



P.O. Box 119, Gioia Haven, NU XOB 1J0, Tel: (867) 360-6338, Fax: (867) 360-6369



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment PHC Decision

- List of issues to be dealt with at the Public Hearing;
- Desirability of amending the Renewal and Amendment Application for the purpose of clarification;
- Procedures for the Public Hearing; and
- Identification of any other matters that may assist in the simplification and disposition of the Public Hearing.

Introduction and Registration

The following parties registered and attended the TM/Community Session/PHC in Iqaluit:

- City of Iqaluit (the City or Applicant);
- Indigenous and Northern Affairs Canada (INAC) formerly Aboriginal Affairs and Northern Development Canada (AANDC);
- Environment and Climate Change Canada (EC) formerly Environment Canada;
- Department of Fisheries and Ocean Canada (DFO)

The Board also held a Community Session on the evening of Wednesday, January 13, 2016. Although there were very few community members in attendance, representatives from the Government of Nunavut Community and Government Services did attend the evening sessions and posed some questions about the Application. Section 5.0 of this Report provides a summary of the questions, comments and issues raised by parties other than the formal interveners during the TM/Community Session/PHC. The listing of attendees at the TM/Community Session/PHC held in Iqaluit (summarized from the sign in sheets recorded at these sessions) is attached as Appendix B to this Report.

1.0 The Application Before the Board

The Application being considered by the Board was filed by the City of Iqaluit (the City or the Applicant), in 2012, and was amended several times from 2012 to 2015 seeking renewal and amendment of the expired licence. The prior water licence authorizing the use of water and deposit of waste associated with the City of Iqaluit’s Municipal Undertaking (as now defined under the *Nunavut Waters Regulations*¹) was originally set to expire in 2011, but the City was granted an extension under emergency circumstances until 2012 and the Licence No. 3AM-IQA0611 was renamed 3AM-IQA0612 to denote the one year extension of the term. On July 15, 2012, Licence No. 3AM-IQA0612 expired and the term was not extended (the Expired Licence).

¹ SOR/2013-69.



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment PHC Decision

On October 2, 2012, the City submitted a partially complete application to renew and amend Type “A” Water Licence No. 3AM-IQA0612 (the Renewal and Amendment Application). Due to several factors, including: delays in providing all the information required to constitute a complete application; various deficiencies and changes to the scope of the Renewal and Amendment Application; delays associated with the exchange and refinement of information required by the Board and interveners reviewing the Application; and delays in meeting the pre-licensing processes of the Nunavut Impact Review Board, the renewal process for the Expired Licence remained ongoing from October 2012 to March 2015. During that time, the City submitted several requests to amend the scope of its Renewal and Amendment Application and provided a number of amended, revised and new submissions in support of the Renewal and Amendment Application.

On March 2, 2015, the City provided confirmation of the submissions and scope for the Type “A” Water Licence No. 3AM-IQA0612 Renewal and Amendment Application. Appendix C provides a listing of the specific information provided with the Application, all of which is available from the Nunavut Water Board’s public registry at the following link:

<ftp://ftp.nwb-oen.ca/1%20PRUC%20PUBLIC%20REGISTRY/3%20MUNICIPAL/3A/3AM%20-%20Municipality/3AM-IQA0612/1%20APPLICATION/2012%20Renewal/>

On November 13, 2015, the Applicant provided responses to the comments provided by Intervenors in the context of their completeness review.

On January 11, 2016 the Applicant provided the Board with the presentation materials that were presented by the City at the Technical Meeting and the Community Information Session.

Since the Technical Meeting, the Applicant has provided several additional documents as set out in the List of Commitments provided in Appendix D of this PHC Report.

Scope of the Type “A” Renewal and Amendment Application

The application filed with the NWB by the City (the Renewal and Amendment Application) is for the renewal of, amendments to, and updates to the Expired Licence, Type “A” Water Licence No. 3AM-IQA0612 issued to the City in 2006. A summary of the original scope, revised scope, and current scope of the Renewal and Amendment Application is provided below:



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

1. Original Scope:

- Upgrade, operation and eventual decommissioning of the water treatment plant and other associated systems that supply water extracted from Lake Geraldine for municipal use;
- A proposed maximum annual withdrawal of 1,100,000 m³;
- Upgrade, operation and the eventual decommissioning of the infrastructure for managing wastewater at the existing West 40 wastewater treatment plant and backup sewage lagoon;
- Operation and eventual decommissioning of the solid waste management facility at the existing West 40 landfill and associated infrastructure; and
- Additional activities as set out in the appendices required to support the application.

2. Additions to the Original Scope:

- Construction, Operation, and the Eventual Decommissioning of a New Solid Waste Management Facility Approximately 7.5 km northwest of the City Centre;
- Extension of the term of the Expired Licence from the original 5 year term to a term of 25 years;
- Include an additional location for water extraction to supplement the withdrawal of water from Lake Geraldine;
- Change monitoring program requirements by removing testing requirement for Stations IQA-01, IQA-03, IQA-05, IQA-07 and IQA-09; and
- Remove water testing/monitoring requirement for chlorinated paraffins (wastewater treatment plant influent and effluent) and LC50 bioassays.

The Renewal and Amendment Application also included requests for updates and amendments to specific Terms and Conditions of the Expired Licence, such as the following:²

- Revision to Part E, Item 3(b), requesting that the term and condition be reworded as follows: “All discharges by the licensee from the wastewater treatment plant at Monitoring Station Number IQA-02, shall upon commissioning of Phase 2 of the project, comply with the following effluent criteria.”
- Revision to Part E, Item 4, requesting that the term and condition be reworded as follows: “Undiluted effluent shall, upon commissioning of Phase 2 of the wastewater treatment plant upgrade project, be non-acutely toxic under the “Rainbow Trout”...”

² For a detailed listing of the requested changes, please see the correspondence from the City of Iqaluit to the NWB, Re: City of Iqaluit License No. 3AM-IQA0611 Renewal Application Addendum, dated September 27, 2013.



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

- Revision to Part E, Item 5, to correct a typographical error in the Expired Licence to replace “Item 20 and 21” with “Items 18 and 19”.
- Revision to Part E, Item 16, requesting that the term and condition be reworded as follows: “the licensee shall use berms and on-site detention ponds to collect and manage all surface runoff from within the West 40 landfill and ensure that it does not come into contact with clean surface water originating from outside landfill.”
- Revision to Part J, Item 6, requesting replacement of the word “implement” with the word “adopt”.
- Addition to the scope of the Expired Licence under Part A, Item 1(a) “Water use” to include Supplementary Water Supply from Apex River.
- Addition to the scope of the Expired Licence under Part A, Item 1(a) “Solid Waste Management”, to include development of a new Solid Waste Management Site and Facility as per the City’s Solid Waste Management Plan.
- Removal of chlorinated paraffins from the Site Specific Test Group in Table 1 in Schedule C of the Expired Licence.
- Removal of the requirement for LC 50 Bioassay analysis under the Site Specific Test Group required at station IQA-05 in Table 2 in Schedule C.

