

Department of Community and Government Services
Nunalingni Kavamatkunnilu Pivikhaqautikkut
Ministère des Services Communautaires et gouvernementaux

January 27, 2015

Nunavut Water Board

P.O. Box 119

Gjoa Haven, NU, X0B 1L0

Attention: Phyllis Beaulieu, Manager of Licensing

RE: Amendment to Water Licence: 3BM-GJO1318 for new Sewage Lagoon inclusion

Dear Ms. Phyllis,

Please find the enclosed application for the amendment of Gjoa Haven Water Licence 3BM-GJO 1318, issued on Nov 13, 2013 but not included the newly constructed Sewage lagoon facility. The amendment is required to include the new facility as stated in item no (iii) Issues of the Term of Licence 3BM-GJO 1318. The new lagoon has been in operation since November 2013 from the day of it substantially completed and turned to the Hamlet of Gjoa Haven. The sewage disposal program has been transferred to the new lagoon & old lagoon being decommissioned with an approved A&R plan. Following documents included for the amendment process:

- ✓ Executive summary of the amendment request
- ✓ Complete Form of Amendment Application for new lagoon inclusion
- ✓ As-built drawings of new sewage Lagoon
- ✓ O&M manual of new sewage lagoon it will supersede the old Lagoon O&M manual

Best Regards,

Shah Alam, P. Eng.

Municipal Planning Engineer,

Government of Nunavut

Community and Government Services

Kitikmeot Region, Cambridge Bay, Nu

Phone: 867-983-4156, fax: 867-983-4124

salam@gov.nu.ca<mailto:salam@gov.nu.ca>

CC: Karen Kharatyn, Ph. D, P. Eng., Technical Advisor, Nunavut Water Board, Gjoa Haven, NU

Executive Summary

The Hamlet of Gjoa Haven is responsible for the disposal of sewage and solid waste generated from the community. These facilities are currently operating with an Amendment Water Licence 3BM-GJO1318, which does not include the newly constructed Sewage lagoon. Current sewage lagoon construction completed and turned to operation in Nov 2013 and the sewage discharge program transferred to this new facility from the old lagoon which being decommissioned.

The new facility is a single-cell rectangular shaped engineered lagoon and has been sized to a capacity at least 57,907 m3 to meet the needs for next 30 years. Using population projections in 2042 (about 1800 people) and average water uses of 75L/day which estimate a sewage volume not exceeding 55,000 m3/year, is less than the new lagoon capacity. The lagoon is designed and developed to hold raw sewage for 10-12 months during early winter to next summer (Sep-June), and decanting during late summer and fall (July-Aug).

The un-engineered wetland located immediately downstream of the lagoon is an integral to the remediation process of sewage effluent after the primary remediation of effluent inside the lagoon. The wetland basically provides the polishing of effluent in presence of oxygen and sunlight before final merge into ocean. Monitoring stations located on the wetland for samples collection which then test in the laboratory to ensure contamination parameters level compare to the MAC (maximum allowable limit) value. The monitoring stations (GJO-2, GjO-4) remained unchanged on the wetland except GJO-3 in the new location of sewage drop-off in the new lagoon which is consistence with the newly amended Water Licence 3BM-GJO 1318. The new decanting location marked at the opposite corner of raw sewage drop-off (shown in the drawing) point where decanting structure is installed including an overflow free discharge dyke. Sewage sludge depth on the bottom bed of the lagoon will be measured and monitored in accordance with the guideline (National Guide to Sustainable Municipal Infrastructure 2004) and as needed. Collected sludge will be managed and dried on a selected sludge drying pad. A detail sludge management plan will be submitted when required for the Board approval. A complete O&M manual was submitted to the Board for the operation & management of the new sewage facility.

The amendment is required to include the operation of the current lagoon in place of the old lagoon in the newly amended Water Licence. The A&R plan for the old lagoon has been submitted and approved by the Board. The complete set of 'as-built drawings' of the new lagoon has attached with this submission to the Board.

We confidently determined, operation of the new lagoon will be helpful in compliance with the requirement of the Nunavut Water Licence for this northern community.



