

General Conditions (Part B)

License Condition	Requirement	NWB Status as of April 20, 2009	City of Iqaluit Update
B1	The Licensee will file an Annual Report no later than March 31 for the year following the calendar year being reported.	Requirement not met.	<p>See Appendix A-9 for the City's 2009 and 2010 Annual Water License Reports.</p> <p>The City's 2011 Annual Water License Report will be submitted by November 1, 2012.</p> <p>The City is currently working on compiling the 2007 and 2008 annual reports.</p>
B3	<p>In addition to the (Water License Application), the Licensee shall include:</p> <ol style="list-style-type: none"> 1. Complete water balance for Lake Geraldine prepared by an Engineer; and 2. Assessment of recharge needs for long term water demands. 	N/A	<p>The City of Iqaluit has initiated a Water Balance project to address this item. A RFP was issued and proposals were submitted until August 30, 2012. A Request for Decision for the award of this contract is going before the City's Engineering Committee of the Whole on October 4th and it is expected that the contract will be awarded at the October 9th Council meeting.</p>

Water Use and Water Management Plans (Part D)

License Condition	Requirement	NWB Status as of April 20, 2009	City of Iqaluit Update
D2	The total annual quantity of water used for all purposes from Lake Geraldine shall not exceed 1,100,000 m ³ or as otherwise approved by the Board	Annual water use = 721,680m ³ in 2006. No more information available given lack of Annual Reports.	In 2011, the City used 839,610 m ³ of water from Lake Geraldine. See Appendix A-9 for the City's Annual Water License Reports.
D3	The Licensee shall equip the water intake(s) with a screen with a mesh size sufficient such that no entrainment of fish can occur	Subject of amendment request. DFO input required.	The City has decided to proceed with the installation of a screen on the intake and will bring this forward to Council for approval in the 2013 budget.

D4	The Licensee shall ensure that the rate of water withdrawal is such that fish do not become impinged on the screen	Subject of amendment request. DFO input required.	The City will ensure that the rate of withdrawal does not impinge fish on the screen, once it is installed. This will be considered when the screen installation is being designed.
D5	The Licensee shall undertake a Dam Safety Inspection of the Lake Geraldine Reservoir between July and September bi-annually starting in 2008. A final report shall be submitted to the Board for review no later than 60 days following the site inspection and include a cover letter from the Licensee indicating how and when recommendations and/or deficiencies identified in the Inspection Report will be addressed.	None on file.	The Department of Engineering has completed Dam Safety Inspections (DSI's) annually since 2009. Please see Appendix B-8 for DSI's completed in 2009, 2010, 2011 and 2012. Completed DSI reports are have been submitted with the City's Annual reports.

Waste Disposal and Waste Management Plans (Part E)

License Condition	Requirement	NWB Status as of April 20, 2009	City of Iqaluit Update
E2	The Licensee shall provide at least ten (10) days written notice to an Inspector and the Board prior to any planned discharges from the Sewage Lagoon	INAC decant authorization dated Jun 14, 2007. Licensee provided notice August 14, 2008, following decant. Second notice provided February 19, 2009, following emergency decant	The City has been working to provide the Inspector with ten days of written notice for planned discharges from the Sewage Lagoon.
E3	E3 relates to effluent quality criteria.	Subject of amendment request. Licensee is out of compliance and proposes to come into compliance upon commissioning Phase II.	A funding application for priority municipal infrastructure projects has been submitted to the Government of Nunavut (includes completing the \$15 million Phase II upgrade, which is currently on hold due to funding constraints).
E4	Undiluted Effluent shall be non-acutely toxic under the "Rainbow Trout, <i>Oncorhynchus mykiss</i> (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/13)".	Subject of amendment request. Licensee proposes to come into compliance upon commissioning Phase II	A funding application for priority municipal infrastructure projects has been submitted to the Government of Nunavut (includes completing the \$15 million Phase II upgrade, which is currently on hold due to funding constraints).
E5	Upon commissioning of the Wastewater Treatment Plant, the Sewage Lagoon shall be considered as a back-up facility only. Any discharges from the back-up Sewage Lagoon shall be considered emergency discharges and shall require authorization from an Inspector in accordance with Part E Item 20 and 21	Subject of amendment request. Typographical error only. Condition should refer to Part E, Item 18 and 19.	The Sewage Lagoon is currently used as a backup facility only.