The Applicant has indicated that the requested changes are intended to meet the immediate water supply and solid waste management needs of the community. Additionally, the City indicates that the requested changes will provide clarity on the regulatory submissions that will be required to proceed with the construction and operation of new components of municipal water and waste infrastructure that have been proposed.

Following the Technical Meeting and Pre-hearing Conference, in response to requests of the Interveners and the NWB, and in keeping with a commitment by the City of Iqaluit, on January 22, 2016 the City submitted a supplemental document that set out the final scope of the licence being sought by the City in the Renewal and Amendment Application as set out in the text that follows.

Final Scope of the Renewal and Amendment Application As Defined by the Applicant in January 2016:

1. Maximum annual withdrawal of 1,100,000 m³ from Lake Geraldine to the City of Iqaluit Water Treatment Plant;



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

2. Upgrade, operation and the eventual decommissioning of the infrastructure for managing wastewater at the existing West 40 Wastewater Treatment Plant and backup Sewage Lagoon;
3. Operation and the eventual decommissioning of the infrastructure for managing surface water run-off at the solid waste management facility at the existing West 40 Landfill;
4. Changes to the Monitoring Program (as provided by the City on February 5, 2016 in accordance with the List of Commitments attached as Appendix D to this Report); and
5. Request for the length of the term of the amended and renewed Licence to be ten (10) years.

Items Withdrawn from the Scope:

1. Construction, operation and the eventual decommissioning of surface water management infrastructure associated with a new solid waste management facility approximately 7.5 kilometres northwest of Iqaluit City Center;
2. Construction, operation and the eventual decommissioning of an additional location for water extraction to supplement Lake Geraldine from Apex River; and
3. Construction, operation and eventual decommissioning of a new quarry.

The Expired Licence

On July 25, 2006, the Type “A” Water Licence No. 3AM-IQA0611 (this was the number of the Licence as it was originally issued in 2006 with a 2011 expiry date), was issued by the Nunavut Water Board (NWB or Board) to the City to use water and deposit waste in relation to a Municipal Undertaking (the Expired Licence). The Expired Licence authorized the use of water for municipal purposes from Lake Geraldine to a maximum volume of 1,100,000 m³ per year, solid waste management at the West 40 landfill, and wastewater management at the West 40 wastewater treatment plant and backup sewage lagoon.

The scope of the undertaking described in Part A, Item 1 of the Expired Licence, included the following components (note capitalized items represent defined terms in the Expired Licence):



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

- **Water Use**

- Use, management and protection of the Lake Geraldine drainage basin;
- Raising of the Lake Geraldine dam by 2.0 m to meet over-winter storage capacity;
- Extension of the two berms adjacent to the Lake Geraldine dam and construction of a new berm to the south of the Lake Geraldine dam;

- **Solid Waste Management**

- Landfill expansion into the northern adjacent site in the West 40 Landfill site;
- Management and protection of waters surrounding the West 40 Landfill site;
- Management, collection, and monitoring of leachate from the West 40 Landfill site and adjacent Sludge Management Facility;
- Improved drainage works at the West 40 Landfill site;
- Management and operation of current and future solid waste facilities;
- Closure and restoration of current landfills and waste disposal sites;

- **Wastewater Management**

- Upgrading, maintenance, operation and monitoring of the Sewage Lagoon;
- Construction, operation, maintenance and monitoring of a Wastewater Treatment Plant;
- Construction, operation, maintenance, and monitoring of a Sludge Management Facility;
- Closure and restoration of the Sewage Lagoon; and
- Contingency measures for wastewater and landfill management.

Type “A” Water Licence No. 3AM-IQA0611 was originally set to expire on May 15, 2011; however, shortly before the Licence expired, the City applied for an emergency amendment to extend the term of the licence until July 15, 2012. The emergency circumstances outlined by the City at that time included the need for the City to discharge wastewater from the sewage lagoon during the summer. The Board granted the emergency amendment on May 13, 2011, which was subsequently approved by the Minister of Aboriginal Affairs and Northern Development Canada (as he then was, the Ministry has since been renamed and is now Indigenous and Northern Affairs Canada) on June 17, 2011. To reflect the revised expiry date, the Board renumbered the licence and following the grant of the extension, the licence became No. 3AM-IQA0612.

It should be noted that when the Minister approved the emergency amendment, the Minister expressed concerns about the use of the emergency amendment to help the City fulfill its obligations to enter into a full renewal process prior to the expiry of the Licence and urged the City to proceed with a renewal as soon as possible during the 14 month extension.

In 2012, the City again applied to amend the expiry of Licence No. 3AM-IQA0612 on an emergency basis. On July 20, 2012, the Board refused the emergency amendment request and on



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment PHC Decision

July 15, 2012, the Type “A” Water Licence 3AM-IQA0612 expired. However, as set out in s. 46 of the NWNSTRA,³ the City, as the former licensee continues to be bound by the outstanding obligations under the Licence, but has been without an active operating Licence since July 2012.

2.0 Procedural History

Licence History

Both the Northwest Territories Water Board (the previous water licensing authority in the Territory) and subsequently the Nunavut Water Board previously issued water licences to the City of Iqaluit to authorize the water use and waste deposit associated with this Municipal undertaking.

Licence issued by the Northwest Territories Water Board

Licence No N5L3-0087

This Licence was issued by the Northwest Territories Water Board to the City of Iqaluit on February 23, 1996 and allowed for the use of water and deposit of waste in support of a Municipal Undertaking.

Licences Issued by the Nunavut Water Board (NWB)

Licence No NWB3IQA9900

This Licence was issued by the Nunavut Water Board to the City of Iqaluit on December 31, 1999 and expired on December 31, 2000 and allowed for the use 1,100,000 m³ of water annually and the deposit of waste in support of a Municipal Undertaking.

Licence No. NWB3IQA0103

This Licence was issued by the Nunavut Water Board on January 1, 2001 and expired on December 31, 2003 and allowed for the use 1,100,000 m³ of water annually and the deposit of waste in support of a Municipal Undertaking.

³ Section 46 states:

The expiry or cancellation of a licence does not relieve the holder from any obligations imposed by the licence.



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

Licence No. NWB 3AM-IQA0611, Renumbered to 3AM-IQA0612

This Licence was issued by the NWB on May 15, 2006, with the expiry date set for May 15, 2011 and which allowed for the use 1,100,000 m³ of water annually and the deposit of waste in support of a Municipal Undertaking. Prior to expiry of the licence, the City requested an extension to the licence term, which was granted on May 13, 2011 and the expiry date of the Licence was extended to July 15, 2012 and the Licence was renumbered to 3AM-IQA0612 when the extension was granted.

Pre-Licensing Requirements Associated with the Application

NPC

October 5, 2012

The Nunavut Planning Commission (NPC) issued written confirmation that the project falls outside the boundaries of the two approved land-use plans administered by the NPC.

August 12, 2015

The Nunavut Planning Commission issued correspondence to the City of Iqaluit indicating that a project proposal must be submitted to the NPC for project carried out in whole or in part in the “designated area”.