Application for Water Licence Amendment

Document Date: April 2013

Application Submission Date: <u>January 27, 2015</u> Month/Day/Year

P.O. BOX 119 GJOA HAVEN, NUNAVUT XOB 1J0

Tel: (867) 360-6338 FAX: (867) 360-6369

DOCUMENT MANAGEMENT

Original Document Date: April 2010

DOCUMENT AMENDMENTS

| | Description | Date |
|------|--|------------|
| (1) | Updated for public distribution as separate document from NWB Guide 7 | June 2010 |
| (2) | Updated NWB logos and reformatted table to allow rows to break across page | May 2011 |
| (3) | New NWB logo; request for background information; and change to Block 24 | April 2013 |
| (4) | | |
| (5) | | |
| (6) | | |
| (7) | | |
| (8) | | |
| (9) | | |
| (10) | | |



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GJOA HAVEN, NU X0B 1J0 NUNAVUT WATER BOARD NUNAVUT IMALIRIYIN KATIMAYIT OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR WATER LICENCE AMENDMENT

The applicant is referred to the NWB's Guide 7: Licensee Requirements Following the Issuance of a Water Licence for more information about this application form.

Where possible, provide background information regarding the original licence application or attach previously submitted information.

| EXISTING LICENCE NO:3BM-GJ01318 TYPE "B" |
|--|
| 1. LICENSEE CONTACT INFORMATION |
| Is the licensee the same as that referred to on the existing licence? |
| ✓ Yes □ No |
| If No, a licence assignment must be completed and approved by the NWB. An amendment will only be issued in the name of the current licensee in the absence of assignment of the licence. |
| If the licensee is the same, but the <u>name</u> of the licensee has changed, attach a certificate of name change. |
| Name: Hamlet of Gjoa Haven |
| Address: P.O. Box 200, Gjoa Haven, NU, X0B 1J0 |
| Phone: 867-360-7141 |
| Fax: 867-360-6309 e-mail: saogjoa@qiniq.com |
| 2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1. |
| Name: Shah Alam, P. Eng., Municipal Planning Engineer |
| Address: Cambridge Bay, NU, XOB 0C0 |
| Phone: 867-983-4156 Fax: 867-983-4124 / 4123 e-mail: salam@gov.nu.ca |
| (Attach authorization letter.) |

| 3. NAME OF PROJECT | | | |
|---|--|--|--|
| New Sewage Lagoon | | | |
| Has the name of the project changed? | | | |
| ✓ Yes □ No | | | |
| If Yes, indicate the name of the project including the name of the location: | | | |
| New Sewage Lagoon, Gjoa Haven, NU | | | |
| 4. LOCATION OF UNDERTAKING | | | |
| Does the proposed amendment change the location of the amended undertaking? | | | |
| ✓ Yes □ No | | | |
| Provide the project extents and camp locations. Identify proposed changes. | | | |
| Project Extents | | | |
| NW: Latitude: (68° 37' 30.73 " N) Longitude: (95° 50' 30.28" W) | | | |
| NE: Latitude: (68° 37' 31.43 " N) Longitude: (95° 49' 48.88" W) | | | |
| SE: Latitude: (68° 37' 15.42 " N) Longitude: (95° 49' 46.86" W) | | | |
| SW: Latitude: (68° 37' 14.72 " N) Longitude: (95° 50' 28.26" W) | | | |
| Project extents were estimated using Google Earth Pro. | | | |
| Camp Location(s) N/A | | | |
| Latitude: (° ' "N) Longitude: (° ' "W) | | | |
| 5. MAP | | | |
| Does the proposed amendment change the locations of any of the main components of the undertaking? | | | |
| ☐ Yes ☑ No | | | |
| Attach a topographical map, indicating the main components of the undertaking. Identify proposed changes. | | | |
| NTS Map Sheet No.: Map Name: Map Scale: | | | |
| As-built drawings are attached to this application. | | | |
| 6. NATURE OF INTEREST IN THE LAND | | | |
| Does the proposed amendment change the nature of the interest in the land? | | | |
| ☐ Yes ☑ No | | | |