E6	The Licensee shall submit to the Board for approval an Operation and Maintenance Manual for the Wastewater Treatment Facilities by December 31, 2007. The manual shall be prepared in accordance with the <i>"Guidelines for the Preparation of an Operation and Maintenance Manual for Sewage and Solid Waste Disposal Facilities in the Northwest Territories(GNWT 1996)"</i> . The manual shall also cover the operation and maintenance of the Sludge Management Facility.	Not received (not on file).	Please see Appendix C-7 for the Operation and Maintenance Manual for the Wastewater Treatment Plant. Please see Appendix C-6 for the Operation and Maintenance Manual for the Sludge Management Facility.
E7	The Licensee shall submit to the Board for approval the "Final Assessment of the Sludge Management Pilot Project", completed by and Engineer, within 30 days following notification in accordance with Part E, Item 3(d)	Subject of amendment request. Licensee requested deadline extension to December 31, 2008.	Please see Appendix D-8 for the Iqaluit Sewage Sludge Management Composting Pilot Project Report.
E8	The Licensee shall undertake a Dam Safety Inspection of the Sewage Lagoon, completed by and Engineer, once before October 31, 2006, and then between July and September biannually starting in 2008 until notification has been provided in accordance with Part E Item 3(d). A final report shall be submitted to the Board for review no later than 60 days following the site inspection and include a cover letter from the Licensee indicating how and when recommendations and/or deficiencies identified in the Inspection Report will be addressed.	Not received (not on file).	Please see Appendix C-10 for the City of Iqaluit Sewage Lagoon Dam Safety Inspections from 2006, 2009, 2011.
E10	The Licensee shall submit to the Board for review by March 31, 2010, a Long-term Solid Waste Management Plan. The plan shall include but not limited to, the following: a. Options for solid waste disposal and discussion of preferred alternative; and b. Selection	Not yet required	The City has undertaken the Iqaluit Waste Management Project, which involves extensive public consultation and technical analysis to develop a new solid waste management plan and identify a new solid waste

	of a site for solid waste disposal.		<p>management site. The Project also involves the development of a decommissioning plan for the West 40 Landfill and the update of its operation and maintenance manual. The Terms of Reference for the project can be found in Appendix D-9.</p> <p>In 2011, two project newsletters were distributed and two public meetings were held to engage the public and key stakeholders in the first two phases of the project.</p> <p>Information can be obtained on the project website:</p> <p>iqaluitwasteproject.ca</p> <p>Another newsletter and public meeting are planned for 2012, to give the public an opportunity to provide feedback on the recommended program before it goes before City Council for approval.</p>
E12	<p>The Licensee shall review all Operation and Maintenance Manuals annually and revise them as necessary to reflect changes due to best practices in operation and technology. Any proposed changes to the manual shall be submitted to the Board for approval. Proposed changes shall be submitted as an addendum to the approved manual as part of the Annual Report requirement Part B, Item 1.</p>	<p>O&M Manual required by Part E, Item 6 not received.</p>	<p>Please see Appendix C-7 for the Operation and Maintenance Manual for the Wastewater Treatment Plant.</p> <p>Please see Appendix C-6 for the Operation and Maintenance Manual for the Sludge Management Facility.</p> <p>The West 40 Landfill O&M Manual is being updated as part of the Iqaluit Waste Management Project. The Terms of Reference for the project can be found in Appendix D-9.</p>

E15	The Licensee shall submit an addendum to the manual referred to in Part E, Item 11 that will include details for contaminated soils and hazardous waste, including, but not limited to: types, volumes ultimate disposal, emergency response, thresholds, and maximum amounts accepted to the facility.	Subject of amendment request. Minor issue relating to lack of submission date for the addendum.	The West 40 Landfill O&M Manual is being updated as part of the Iqaluit Waste Management Project. The items outlined in E15 will be addressed in this update. The Terms of Reference for the project can be found in Appendix D-9.
E16	The Licensee shall collect and contain all leachate within the West 40 Landfill.	Subject of amendment request. The existing landfill does not have an impermeable liner. Currently, only runoff can be collected.	In 2009, the City completed a Water Management Improvements Report (see Appendix D-6). In 2011, the City upgraded a problematic section of perimeter berm. Warrantee work is being completed in 2012. See Appendix D-4 for the tender drawings.
E17	At least 90 days prior to any proposed release, discharge or transfer of leachate from the West 40 Landfill, the Licensee shall submit to the Board for approval a report prepared by an Engineer that will include at minimum a discussion of available treatment options, proposed discharge criteria in relation to the proposed discharge location(s) and discharge volumes, and a monitoring programme.	Subject of amendment request. Licensee has issue with submission timing. Licensee requests submitting 5 to 10 days prior to leachate management. May be difficult to modify timing of the report's submission as it requires distribution, comment review, and approval from the Board.	Please see Appendix D-7 the completed report.