August 28, 2015

The Nunavut Planning Commission indicated that it understands that the NIRB issued approval for the proposal in 2014 and that there has been no modification to the project subsequent to that. Consequently, the NPC is not required to undertake a review.

NIRB

November 3, 2014

The Nunavut Impact Review Board (NIRB) issued a 12.4.4 (a) screening decision confirming that the Proposal may be processed without a Part 5 or 6 review and outlining the project specific terms and conditions attached to the NIRB’s approval.

The Procedural History for the Renewal and Amendment Application

The following includes a brief overview of the procedural history for the Renewal and Amendment Application. It should be noted that the following list captures only the major procedural steps associated with the Renewal and Amendment Application. All documentation and the complete history of the NWB component of the licensing file are available from the NWB’s ftp site at the link provided in Section 1.0 of this decision.



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment
PHC Decision

April 24, 2011

The City requested to amend, on an emergency basis, the term of the Nunavut Water Board Licence No. 3AM-IQA0611 to extend the expiration date of the licence from May 15, 2011 to July 15, 2012

June 17, 2011

The Minister agreed to the City's request for an emergency amendment to the Licence to extend the expiration date to July 15, 2012. The Licence is renumbered to reflect the 2012 expiry and becomes Licence No. 3AM-IQA0612. Although the Minister approved the amendment to the Licence, he expressed concerns about the use of the emergency amendment to help the City fulfill its obligations to enter into a full renewal process prior to the expiry of the Licence and urged the City to proceed with a renewal as soon as possible during the extension

July 13, 2012

The City requested to amend the expiry of the licence once again on an emergency basis, proposing to extend the expiry from July 15, 2012 to September 15, 2013

July 15, 2012

Licence No. 3AM-IQA0612 expired. Although continuing to be bound by the outstanding obligations under the Licence, the City has been without an active operating Licence since 2012

July 20, 2012

Noting the prior concerns of the Minister, and finding that the City's situation did not properly constitute an emergency amendment request, the Board rejected the request to extend the term of the expired licence

October 2, 2012

The City submitted a Renewal and Amendment Application for Type "A" Water Licence No. 3AM-IQA0612

October 5, 2012

NWB received a copy of the Nunavut Planning Commission's (NPC) determination that the project/undertaking falls outside the boundaries of the two approved land-use plans administered by the NPC

October 12, 2012

NWB acknowledged receipt of an Application to renew and amend the City of Iqaluit's water licence

October 29, 2012

NWB acknowledged receipt of the City's water licence Application fees



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment
PHC Decision

November 21, 2012

NWB requested that the City of Iqaluit cancel, withdraw or provide guidance on the 2006 amendment application previously filed with the Board

April 8, 2013

NWB issued correspondence that identified that there were a number of outstanding information requirements for the Application that were required by the Board before the Renewal and Amendment Application could be considered complete and the technical review period could commence

July 5, 2013

NWB and the City of Iqaluit held a teleconference to discuss matters related to the application including addressing the outstanding information requirements

July 8, 2013

NWB issued correspondence outlining the commitments made by the parties during the teleconference held with the City of Iqaluit on July 5, 2013

July 25, 2013

NWB received a copy of the City of Iqaluit's correspondence to the NIRB, which outlined the timelines by which the City intended to submit outstanding information required by the NIRB to enable the NIRB to complete its assessment of the Renewal and Amendment Application

September 27, 2013

NWB received an addendum to the Renewal and Amendment Application from the City

October 21, 2013

NWB further acknowledged receipt of the Renewal and Amendment Application and commenced a preliminary technical review and completeness check with the deadline for submission set for November 8, 2013

November 8, 2013

NWB received a submission on completeness from Aboriginal Affairs and Northern Development Canada (AANDC as it then was, now Indigenous and Northern Affairs Canada)

December 11, 2013

NWB issued follow-up correspondence to the City regarding outstanding requirements while informing the City of its commitment to address those requirements

January 31, 2014

NWB received from the City some, but not all, of the outstanding documentation required to complete the Renewal and Amendment Application



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

**January to
November, 2014**

NWB suspended further processing of the Renewal and Amendment Application until the NIRB process was completed and all of the outstanding information requirements under the water licence application process were addressed

November 3, 2014

NIRB issued a 12.4.4(a) Decision indicating that subject to the specified terms and conditions, the project proposal may be processed without a review under Part 5 or 6 of the NLCA

March 10, 2015

Following the receipt of additional information, NWB issued acknowledgement of the Renewal and Amendment Application and commenced another preliminary technical review and completeness check for the application

April 15, 2015

NWB received submissions on completeness from INAC and EC on or before the April 15, 2015 deadline

May 28, 2015

NWB issued notice and commenced full technical review of the Application

July 10, 2015

NWB received technical review submissions from INAC, DFO, and EC on or before the extended deadline for submissions

July 23, 2015

NWB received correspondence from the City of Iqaluit indicating that the City would only be able to respond to Intervener's comments by November 13, 2015

November 13, 2015

The City of Iqaluit provided its response to INAC, EC, and DFO technical review comments;

November 27, 2015

Indigenous and Northern Affairs Canada (now INAC formerly AANDC) provided additional comments regarding the City of Iqaluit's response to INAC's information requests

December 4, 2015

NWB distributed notice of the City of Iqaluit TM-PHC, including a draft agenda;

December 11, 2015

DFO provided additional comments related to the City of Iqaluit Application, TM, Community Session and PHC

December 14, 2015

INAC provided a second reply to comments on the Renewal and Amendment Application;



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

December 14, 2015

NWB distributed the final agenda for the Technical Meeting, Community Session, and Pre-Hearing Conference in respect of the Renewal and Amendment application

January 11, 2016

NWB received copies of TM-PHC Presentations from the City of Iqaluit, INAC, EC and DFO

January 13, 2016

The Technical Meeting and Pre-Hearing Conference conducted by the NWB took place to discuss technical review comments associated with the Renewal and Amendment Application

January 13, 2016

The NWB hosted the Community Session part of the TM/PHC, with presentations by the NWB, the City of Iqaluit, INAC, EC and DFO

January 14, 2016

The PHC segment of the TM/PHC took place to discuss technical comments of the City of Iqaluit Water Licence Renewal Application.

3.0 Technical Review Comments Received by the Board

Prior to the Technical Meeting and Pre-hearing Conference two opportunities for comment on the Renewal and Amendment Application were provided. The Board's first request for comments requested parties to consider whether the Application was complete and to identify any outstanding issues that should prevent the Board from continuing to process the Application. This comment period closed on April 15, 2015 (reflecting a request from Environment Canada (as it then was, the Ministry is now Environment and Climate Change Canada) to extend the deadline from March 31, 2015 to April 15, 2015). The second comment period requested parties to file substantive technical review comments on or before July 10, 2015 (as requested by Environment Canada this deadline was extended from June 30, 2015 to July 10, 2015). The sections that follow outline the comments provided during these comment periods and also reflect comments provided to the Board staff in advance of the Technical Meeting/Pre-hearing Conference.