| If Yes, indicate changes |
|---|
| Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked). |
| Sub-surface |
| ☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI) Date (expected date) of issuance: Date of expiry: |
| ☐ Mineral Lease from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: Date of expiry: |
| Surface |
| Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC) Date (expected date) of issuance: Date of expiry: |
| ☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA) Date (expected date) of issuance: Date of expiry: |
| ☐ IOL Authorization from Kivalliq Inuit Association (KivIA) Date (expected date) of issuance: Date of expiry: |
| ☐ IOL Authorization from Qikiqtani Inuit Association (QIA) Date (expected date) of issuance: Date of expiry: |
| Commissioner's Land Use Authorization Date (expected date) of issuance: Date of expiry: |
| Other This application is for a Water Licence amendment for the operation (fill |
| and decant) of the new sewage lagoon. |
| Date (expected date) of issuance: Nov 13, 2013 Date of expiry: Nov 12, 2018 |
| Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence? |
| ✓ Yes □ No |
| If No, a licence assignment must be completed and approved by the NWB. |
| Name of entity(s) holding authorizations: Hamlet of Gjoa Haven |
| 7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION |
| Indicate the land use planning area in which the existing project is located. |
| □ North Baffin □ Keewatin □ South Baffin □ Sanikiluaq □ Akunniq ✓ West Kitikmeot |

| Does the proposed amendment change the land use planning area? |
|--|
| ☐ Yes ☑ No |
| If yes, indicate the land use planning area in which the amended undertaking is located. |
| North Baffin ☐ Keewatin South Baffin ☐ Sanikiluaq Akunniq ✓ West Kitikmeot |
| Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence? |
| ☐ Yes ☑ No |
| If Yes, indicate date issued and attach copy. N/A. There is no land use plan for the Kitikmeot region at this time. |
| Does the proposed amendment change the original NPC conformity determination or the need to obtain one? |
| ☐ Yes ☐ No |
| If Yes, indicate date issued (or expected) and attach a copy |
| 8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION |
| Was a screening determination required from NIRB prior to the issuance of the existing water licence? |
| ☐ Yes ☑ No |
| If Yes, indicate date issued and attach copy. |
| Does the proposed amendment change the original NIRB screening determination or the need to obtain one? |
| ✓ Yes □ No |
| If Yes, indicate date issued (or expected) and attach a copy. Issued November 22, 2013 If No, provide written confirmation from NIRB confirming that a screening determination is not required. |
| 9. DESCRIPTION OF UNDERTAKING |
| Does the proposed amendment change the description of the undertaking? |
| ☑ Yes □ No |
| List and attach plans and drawings or project proposal. Identify proposed changes. |
| A new sewage lagoon has been commissioned for use in the Hamlet of Gjoa Haven. Asbuilt drawings for this undertaking are attached to this application. |

Currently, the Hamlet has an estimated population of 1288 (Population Estimates, Nunavut Bureau of Statistics, 2012). Using population projections issued by the Nunavut Bureau of Statistics (2011) for average water usage of 75 L per person per day, the projected water use for Gjoa Haven in 2042 is estimated to be 57,907 m³. The water volume per capita of 75 L per day was determined to be the actual water consumption rate for the community of Gjoa Haven according to the water consumption data provided by the Community.

The new sewage lagoon was constructed adjacent to the old lagoon which is currently being decommissioned. The new single-cell sewage lagoon is rectangular with an approximate volume of 57,907 m³. The lagoon is designed to hold 10 to 12 months of effluent and will store the effluent during the winter months. The lagoon will be decanted during the fall months to the un-engineered wetland area for further polishing.

An un-engineered wetland is located immediately downstream of the lagoon, and provides treatment of the sewage. This was the effluent discharge area for the old sewage lagoon. Ultimate discharge of the effluent is to the ocean approximately 1,200 m downstream of the lagoon.

| 1(|) (| \cap | b. | П | n | N | 9 |
|----|-----|--------|----|---|----------|---|---|
| | | | | | | | |

Does the proposed amendment change any of the alternative methods and locations that were considered to carry out the project?

> **V** No ☐Yes

Provide a brief explanation of the alternative methods or locations that were considered to carry out the project. Identify proposed changes.

