Hall Beach currently provides trucked sewage services for the Community’s residents, businesses and institutions. Specific comments relevant to sewage disposal operations in the Hamlet were provided by GN-DOE and INAC.

As a standard condition for most water licenses involving municipal effluents the NWB has included acute toxicity testing as a Licence requirement under Part D, Item 6 prior to entering the receiving environment in Foxe Basin.

The NWB has added a requirement for a geotechnical inspection of the facilities to be carried out on an annual basis by a qualified engineer. This condition is consistent with other water licences issued in Nunavut.

INAC noted that a Spill Contingency Plan should be submitted to the NWB by the Licensee. The NWB concurs with this recommendation, and has imposed this requirement as part of the O&M Manual in the Licence.

Finally, as part of the Sewage Disposal Facility O&M Plan, the NWB requires that the Licensee include procedures and frequencies of inspections to be carried out to verify when there is flow from the Sewage Disposal Facility. Visual inspections to verify flow from the Sewage Disposal Facility are required to ensure that the monitoring program under Part D, Item 2 of the Licence is initiated at the appropriate time and that the Inspector is notified upon its commencement.

### **Solid Waste**

The development of an O&M Plan for the Solid Waste Disposal Facility is required as part of the overall O&M Manual discussed above. The O&M Plan for the Solid Waste Disposal Facility should set out procedures for the segregation, storage and eventual removal for disposal of hazardous wastes, including waste oil, and should also address procedures for the incineration of solid waste.

The NWB notes the concern raised by INAC regarding leachate and/or runoff from the Solid Waste Disposal Facility and Sewage Disposal Facility entering the stream that runs along the length of both facilities. INAC provided a summary of water quality sample results taken in 2007 by the Inspector. Results indicate that runoff and/or leachate from the waste areas has entered the stream. The Licensee is reminded of its obligation to contain waste and dispose of waste in accordance with the terms and conditions of this Licence. Any issues of non-compliance are subject to the direction provided by the Inspector. The Licensee must contain runoff and leachate from the Solid Waste Disposal Facility so that it does not enter water. This requirement is also supported by the GN-DoE.

### **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*. This Plan is to be submitted 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. The requirements for the Plan are outlined in Part G, Item 1 of this Licence.

**IV. LICENCE 3BM-HAL0810**

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 HALL BEACH**

(Licensee)

of **P.O. Box 3 HALL BEACH, NUNAVUT X0A 0K0**

(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-HAL0810**

Licence Number

**NUNAVUT 06**

Water Management Area

Location **HALL BEACH, NU (Latitude 68°46'N and Longitude 81°13'W)**

**WATER USE AND WASTE DISPOSAL**

Purpose:

**MUNICIPAL UNDERTAKINGS**

Description

**35,000 CUBIC METRES ANNUALLY**

Quantity of Water Not to Exceed

**May 16, 2008**

Date of Licence

**May 30, 2010**

Expiry Date of Licence

Dated this 16<sup>th</sup> of May, 2008 at Gjoa Haven, NU.



Thomas Kabloona  
Acting Chief Executive Officer





**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 Hamlet of Hall Beach, Qikiqtani Region, Nunavut (68°46' N; 81°13'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: **3BM-HAL0810**

**“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;

**“Effluent”** 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;

**“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;

**“Final Discharge Point”** in respect of an effluent means an identifiable discharge point of a facility beyond which the operator of the facility no longer exercises control over the quality of the effluent;

**“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;