Aboriginal Affairs and Northern Development Canada now Indigenous and Northern Affairs Canada (INAC)

INAC administers Crown land and resources and enforces regulatory permits affecting land and water resources in Nunavut, including enforcing the provisions of the Expired Licence. Reflecting INAC's responsibilities and jurisdiction, the following key issues were highlighted in



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

INAC’s initial comment submissions on the completeness of the Application and also in their technical review comment submissions:

- Monitoring Requirements
 - Testing for chlorinated alkanes
 - Testing for LC50 bioassays at IQA-02 and IAQ-04
 - Testing for influent wastewater at IAQ-05
 - Sampling frequency
 - Monitoring of Lake Geraldine water levels
- Operation Manuals / Management Plans
 - Quarry Management Plan is required
 - Sewage Lagoon Operation and Maintenance Manual is required
- Wastewater Treatment Criteria
 - Un-ionized ammonia criteria/design objective
- Landfill leachate & runoff treatment
 - Plans for constructed ponds
 - Disposal of retention pond sludge
 - Specifications of holdings basins
 - Source of discharge criteria
 - Sampling frequency for treatment batches
 - Report to be signed by Professional Engineer registered in Nunavut
 - Monitoring station downgradient of leachate catchment pond
- Additional Information
 - Proposed design criteria for the upgraded wastewater treatment plant
 - Two operation/management plans for the treatment of landfill runoff
- Licence term
 - Maximum 5 years



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

Department of Fisheries and Oceans Canada (DFO)

DFO is responsible for regulating coastal and inland fisheries as well as administering habitat and serious harm provisions under the Federal *Fisheries Act*. Reflecting DFO’s responsibilities and jurisdiction, the following key issues were highlighted in DFO’s initial comment submissions on the completeness of the Application and also in their technical review comment submissions:

- Water Withdrawal
 - Increased water use of the City of Iqaluit
 - Concern about increased level of water withdrawal from Lake Geraldine
 - Lack of information about annual lake recharge rate
 - Potential diversion of Apex River
 - Potential impacts to fish communities and habitat in Lake Geraldine and Apex River
- Outflow Stream
 - Lake Geraldine is damned and potential impacts of flows to outlet stream
 - If Apex River water is diverted into Lake Geraldine
 - Mixing of fresh-water and ocean water and potential impacts to Arctic Char
- Winter Water Withdrawal from Lakes and Streams in NWT and Nunavut
 - Under ice water volume
 - Fish Screen
- Climate Change
 - Impacts to lake level or flow records
- Monitoring
 - Monitor lake levels and stream flows
 - Mitigation measures and adaptive management plans

Environment Canada now Environment and Climate Change Canada (EC)

The focus of EC’s involvement in respect of the Application is based on their jurisdiction under the *Canadian Environmental Protection Act, 1999*, the *Species at Risk Act* and EC’s jurisdiction under the pollution prevention provisions of the *Fisheries Act*. The following key issues were



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

highlighted in EC’s initial comment submissions on the completeness of the Application and also in their technical review comment submissions;

- Status of the Solid Waste Management Plan actions
 - Implementation issues
- Clarify plans for Use of Incineration
- Management Plans and Operation Manuals
 - Status of Management plan for the new solid waste site and closure plans for the West 40 Landfill decommissioning
 - Landfill Operation and Management Manual for Northwest Landfill site is required
- Landfill Runoff Management System
 - Management of contaminated sediments from the landfill retention ponds following discharge of treated runoff
 - Land fill runoff treatment residuals
 - Contaminated pond bottom sediments
- Development of a Wastewater Management Plan
- Effluent quality criteria for municipal wastewater
 - Effluent quality at the end of the treatment system should strive to meet or exceed the *Wastewater Systems Effluent Regulations SOR/2012-139 Fisheries Act Registration 2012-06-29*
- Implementation of secondary treatment of sewage
- Licence term
 - Maximum of 5 years.

4.0 Technical Meeting (TM)

The TM for the Application was held in person in the nearest community, Iqaluit, Nunavut, all day on January 13, 2016 and the morning of January 14, 2016. As is the Board’s practice, the TM was an informal meeting and was chaired by the Board’s Director of Technical Services. The meeting was attended by the Board staff, the Applicant, Interveners and community members. It should also be noted that, as is the Board’s normal practice, the Panel Members of



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

the Board (P6 or the Panel), the decision-makers for the Renewal and Amendment Application, were not present at the TM, the Community Session or the subsequent Pre-hearing Conference (PHC) having delegated the conduct of these meetings to the Board’s staff.

At the commencement of the TM the objectives of the meeting were outlined by the NWB’s Director of Technical Services as follows:

- Examine technical data and other materials submitted as part of the Renewal and Amendment Application, including Interveners’ submissions that the Board had received to date for the Application;
- Informally discuss and resolve – to the extent possible –, any technical matters / issues raised between Interveners and the Applicant, particularly those matters that could affect the Board’s determination of any PHC issues, in advance of the PHC;
- Provide an opportunity for the Applicant and Interveners to identify for the Board the issues and concerns that have been resolved and to discuss any unresolved or ongoing issues related to the Renewal and Amendment Application;
- Identify opportunities for streamlining the issues and process so as to eliminate existing or potential duplication or delay; and
- Document any commitments made by the various parties involved in the TM, with the aim of carrying forward those commitments to the PHC.

The TM participants were advised that upon completion of the TM, the Board expected any outstanding issues in respect of the Application would be resolved, or if not resolved, that some form of agreement, including commitments by the parties would be provided by the parties to enable the Renewal and Amendment Application to proceed to the next step of the licensing process, the Pre-Hearing Conference, notwithstanding any unresolved issues.

At the completion of the TM it was confirmed by all participants that there were no outstanding issues that would prevent the Board from moving forward to a Public Hearing in respect of the Renewal and Amendment Application. During the TM there were several commitments made by other parties as well and these commitments have been summarized in the Commitment List provided in Appendix D and attached to this Report. For the convenience of the parties, where commitments made by the Applicant will result in the submission of additional or updated documentation, the Board has provided a summary listing of the List of Commitments in Appendix D attached to this Report.



5.0 Community Session

The NWB hosted a Community Session regarding the Renewal and Amendment Application on the evening of January 13, 2016. As set out in the Agenda for the Community Session provided in Appendix A of this PHC Report, the Community Session commenced with an overview of the NWB process by the Board’s technical staff, an overview of the Renewal and Amendment Application provided by the Applicant, and short presentations summarizing their technical review comments from the Interveners, Indigenous and Northern Affairs Canada (INAC), Environment and Climate Change Canada (EC), and the Department of Fisheries and Ocean (DFO).

The session concluded with a question and answer session during which community members from Iqaluit were invited to ask questions of the Applicant, Interveners and the Board staff and express their concerns and provide comments with respect to the Application. Table 1 that follows provides a summary of the comments, issues and concerns expressed by parties other than the Interveners in attendance throughout the TM/Community Session/PHC.