The new sewage lagoon was constructed adjacent to the current lagoon as there was already an effluent discharge to land area that has been established and access to the site was already available. A short access road from the main road was constructed in order to gain access to the new lagoon. Other locations that were considered required substantial access road construction and improvements and were too far away from the community in order to be practical for multiple daily deliveries to the lagoon.

11. **CLASSIFICATION OF PRIMARY UNDERTAKING**

Indicate the primary classification of undertaking for the existing licence by checking one of the following boxes

| ☐ Industrial | ☐ Agricultural |
|---|---------------------------------|
| Mining and Milling (includes exploration/drilling/explo | oration camps) |
| ☐ Conservation | |
| ✓ Municipal (includes camps/lodges) | Recreational |
| Power | Miscellaneous (describe below): |
| | |
| | |

| Does the proposed amendment change the classification of primary undertaking? | | | |
|--|--|--|--|
| ☐ Yes ☑ No | | | |
| If Yes, indicate the primary undertaking of the amendment: | | | |
| Information in accordance with applicable Supplemental Information Guidelines (SIG) must be updated and submitted with an Application for Amendment. Indicate which SIG(s) are applicable to your application. | | | |
| Hydrostatic Testing Tannery Tourist / Remote Camp Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil Onshore Oil and Gas Exploration Drilling Mineral Exploration / Remote Camp Advanced Exploration Mine Development ✓ Municipal General Water Works Power | | | |
| 12. WATER USE | | | |
| Indicate, using the boxes below, the types of water use(s) approved in the existing licence. | | | |
| ✓ To obtain water for camp/ municipal purposes ☐ To obtain water for industrial purposes ☐ To divert a watercourse ☐ To modify the bed or bank of a watercourse ☐ To alter the flow of, or store water ☐ Other: | | | |
| Does the proposed amendment change the type(s) of water use(s)? | | | |
| ☐ Yes ☑ No | | | |
| If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of water use(s) noting any water use(s) that are to be added, continued, or removed. | | | |
| ☐ To obtain water for camp/ municipal purposes ☐ To obtain water for industrial purposes ☐ To divert a watercourse ☐ To modify the bed or bank of a watercourse ☐ To alter the flow of, or store water ☐ Other: | | | |
| 13. QUANTITY OF WATER INVOLVED | | | |
| Does the proposed amendment change the source of water? ☐ Yes ✓ No | | | |
| Indicate the water source(s). Identify proposed changes: | | | |
| Swan Lake. No changes to water source, This application is only for the operation of the | | | |
| new sewage lagoon. | | | |

| Does the proposed amendment change the quality of the water source and/or its available capacity? |
|--|
| ☐ Yes ✓ No |
| Describe the quality of the water source(s) and the available capacity(s). Identify any changes.: |
| No changes. This application is only for the operation of the new sewage lagoon. |
| Does the proposed amendment change the overall quantity of water to be used? |
| ☐ Yes ☑ No |
| Provide the overall estimated quantity to be used. Identify proposed changes. : 170 m³/day |
| No changes, this application is only for the operation of the new sewage lagoon. |
| Does the proposed amendment change the quantity of water to be used from each source? |
| ☐ Yes ✓ No |
| Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes. : |
| Annual quantity not exceeding $62,000~\text{m}^3$. No changes, this application is only for the operation of the new sewage lagoon. |
| Does the proposed amendment change the quantity of water to be used for each purpose? |
| ☐ Yes ✓ No |
| Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes.: |
| N/A. This application is only for the operation of the new sewage lagoon. |
| Does the proposed amendment change the method(s) of extraction? ☐ Yes ☑ No |
| Describe the method(s) of extraction. Identify proposed changes. : |
| N/A. This application is only for the operation of the new sewage lagoon. |
| Does the proposed amendment change the quantity(s) of water returned to source(s)? |
| ☐ Yes ☑ No |
| Estimated quantity(s) of water returned to source(s). Identify proposed changes. : N/A m³/day |
| N/A. This application is only for the operation of the new sewage lagoon. |
| Does the proposed amendment change the quality(s) of water returned to source(s)? |
| ☐ Yes ☑ No |