Construction (Part F)

License Condition	Requirement	NWB Status as of April 20, 2009	City of Iqaluit Update
F4	The Licensee shall, within 90 days of completion of any structure designed to contain, withhold, divert or retain waters or wastes, submit to the Board for approval, a construction report prepared by an Engineer that shall include as-built drawings, documentation of field decisions that deviate from original plans, and any data used to support these decisions.	Not on file. Also required for culvert installation approved by the Board on October 16, 2007, pursuant to modification requested by Licensee on September 28, 2007.	<p>Please see Appendix A-8 for the construction report with as-built drawings prepared by an Engineer for the culvert replacement.</p> <p>As-built drawings have been submitted with the City's Annual Water License Reports.</p>
F8	The Licensee shall submit to the Board for approval, the final design and drawings by an Engineer, within 30 days of the effective date of the License, for the Lake Geraldine Raw Waster Storage Phase II. The Licensee shall ensure that such facilities are designed and constructed to engineering standards such that at a minimum they comply with the Canadian Dam Safety Guidelines. The Design shall be qualified in accordance with Part F, Item 3	Received as part of updated amendment request of October 8, 2008. May require distribution, expert review and Board approval.	Please see Appendix B-2 for as-built drawings .
F9	The Licensee shall undertake a dam safety review of the Lake Geraldine Raw Water Storage Phase II Upgrade, completed by an Engineer, in accordance with the Canadian Dam Safety Guidelines prior to October 31, 2006. The final report shall be submitted to the Board for review no later than 60 days following the safety review and shall include a cover letter for the Licensee indicating how and when recommendations or deficiencies identified in the safety review will be addressed.	Received as part of updated amendment request of October 8, 2008. May require distribution and expert review.	Please see Appendix B7 for the 2006 Dam Safety Review.

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F10	The Licensee shall submit to the Board for approval, within 30 days of the effective date of the License, a Drainage Improvement and Management Design and drawings prepared by an Engineer for all operations in the West 40 Landfill site. The Design shall be qualified in accordance with Part F, Item 3.	Received as part of updated amendment request of October 8, 2008. May require distribution, expert review and Board approval.	Please see Appendix D-3 for the landfill drainage improvements drawings.
F11	The Licensee shall submit to the Board for approval, within 30 days of the effective date of the License, the Final Design for the West 40 Landfill Northern Expansion and drawings by and Engineer. The Design shall be qualified in accordance with Part F, Item 3.	Received as part of updated amendment request of October 8, 2008. May require distribution, expert review and Board approval.	Please see Appendix D-2 and D-3 for designs.
F12	The Licensee shall submit to the Board for approval, within 60 days of the effective date of the License, the Final Design for the Sludge Management Facility and drawings by an Engineer. The Design shall be qualified in accordance with Part F Item 3.	Received as part of updated amendment request of October 8, 2008. May require distribution, expert review and Board approval.	Submitted to NWB on Oct 8, 2008.
F13	The Licensee shall submit to the Board for approval, within 30 days of the effective date of this License, the Final Design for the Rehabilitation of the West Berm of the Sewage Lagoon prepared by an Engineer, and a implementation schedule for the recommendations of the Dam Safety Inspection (2005). The Design shall be qualified in accordance with Part F, Item 3	Not received (not on file).	Please see Appendix C-8 for the design of the west berm and all associated site reports for the Rehabilitation of the West Berm of the Sewage Lagoon. Please see Appendix C-10 for the City's 2006, 2009, 2011 Sewage Lagoon DSIs).
F14	The Licensee shall submit to the Board for review, within 10 days of the effective date of the License, the Final Design for Phase I of the Wastewater Treatment Plant stamped by an Engineer and qualified in accordance with Part F, Item 3, and as-built drawings.	Not received (not on file).	Please see Appendix C-3 for the Final Design for Phase I of the Wastewater Treatment Plant.