Table 1 Key Issues as Raised by Community Members

Topic	Issues/Concerns/Comments
Amendments to the Licence in Future	If the Board were to grant a 25 year term, would changes to the Licence (such as adding another landfill or changing the water source) require the City to get an amendment and go through a Public Hearing, or would those kinds of changes be included under the scope of a 25 year Licence?
Public Participation in the Public Hearing	Recommended to the NWB and the City that they ensure that advertising on television, radio, social media and posters at various places in the City precede the Public Hearing to make sure that citizens are aware of the dates and location of the Public Hearing and are clearly invited to participate (especially during the Community Session).
Scope	Does the scope of this application currently include a new landfill, an additional quarry and the additional of the Apex River as an alternate water source?

6.0 Pre-Hearing Conference (PHC)

As the parties confirmed at the conclusion of the Technical Meeting that there were no outstanding issues that would prevent the Renewal and Amendment Application from



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment PHC Decision

proceeding to the next step in the licensing process, a Public Hearing, the Board's staff proceeded to the PHC portion of the Agenda on January 14, 2016.

The PHC was chaired by the Board's Executive Director, with the same parties in attendance as those who had participated in the TM. The purpose of the PHC was to discuss the various matters as set out in Rule 14 of the Nunavut Water Board's Rules in preparation for the Public Hearing. Specifically, Rule 14 directs that the following matters be addressed through the PHC:

- To set a timetable for the Pre-Hearing exchange of information;
- To finalize the list of issues to be dealt with at the Hearing;
- To identify interested parties;
- To consider the desirability of amending the Application for the purposes of clarification;
- To finalize procedures to be followed in the Hearing; and
- To consider any other matters that may aid in the simplification and disposition of the application at the Hearing.

Timetable for Pre-Hearing Exchange of Information

It was noted at the beginning of this discussion that, as required by s. 55(2) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, S.C. 2002, c. 10 (NWNSRTA), the NWB must give the public and parties a minimum of sixty (60) days' notice in advance of a Public Hearing.

The Applicant and Interveners in attendance were polled regarding any outstanding information requirements that must be supplied in advance of a Public Hearing and indicated, that as outlined in the commitments provided in Appendix D the preparation and submission of additional information is not expected to delay a potential Public Hearing.

On this basis, the Board has established a proposed timetable for the pre-hearing exchange of information as set below. However, the Board reserves the right to revisit the timing set out below in the event that parties are unable to meet the deadlines established in the list of commitments, in response to the requests of the parties, the community, or as may subsequently be considered to be necessary by the Board. In establishing the following schedule, the Board recognizes that with a slight delay in the issuance of the PHC Decision and existing Public Hearing commitments for the Interveners during the week of April 25-29, the earliest dates for a two day in person Public Hearing will be some time during the week of May 2-6, 2016. Unless modified as outlined above, the Board requires the participants to observe the following timetable:



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

- On or before **February 26, 2016** the NWB will issue Notice of the Public Hearing;
- All further and final written submissions to be provided by Interveners must be filed with the Board on or before **March 30, 2016**;
- All further and final responses of the Applicant to the information filed to date must be filed with the Board on or before **April 13, 2016**;
- Any presentations (e.g. PowerPoint Presentations, etc.) upon which anyone intends to rely at the Public Hearing must be filed with the Board on or before **April 20, 2016**;
- If the Interveners and/or the Applicant file additional written submissions, final responses and presentation materials as outlined above, they are also required to provide **an Executive Summary of their written submissions in English, Inuktitut and French. Fully translated copies of their presentation materials or final responses in English, Inuktitut and French at the same time** as they file their presentation materials; and
- The Board requires any party requesting that the Board provide simultaneous French translation at the Public Hearing to make such requests to the Board in writing **on or before March 30, 2016**.

All submissions will be posted on the NWB’s ftp-site (<ftp://ftp.nwb-oen.ca/>) and in the public registry upon receipt. A copy of the public registry as it relates to the Application will be available for review at the Public Hearing.

Identification of Interested Parties

During the PHC, the following parties confirmed their participation and attendance at the Public Hearing:

- The Applicant, the City of Iqaluit;
- Indigenous and Northern Affairs Canada;
- Department of Fisheries and Ocean;
- Environment and Climate Change Canada.

Further, the parties indicated that in addition to the general public notice, a specific invitation to the Public Hearing should be extended to the Amarok Hunters’ and Trappers’ Organization.

Provision of Final Written Submissions from Interested Parties

Any additional information that the parties wish the Board to consider during their review of the Renewal and Amendment Application must be filed with the Board in advance of the Public



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

Hearing and in accordance with the timelines outlined above under the heading “Pre-hearing Exchange of Information”.

List of Issues

The intervening parties in attendance at the TM/PHC confirmed that none of the issues for discussion associated with the Renewal and Amendment Application and the related information requirements should prevent the Board from proceeding with the Public Hearing.

At the end of the TM, the parties reviewed the following list of items for discussion at the Public Hearing and agreed that, subject to the addition of issues that may arise during their review of the additional information exchanged in advance of the Public Hearing, the following topics should be items for discussion at the Public Hearing:

1. Scope of the Licence
 - Not including a new quarry, new landfill and alternative water source (Apex River) at this time
 - Amendments to original scope of 3AM-IQA0612 to reflect current site conditions (including the completion and/or reclamation of existing structures)
2. Term of Licence (10 year term now sought by Applicant)
3. Plans for future use of emergency measures infrastructure (including projected water treatment, discharge of treated water and management of residuals)
4. Compliance
 - Status
 - Consequential amendments
5. Discussion of general amendments and revisions to terms and conditions of the expired Licence
6. Fisheries issues
 - Lake Geraldine and stream
7. Management Plans and Reports
 - Content of plans
 - Updates to plans
 - Approval of plans
8. Monitoring Program
 - Updates
 - Amendments



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

- New Requirements

9. Closure and Reclamation Planning

- Updates to Abandonment and Restoration Plans
- Sediment Management in run off management ponds (including establishing depth of sediment and sediment quality) in existing ponds

Changes to the Application for the Purposes of Clarification

The parties and the NWB identified that the submission of a document to confirm the final scope of the Renewal and Amendment Application would greatly aid in clarifying the current application. This document was submitted on January 22, 2016 by the City and has been incorporated into the discussion of the scope of the Renewal and Amendment Application. In addition, the parties and the NWB agreed that a summary of amendments to the Expired Licence identified as necessary by the City of Iqaluit to reflect current operating conditions would be useful and may aid in the review of the Application. No further changes to the Application were identified by the parties as necessary for the purposes of clarification.

Procedures for the Public Hearing

Parties were asked for their views with respect to the form of the Public Hearing (written, teleconference or in-person). Recognizing the importance of public engagement in this phase of the project’s licensing, the Applicant favored an in person public hearing. INAC identified that the Public Hearing should be conducted in person to ensure that community members are provided with an opportunity to publicly engage in the licensing process. EC and DFO indicated that they had no recommendations regarding the form of Public Hearing but would participate in the Public Hearing in any form determined by the Board to be appropriate.