| Describe the quality(s) of water(s) returned to source(s). Identify any changes. : | | | | |
|--|--|---|--|--|
| N/A. This application is only for the operation of the new sewage lagoon. | | | | |
| 14. W | ASTE | | | |
| Check the | e appropriate box(s) to indicate the typ | es of waste(s) approved in the existing licence. | | |
| ✓ | Sewage | ✓ Waste oil | | |
| √ | ✓ Solid Waste ✓ Greywater | | | |
| √ | I Hazardous | Sludges | | |
| <u>√</u> | Bulky Items/Scrap Metal Animal Waste Other (describe): | Contaminated soil and/or water | | |
| Does the | proposed amendment change the type | e(s) of waste(s) to be generated or deposited? | | |
| |] | ☐ Yes ☑ No | | |
| | | osed change(s) to the type(s) of waste(s) to be generated r continued generation and/or disposal of waste(s). | | |
| |] Sewage] Solid Waste | ☐ Waste oil ☐ Greywater | | |
| |] Hazardous | ☑Sludges | | |
| | Bulky Items/Scrap Metal Animal Waste Other (describe): | Contaminated soil and/or water | | |
| | | | | |
| 15. QI | UANTITY AND QUALITY OF WASTE | INVOLVED | | |
| Does the | proposed amendment change the qua | antity(s) of the types of wastes involved? | | |
| | | ☐ Yes ☑ No | | |
| Does the | proposed amendment change the cor | mposition(s) of the types of wastes involved? | | |
| | | ☐ Yes ☑ No | | |
| Does the | proposed amendment change the me | thod(s) of treatment for the types of waste involved? | | |
| | | ☐ Yes ☑ No | | |
| Does the | proposed amendment change the me | thod(s) of disposal for the types of waste involved? | | |
| | | ☐ Yes ☑ No | | |
| If Yes to | any of the above, describe the propose | ed changes: | | |

There are no changes to disposal of solid waste. This application is only for the operation of the new sewage lagoon. Disposal of municipal wastewater is described in the table below.

For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

| Type of Waste | Composition | Quantity Generated | Treatment Method | Disposal Method |
|---------------|--|--|---------------------|---|
| Sewage | Municipal wastewater, combined grey & black water | Approximately 160 m ³ /day | Detention lagoon | Natural facultative treatment through BOD reduction and wetland polishing. Ultimate disposal to ocean approximately 1.2 km from discharge location. |

| 16. OTHER AUTHORIZATIONS |
|--|
| Does the proposed amendment change the need for other authorizations in addition to the sub-surface and surface land use authorizations provided in Block 6? |
| ☐ Yes ☑ No |
| If Yes, indicate any additional authorizations required, which authorizations are no longer required, and which authorizations continue to be required. |
| For each provide the following: |
| Authorization: |
| Administering Agency: |
| Project Activity: |
| Date (expected date) of issuance: Date of expiry: |
| 17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES |
| Does the proposed amendment change the predicted environmental impacts of the undertaking or the mitigation measures? |
| ☐ Yes ☑ No |
| Describe direct, indirect, and cumulative impacts related to water and waste. Identify any changes. |

There is no information at this time as to the extent of impacts from the construction and operation of the new sewage lagoon. There is likely to be limited environmental impacts related to the operation of the sewage lagoon. The new sewage lagoon is

designed to hold a year's worth of sewage and will be decanted in the fall following the summer treatment season. The decanted effluent will undergo further polishing through the un-engineered wetland system, and this is the same area currently being used as the effluent discharge area prior to entering the ocean. WATER RIGHTS OF EXISTING AND OTHER WATER USERS 18. Was compensation paid and/or an agreement(s) for compensation been entered into with any existing or other users of water during consideration of the existing licence? **☑** No ☐Yes If Yes, provide the names, addresses and the nature of water use by those persons or properties. Does the proposed amendment adversely affect any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature? **V** No ☐Yes If Yes, provide the names, addresses and the nature of water use of those persons or properties. Advise the Board if compensation has been paid and/or an agreement(s) for compensation has been reached with any existing or other water users with respect to the proposed amendment. 19. **INUIT WATER RIGHTS** Was compensation paid/ or an agreement(s) for compensation been entered into with any Designated Inuit Organization (DIO) during consideration of the existing licence? ✓ No ☐ Yes If Yes, which DIO(s) _____ Does the proposed amendment substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL)? **☑** No ☐Yes If Yes, advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more DIO(s) with respect to the proposed amendment. 20. **CONSULTATION** - Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns. The Department of Community and Government Services has been in active consultation with the Hamlet of Gjoa Haven, NWB and AANDC with regards to the construction, management training and operational plan of the new sewage lagoon facilities.