Monitoring (Part I)

License Condition	Requirement	NWB Status as of April 20, 2009	City of Iqaluit Update
I1	The Licensee shall install meters or such devices, or use such methods for measuring the volumes or flow of Water used and Effluent discharge. The meters and measuring devices or methods shall be operated and maintained to the satisfaction of an Inspector.	See 2006 inspection report. Issue with discharge meter.	The Water Treatment Plant and the Wastewater Treatment Plant currently have meters installed to measure the water used and effluent discharged.
I2	The Licensee shall maintain the necessary signs to identify the stations of the Monitoring Program to the satisfaction of an Inspector	See 2006 inspection report. Issue with SNP signage	Please see Appendices B-1, C-1 and D-1 for pictures of signage at the facilities. Signs identifying the Monitoring Program stations are currently in the process of being ordered and will be installed as soon as possible. The NWB will be notified when this is complete.
I4	The Licensee shall submit to the Board for approval a Monitoring Program for the water supply, Wastewater Treatment Plant, and West 40 Landfill site, including the Sludge Management Facilities. The Program shall include, but not limited to, the requirements listed in Schedule C. a. The monitoring program for Lake Geraldine shall be submitted 30 days from the effective date of this License; b. The monitoring program for the Wastewater Treatment Plant shall be submitted 60 days following notification of commissioning; and c. The monitoring program for the entire West 40 Landfill site shall be submitted no later than March 31, 2007.	Received June 27, 2008. Comments submitted by INAC and EC. Plan requires Board approval. Also, sewage sludge monitoring subject of amendment request. Licensee is requesting change to monitoring criteria.	Monitoring Program submitted June 27 th , 2008. Waiting for approval. See Appendix A-4 for the plan submitted. See Appendix A-5 for sampling schedule currently being followed.

I7	The Licensee shall submit to the Board for approval, within 90 days of the effective date of this License, a Quality Assurance/ Quality Control (QA/QC) Plan prepared in accordance with " <i>Quality Assurance (QA) and Quality Control (QC) Guidelines For Use By Class "A" Licensees in Meeting SNP Requirements and for Submission of a QA/QC Plan (INAC, 1996)</i> ".	Not received (not on file).	A QA/QC Plan is currently under development.
I11	The Licensee shall, within 60 days following the month being reported, submit to the Board a "Monthly General Monitoring Report" of all data and information required under Schedule C, including the results of the QA/QC program.	Not received (not on file).	The General Monitoring Program was implemented in 2012. See Appendix A-5 for the current Monitoring Program test dates and Appendix A-6 for the 2012 test results obtained to date.
I12	There should be at least one inspection of all facilities defined within the scope of this license annually between July and September. The Inspector shall submit a detailed inspection report with supporting photographs and sampling results as required under Schedule D to the Board no later than 90 days following the date of inspection	Not received for all years (inspection reports only for 2003 and 2006)	Please see Appendix A-2 for Water Inspection Reports from 2008, 2009, 2010, 2011, 2012.

Abandonment and Restoration

License Condition	Requirement	NWB Status as of April 20, 2009	City of Iqaluit Update
J1	The Licensee shall submit to the Board for review, within 90 days of the effective date of the License, a conceptual Abandonment and Restoration Plan for the West 40 Landfill site prepared in accordance with industry best practices.	Subject of amendment request. Licensee requests an extension.	The Abandonment and Restoration Plan is being completed as part of the Iqaluit Waste Management Project. The Terms of Reference for the project can be found in Appendix D-9.
J3	The Licensee shall submit to the Board for approval, one year prior to expiry of this License or one year before the West 40 Landfill site will reach capacity, a Final Abandonment and Restoration Plan prepared by and Engineer in accordance with industry best practices.	Licensee applied for Landfill expansion. Plans submitted under Part F, Item 11.	The Abandonment and Restoration Plan is being completed as part of the Iqaluit Waste Management Project. The Terms of Reference for the project can be found in Appendix D-9.
J6	The Licensee shall implement the Plan referred to in Part J, Item 1 as and when approved by the Board	Subject of amendment request. Minor issue of wording	
J8	Further to this Part, the Licensee shall submit to the Board for approval 6 months following notification of final closure, a Final Abandonment and Restoration Plan completed by an Engineer in accordance with Part F, Item 3.	Not yet applicable.	