Members of the public in attendance favored an in person Public Hearing in the City of Iqaluit and indicated that better advertising of the event in advance of the Public Hearing should be conducted using a variety of means in order to ensure a better turn out.

Given the likely public interest in the Renewal and Amendment Application, including updates in the status of compliance with NWB licence requirements and changes to the Expired Licence required to reflect the current and future operating status of the undertaking, the NWB Board Panel P6 has determined that it is most appropriate for the Board to hold an in-person Public Hearing for the Application.

With respect to the location of the Public Hearing, on the basis that the City of Iqaluit is obviously the most directly affected community, the Board’s Panel, P6 decided, by Motion #



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

2015-28-P6-04 on February 16, 2016 that an in person Public Hearing should be held in the City of Iqaluit.

At present, based on the time commitments outlined in the discussion of the exchange of documents set out above, the List of Commitments and prior scheduled public meetings and hearings for the parties, including the existing NWB schedule, the Public Hearing is tentatively scheduled for the week **of May 2-6, 2016**.

Please note, these dates are subject to final confirmation by way of the Public Notice to be issued on or before February 26, 2016. However, the Board reserves the right to adjust this schedule if Hearing logistics dictate, if the documentation required to be supplied in advance of the Public Hearing has not been provided as required or if the Board otherwise determines that rescheduling is required.

The parties have confirmed that they do not anticipate that any deviations from the Board’s *Rules of Practice and Procedure* (May 2005) (Rules), will be required, and as such, the Board directs all parties that the Public Hearing will be conducted in accordance with Parts III and IV of the Board’s Rules.

Measures to Simplify the Disposition of the Application

No measures to simplify the disposition of the Application were identified at the PHC.

Steps following the Public Hearing

When the Panel has reached a decision, typically within thirty (30) to forty-five (45) days of the close of the Hearing Record, the Board will issue its Record of Proceedings and Decision to the Minister of Indigenous and Northern Affairs Canada. If the Panel recommends that a renewed licence should be granted, a draft Water Licence would also be provided for the Minister’s consideration along with the Record of Proceedings and Decision.



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and
Amendment
PHC Decision

If you require additional information regarding this Application or have technical questions, please contact the Senior Technical Advisor for the file, Sean Joseph, sean.joseph@nwb-oen.ca. If you have more general questions regarding the Board’s processing of this Application, please do not hesitate to contact the NWB’s Director of Technical Services, David Hohnstein, david.hohnstein@nwb-oen.ca. For any administrative matters related to the Public Hearing, please contact the NWB’s Acting Manager of Licensing, Karén Kharatyan, at licensing@nwb-oen.ca.

Regards,

Stephanie Autut
Executive Director
Nunavut Water Board

Attachments:

- Appendix A: Technical Meeting, Community Session and Pre-Hearing Conference Agendas
- Appendix B: Summary Listing of Attendees at the Technical Meeting, Community Session and Pre-Hearing Conference
- Appendix C: List of Application Submissions
- Appendix D: List of Commitments Generated during the Technical Meeting/Pre-Hearing Conference



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

APPENDIX A: AGENDAS

TECHNICAL MEETING, COMMUNITY SESSION AND PRE-HEARING CONFERENCE
CITY OF IQALUIT WATER LICENCE RENEWAL AND AMENDMENT APPLICATION
(LICENCE No. 3AM-IQA0612)

Venue: Koojesse (South) Conference Room, Frobisher Inn, Iqaluit

January 13, 2016 (9:00 a.m. – 5:00 p.m., EST, Including Intermissions)

Technical Meeting Segment

1. Opening Remarks (**15 Minutes**)
 - a. Opening Prayers
 - b. Introduction of Participants
 - c. Purpose of the Technical Meeting and Pre-Hearing Conference
 - d. Overview of Scope and Procedural History of the Application
 - e. Identification of Interested Parties
2. Presentations by Applicant (**45 Minutes, Excluding Questions and Answers**)
 - a. Presentation by the City of Iqaluit on the Application before the Board
 - i. Questions from Parties and the NWB Regarding the City of Iqaluit’s Presentation
3. Presentations by Intervening Parties (**35 Minutes / Party, Excluding Questions and Answers**)
 - a. Presentation by Indigenous and Northern Affairs Canada (INAC)
 - i. Questions from Parties and the NWB Regarding INAC’s Presentation
 - b. Presentation by Environment and Climate Change Canada (EC)
 - i. Questions from Parties and the NWB Regarding EC’s Presentation
 - c. Presentation by the Department of Fisheries and Ocean Canada (DFO)
 - i. Questions from Parties and the NWB Regarding DFO’s Presentation
 - d. Presentation by Interested Parties / Persons wanting to make representations
 - i. Questions from Parties and the NWB Regarding Interested Parties Presentation
4. Identification of the Parties’ Commitments to Resolve Relevant Technical Issues
5. Formulation of Outstanding Issues
6. Closing of Technical Meeting (*May continue the next day if required*)



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and
Amendment
PHC Decision

January 13, 2016 (7:00 p.m. - 10:00 p.m., EST, Including Intermissions)

Community Session

7. Opening remarks by the NWB (10 Minutes)

- a. Opening Prayers
- b. Introduction of Participants
- c. Overview of the Purpose of the TM & PHC Including the Community Session

8. Brief Presentations Parties:

- a. NWB’s Presentation (**15 Minutes, Excluding Questions and Answers**)
 - i. Questions from Community Members and Interested Parties/Persons
- b. City of Iqaluit’s Presentation (**15 Minutes, Excluding Questions and Answers**)
 - i. Questions from Community Members and Interested Parties/Persons
- c. INAC’s Presentation (**15 Minutes, Excluding Questions and Answers**)
 - i. Questions from Community Members and Interested Parties
- d. DFO’s Presentation (**15 Minutes, Excluding Questions and Answers**)
 - i. Questions from Community Members and Interested Parties/Person
- e. EC’s Presentation (**15 Minutes, Excluding Questions and Answers**)
 - i. Questions from Community Members and Interested Parties/Persons

9. Closing of the Community Session (*May continue on the evening of January 14, 2016 if required*)



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

January 14, 2016 (9:00 a.m. – 5:00 p.m., EST, Including Intermissions)

PHC Segment

10. Pre-Hearing Conference

- a. Identify Issues that may Prevent the Application from Proceeding to a Public Hearing
- b. Discuss Form, Timing, and Location of a Potential Public Hearing for the Application
- c. Establish Timetable for the Pre-hearing Exchange of Information Including
 - i. Preparation and Service of Documents to Parties (Deadlines, Form, Public Registry)
 - ii. Document-Translation Requirements
 - iii. Documentation to be Included in the Hearing Record
- d. Finalize List of Issues to be Addressed at the Public Hearing
- e. Identify Interested Parties / Parties Participating in the Public Hearing
- f. Identify any Changes Required to the Application for the Purposes of Clarification
- g. Final Procedures to be Followed at the Public Hearing Including:
 - i. Requested Modifications to the Applicable *NWB Rules of Practice and Procedure for Public Hearing* (May 2005)
 - ii. Language Requirements at the Hearing
- h. Consider any other Matters that may Aid in the Simplification and Disposition of the Application at the Public Hearing

