

Licence No. 3AM-IQA0612 – NWB Recommendations Regarding Management Plans Submitted for the City of Iqaluit Water Licence
Application (Commitment No. 5)

No.	Plan/Report Title	Part, Item	Require Review / Approval	Most Recent Version	Recommendations
1	Complete Water Balance for Lake Geraldine prepared by an engineer; Assessment of recharge needs for long-term water demands;	B,3a & b	The licence does not indicate whether approval / acceptance is required	Lake Geraldine Water Balance Assessment Report (Report No. 12-1151-0264)	While aspects of this report will be considered in the context of scope of the current renewal application before the NWB, the report and any additional information precipitated by it during the renewal process for the water licence are expect to play an added role in any potential future amendment being contemplated by the city to augment its water supply.
2	Operation and Maintenance Manual for the Wastewater Treatment Facilities	E,6	Approval	Architectural and Structural Operations & Maintenance Manual; Electrical & Instrumentation Operations & Maintenance Manual; and Process Operation & Maintenance Manual for Iqaluit Waste Water Treatment Plan Conversion & Expansion - Phase 1, Iqaluit, Nunavut	This manual should be revised so as to enable it to be specific and functional to the water licence requirements.
3	Final Assessment of the Sludge Management Pilot Project	E,7	Approval	Iqaluit Sewage Sludge Management Composting Pilot Project Report, 2009	The document is generally consistent with the Licence requirements; however, minor updates may eventually be required to address stakeholders' concerns.
4	Long-term Solid Waste Management Plan that includes options for solid waste disposal and discussion of preferred alternatives and selection of a site for solid waste disposal	E,10	Review	City of Iqaluit Solid Waste Management Plan, January 2014	The document is generally consistent with the Licence requirements; however, minor updates may eventually be required to address stakeholders' concerns

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5	City of Iqaluit Solid Waste Facility Operation and Maintenance Manual (April 2005)”	E,11	Approved under penultimate licence; Implemented under current licence	City of Iqaluit Landfill Operations and Maintenance Manual, January 2014	The manual is generally functional, however; the following are recommended: Section 10.7 should be updated to provide a more comprehensive approach to managing potential landfill fires; the lagoon Operations and Maintenance Manual should be included as an addendum to solid waste facility operatin and maintenance manual to satisfy INAC’s concerns; information related to open burning or incineration should be included as recommended by EC; updates to references applying to the expired licence if a new licence is issued and other relevant changes to reflect operations of the facility.
6	Leachate from West 40 landfill - Report containing treatment options, proposed discharge criteria in relations to proposed discharge locations and discharge volume and a monitoring program	E,17	Approval	West 40 Drainage Management Review, September 2011	The document is generally consistent with the Licence requirements; however, minor updates may eventually be required to address stakeholders’ concerns
7	City of Iqaluit Spill Contingency Plan (Updated 2004)	H,1	Approved under penultimate licence; Implemented under current licence	City of Iqaluit Spill Contingency Plan, Updated November 2004	The plan is generally functional; it was originally approved under the penultimate licence issued to the city as well as implemented under the currently expired licence. The plan should be updated to reflect current operating conditions including measures to manage contaminated soil, landfill fire, etc. In addition, the plan should include an updated site map, sewage lagoon preparedness plan, spill report form, and other relevant information.

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8	Sewage Lift Station Contingency Plan (Dillon 2003)	H,2	Approved under penultimate licence; Implemented under current licence	Spill Contingency Plan, Bionest's Pilot Demonstration in Iqaluit, 2009	The plan is generally functional; it was approved under the penultimate licence issued to the city as well as implemented under the currently expired licence. The plan should be updated if the Bionest Kodiak treatment unit is still being utilized for pilot demonstrations to include current information and operating conditions and an NT-NU spill report form.
9	Monitoring Program for the water supply, Wastewater Treatment Plant, and West 40 Landfill site, including the Sludge Management Facilities that includes monitoring program for lake Geraldine, the waste water treatment plan, entire west 40 landfill site	I,4	Approval	City of Iqaluit Water Licence Monitoring Program, June 2008	Similar to the QA/QC plan mentioned below, this plan should be to be updated or revised to address monitoring requirements that may eventually be agreed upon by stakeholders and included in any renewal licence issued to the city.
10	Quality Assurance/Quality Control (QA/QC) Plan	I,7	Approval	City of Iqaluit Quality Assurance / Quality Control Plan, dated March 2013	The management plan will need to be updated to reflect changes in monitoring that may eventually be agreed upon by stakeholders and included under any renewal licence issued to the project.
11	Conceptual Abandonment and Restoration Plan for the West 40 landfill site	J,2	Review	Iqaluit Solid waste Management Plan, West 40 Landfill Decommissioning Technical Memorandum, January 2014	This plan is generally consistent with the requirements in the licence; however, minor updates may be required to address changes in scheduled operations of the site overtime now that construction of the new solid waste site has been delayed and no longer part of the scope of the current water licence application before the NWB.
12	Final Abandonment and Restoration Plan One year prior to the Licence Expiry of the licence or one year prior to the	J,3	Approval	N/A	N/A

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	landfill meeting capacity				
13	Potable Water Treatment Plant Operations & Maintenance Manual	N/A	Approval	Electrical & Instrumentation Operation & Maintenance Manual; Mechanical Operation & Maintenance Manual; and Process Operation & Maintenance Manual for The Iqaluit Water Treatment Plant	This manual should be revised so as to enable it to be specific and functional to the water licence requirements.