11. Other Issues

12. Closing of the PHC



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment
PHC Decision

APPENDIX B: Summary Listings of Attendees at Technical Meeting, Community Session and Pre-Hearing Conference

In Person Technical Meeting — January 13, 2015 Day 1 Registration Form

Technical Meeting/Pre-Hearing Conference City of Iqaluit
Iqaluit, Nunavut
Day Session

1 of 3

Registration Form

Technical Meeting

NO.	First Name	Last Name	Organization Representing	Address	Phone	Fax	E-mail
1	Bradley	Summerfield	ECCC				
2	Wade	COSTELLO	AANDC				
3	Amjad	Tariq	AANDC				
4	Sarah	Forte	INAC				
5	Anne	Wilson	EC				
6	David	LYON	STANTEC				
7	KEN	JOHNSON	STANTEC.				
8	TRISH	AUSEK	ECCC				
9	MATTHEW	HAMP	City of Iqaluit				
10	Steve	Burden	exp ECCC				
11	Paul	Law	City of Iqaluit				
12	Michelle	Zakrisson	DOJ (INAC)				
13	CURTIS	DEBITAN	EC				
14	James	Neary	INAC				
15	Mike	Sauvageau	INAC				
16	Steve	Burden	exp				
17	Scott	BURGES	INAC				
18	MATTHEW	HAMP	City of Iqaluit				
19	Wade	COSTELLO	INAC				
20	Erik	Allan	INAC				
21	Andrew	Keim	INAC.				
22							
23	Cay	Broome	ECCC				
24							

January 13, 2016

In Person Community Session — January 13, 2015 Day 1 Evening Session
Registration Form



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment PHC Decision

Technical Meeting/Pre-Hearing Conference City of Iqaluit
Iqaluit, Nunavut
Evening Session

1 of 3

Registration Form

Community Session

NO.	First Name	Last Name	Organization Representing	Address	Phone	Fax	E-mail
1	TRISH	AUSER	ECCC				
2	MATT	FOLLETT	STANTEC		867 222-3065		Matthew.Follett@stantec.ca
3	MATTHEW	HAMP	City of Iqaluit				
4	SCOTT	BURGES	INAC				
5	KAREN	COSTELLO	INAC				
6	Michelle	ZAKRISON	DOJ (INAC)				
7	Bradley	Sumnerfeld	ECCC				
8	Sarah	Forte	INAC				
9	RICHARD	JANUSZ	FISHERIES & OCEANS		206 984 1372		richard.janusz@dfo-mps.gc.ca
10	Erik	Allein	INAC		867-222-8588		
11	Erin	Mentink	GN		975-5348		
12	JUSTINE	LYNWOOD	GN		975-5347		
13	DAVID	LYCON	STANTEC				
14	Lee	Weemen	-		222-5348		Weemen@hotmail.com
15	Steve	Burden	exp				
16	John	Smith	exp				
17	VEN	JOHNSON	STANTEC				
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January 13, 2016



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment PHC Decision

In Person Technical Meeting and Pre-Hearing Conference — January 14, 2015 Day 2 Registration Form

Technical Meeting/Pre-Hearing Conference City of Iqaluit
Iqaluit, Nunavut
Day Session

Registration Form

January 14, 2015 1 of 3

Technical Meeting
Pre-hearing Conference

NO.	First Name	Last Name	Organization Representing	Address	Phone	Fax	E-mail
1	Steve	Burden	exp				
2	John	Smith	exp				
3	DAVID	LYCON	STANTEC				
4	Sarah	Forté	INAC				
5	Erik	Alfaro	INAC				
6	Amjad	Tang	INAC/ANAC				
7	KEN	OSTERLO	INAC				
8	TRISH	AUSER	ECCC				
9	CRAL	BRAZOME	ECCC				
10	CURTIS	REDMAN	ECCC				
11	RICHARD	JANUSZ	DR				
12	Bradley	Summerville	ECCC				
13	Atan	Shouldice	INAC				
14	PAPA	PEDERSEN	INAC				
15	John	Wierman					weemerd@hotmail.com
16	Anna	Watson	EC				
17	Meghan	Mounce	CBS - CN				
18	Dustin	Lywood	GN / Public				
19	KEN	JOHNSON	STANTEC AM				
20	MATTHEW	LANIP	City of Iqaluit				
21							
22							
23							
24							

January 13, 2016

Registration Form



3AM-IQA0612 Type "A" Water Licence – Application for Renewal and Amendment
PHC Decision

Technical Meeting/Pre-Hearing Conference City of Iqaluit
Iqaluit, Nunavut
Day Session

2 of 3

Registration Form

PRE HEARING CONFERENCE

25	KAREN	CASTLE	INAC				
26	SCOTT	BURGESS	INAC				
27	Bradley	Summerfield	CCCC				
28	MATTHEW	HAMP	City of Iqaluit				
29	Sarah	Forté	INAC				
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January 13, 2016



APPENDIX C: List of Application Submissions

The following documents were included with the Renewal and Amendment Application:

March 2015 Submission

- Cover Letter Regarding Confirmation of Submission and Scope for Type “A” Water Licence 3AM-IQA0611
- Appendix A –List of documents submitted as part of the initial submission for the application
- Appendix B – Supplementary Water Supply Study
- Appendix C – Letter to the City of Iqaluit from Aboriginal Affairs and Northern Development Canada pertaining to monitoring requirement in the expired licence:

2014 Submissions

- City of Iqaluit Landfill Operations and Maintenance Manual, January 2014
- City of Iqaluit Solid Waste Management Plan, date January 2014
- Iqaluit Solid Waste Management Plan, West 40 Landfill Decommissioning Technical Memorandum, dated January 2014

2013 Submission

- Cover Letter: City of Iqaluit Outstanding Items Submission
- 2012 Annual Monitoring Report
- 2007, 2008 Annual Report
- Monthly General Monitoring Reports: June, July, September, October, December (2012)
- Lake Geraldine Water Balance Assessment (2013)
- Iqaluit Supplementary Water Supply Sampling Parameters (2013)
- Iqaluit Waste Management Project: Newsletter #3 (2013)
- Quality Assurance and Quality Control Plan (2013)
- City of Iqaluit Renewal Application Addendum (Letter) This item describes Terms and Conditions associated with the Amendment No. 1 Application withdrawn by the City of Iqaluit (2006) that the City is proposing to be included in the Application Renewal (2012).



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

2012 Submission

- Cover Letter
- Cover Letter (Updated Appendices)
- Executive Summary (English)
- Executive Summary (Inuktitut)
- Application for Water Licence Renewal; and
- Application Appendices (contents as described):
 - *Appendix A: General*
 - A-1: Topographic map/satellite image (5m contours)
 - A-2: Water Licence Inspection Reports (2008, Jul 2009, Oct 2009, 2010, 2011, 2012)
 - A-3: City of Iqaluit Spill Contingency Plan (2004)
 - A-4: Alternate Monitoring Plan (2008)
 - A-5: Current Monitoring Program Tests Dates (2012) Appendix A Page 2
 - A-6: Monitoring Program Test Results (April 2012, July 2012, September 2012)
 - A-7: Spill Reports (2005, 2006, 2007, 2008, 2009, 2010, 2011)
 - A-8: Allangua Road Culvert Installation
 - A-9: Water Licence Reports (2009, 2010, 2011)
 - A-10: Audited Financial Statements (2011)
 - A-11: Compliance Assessment (2012)
 - *Appendix B: Water Use*
 - B-1: Picture of Water Source Sign
 - B-2: Lake Geraldine Dam Expansion Drawings (2006)
 - B-3: Water Treatment Plant Drawings (2003)
 - B-4: Water Treatment Plant Operation & Maintenance Manual (2004)
 - B-5: Underwater Dive Report (2010)
 - B-6: Watershed Mapping and Monitoring for Northern Community Impact Assessment
 - B-7: Lake Geraldine Dam - Dam Safety Review (2006)
 - B-8: Lake Geraldine Dam - Dam Safety Inspections (2009, 2010, 2011, 2012)
 - B-9: Lake Geraldine Dam - Permanent Record File (2011)
 - *Appendix C: Wastewater:*



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

- C-1: Picture of Lagoon Identification
- C-2: Sewage Lagoon Drawing (1988)
- C-3: Wastewater Treatment Plant Phase 1 Drawings (2005)
- C-4: Lift station No. 1 - As-Built Drawings (2007)
- C-5: Lift Station No. 2 - As-Built Drawings (2011)
- C-6: Sludge Management Operation & Maintenance Manual (2006)
- C-7: Wastewater Treatment Plant Operation & Maintenance Manual (2006)
- C-8: Sewage Lagoon West Berm Rehabilitation Reports and Drawings (2006)
- C-9: Iqaluit Wastewater Treatment Plant Technical Overview of 2005 Secondary Sewage Treatment Plant Design (2011)
- C-10: Sewage Lagoon Dam Safety Inspections (2006, 2009, 2011)
- C-11: Sewage Lagoon Permanent record File (2012)
- C-12: Sewage Lagoon Dam Safety Review Requirement Investigation (2012)

○ *Appendix D: Solid Waste*

- D-1: Picture of Landfill Sign
- D-2: Landfill Facility Expansion Drawings (2001)
- D-3: Landfill Drawings (2006)
- D-4: Landfill Berm Repair Drawings (2011)
- D-5: Solid Waste Facility Operations & Maintenance Manual (2005)
- D-6: Landfill Water Management Improvements Report (2009)
- D-7: West 40 Landfill Drainage Management Review (2011)
- D-8: Iqaluit Sewage Sludge Management Composting Pilot Project Report (2009)
- D-9: Iqaluit Waste Management Project Terms of Reference (2010)



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and
Amendment
PHC Decision

**APPENDIX D: List of Commitments Resulting from Technical Meeting
for Water Licence No. 3AM-IQA0612 Renewal Application**

No.	Party Responsible for Commitment	Party(s) who raised (Item#)	Issue - TM Commitment	Timeline for Submission	Form of Submission
1	City of Iqaluit	NWB	<p>Definition of final scope of the application, including clarification:</p> <ul style="list-style-type: none"> • What activities and elements have been withdrawn from the application (new quarry, new landfill, alternative water source of APEX River) • Identification of changes to scope from prior Licence to reflect current operating conditions and prior reclamation activities 	By January 22, 2016	Letter clarifying scope of application, including consequential changes to the scope of the prior Water Licence 3AM-IQA0612 (under Part A. Item 1 of the Licence).
2	City of Iqaluit	NWB	Description of Applicant’s plans to decommission and reclaim emergency measures infrastructure, including water treatment and discharge plans for water currently held in the new pond used for fire extinguishment in 2014	By January 29, 2016	Description of plans for decommissioning and reclamation of emergency measures infrastructure



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

No.	Party Responsible for Commitment	Party(s) who raised (Item#)	Issue - TM Commitment	Timeline for Submission	Form of Submission
3	City of Iqaluit	NWB	Updated compliance history including current Inspector’s Directions, timing, compliance status and next steps	By January 29, 2016	Updated compliance history summary, including on-going and upcoming compliance requirements
4	City of Iqaluit	ECCC INAC	Provide advice regarding when City of Iqaluit is able to provide the location of wastewater discharge outfall structure (including at low and high tide)	January 22, 2016	Provide notification of timing
5	Nunavut Water Board	City of Iqaluit	Providing listing of plans and reports where NWB has noted deficiencies, updates or revisions are required	January 22, 2016	Summary Table Listing of Plans and Reports
6	City of Iqaluit	NWB	Provide schedule for submission of updated plans and reports to address submission of NWB	February 5, 2016	Schedule for updates and revised plans and reports
7	City of Iqaluit	INAC	Add information about current sampling program as an addendum to the landfill Operations and Maintenance plan	February 5, 2016	Addendum to the landfill Operations and Maintenance plan



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and Amendment
PHC Decision

No.	Party Responsible for Commitment	Party(s) who raised (Item#)	Issue - TM Commitment	Timeline for Submission	Form of Submission
8	City of Iqaluit	INAC	Identification of an off-site sampling point downgradient of the landfill (sampling point to be selected in consultation with INAC)	February 5, 2016	Identify location of new sampling point and include in addendum to landfill Operations and Maintenance plan
9	City of Iqaluit	NWB	In consultation with INAC, ECCC and DFO prepare listing of recommended changes to monitoring program requirements	Draft circulated on January 22, 2016 and Revised version February 5, 2016	Updated listing of changes to Schedule C and Part E of Licence No. 3AM-IQA0612
10	City of Iqaluit	NWB	Prepare copy of consequential amendments to Licence No. 3AM-IQA0612 to reflect current compliance and operating conditions and proposed compliance and operating conditions post-2018	February 17, 2016	Blackline copy of the relevant provisions of Licence No. 3AM-IQA0612
11	City of Iqaluit	NWB	Provide most recent quarterly meeting report between City of Iqaluit and ECCC, and ECCC Inspector’s Direction	January 22, 2016	Most recent Quarterly Meeting Minutes and ECC Inspector’s Direction



3AM-IQA0612 Type “A” Water Licence – Application for Renewal and
Amendment
PHC Decision

No.	Party Responsible for Commitment	Party(s) who raised (Item#)	Issue - TM Commitment	Timeline for Submission	Form of Submission
12	City of Iqaluit	DFO	Additional information regarding historical use of Lake Geraldine and associated stream (including history of flow controls)	February 5, 2016	Document review and attachment of relevant documents
13	INAC	NWB	Provide a summary of compliance with the INAC Inspector’s Direction	January 29, 2016	Letter summary of compliance with the INAC Inspector’s Direction
14	City of Iqaluit	NWB	Provide updated summary of administrative compliance (documentation requirements of expired Licence)	February 17, 2016	