| 21. SECURITY INFORMATION |
|--|
| Does the proposed amendment change the financial security assessment? |
| ☐ Yes ☑ No |
| Does the proposed amendment change the estimate of the total financial security for final reclamation? |
| ☐ Yes ✓ No |
| Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken. Identify any changes in the financial security assessment resulting from the proposed amendment. |
| Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the <i>Mine Site Reclamation Policy for Nunavut,</i> Indian and Northern Affairs Canada, 2002. |
| Security information is not required in an application for a municipal undertaking. |
| 22. FINANCIAL INFORMATION |
| Is the statement of financial security the same as that considered in the existing water licence? N/A |
| ☐ Yes ☐ No |
| Provide an updated statement of financial security. |
| If the applicant is a business entity please answer the questions below: |
| Is the list of the officers of the company the same as those considered in the existing water licence? |
| ✓ Yes □ No Provide a list of the officers of the company. |
| Shawn Stuckey – Senior Administrative Officer (SAO) Dave Stockley – Director of Finance Troy Beaulieu – Planning and Land Administrator Larry Banks – Hamlet Forman Adam Halluqtalik - Hamlet Operator |
| Is the Certificate of Incorporation or evidence of registration of the company name the same? N/A |
| ☐ Yes ☐ No |
| Attach a copy of the Certificate of Incorporation or evidence of registration of the company name. |
| Not applicable for these facilities. |

| 23. | STUDIFS | IINDERT | $\Delta KENI$ | TO | DATE |
|-----|---------|---------|---------------|----|------|
| | | | | | |

List and attach updated studies, reports, research etc.

Gjoa Haven Waste Management Assessment – Planning Report (Dillon Consulting Limited, 2008).

Waste Treatment Facilities Schematic Design Report, Gjoa Haven, Nunavut (Dillon Consulting Limited, 2011).

Waste Treatment Facilities Design Development Report, Gjoa Haven, Nunavut (Dillon Consulting Limited, 2012).

Effluent Analysis Memo, Gjoa Haven, Nunavut (Dillon Consulting Limited, 2014).

Decommissioning Report, Gjoa Haven, Nunavut (Dillon Consulting Limited, 2014).

Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

Hamlet is working close with the Consultant hired by GN in compliance to the monitoring and operational plan, training and management of facilities in regards to issues identified by AAND inspector and regulatory bodies. Issues included in monitoring, signage and operation of sewage effluent, solid waste and hazardous materials and leachate effluent are in accordance with NWB and CCME guidelines.

| 24. | PROPOSED TIME SCHI | EDULE | | | | |
|---|--|--------------------------|-----------------------|-------|--------------------------|--|
| When | When are proposed amendments scheduled to be undertaken:Nov 2013 and ongoing | | | | | |
| Does the proposed amendment change the time schedule considered in the existing licence for any phase of development? | | | | | | |
| | ☐ Yes ☑ No | | | | | |
| Indicate the start and completion dates for each applicable phase of development (construction, operation, closure, and post closure). Identify proposed changes. | | | | | | |
| Construction of New Sewage Lagoon | | | | | | |
| | Proposed Start Date: | May 2013 (month/year) | Proposed Completion I | Date: | Nov 2013 (month/year) | |
| Operation of New Sewage Lagoon | | | | | | |
| | Proposed Start Date: | Nov 2013 (month/year) | Proposed Completion | Date: | ongoing (month/year) | |
| | Closure of Old Sewage Lagoon | | | | | |
| | Proposed Start Date: | May 2014 | Proposed Completion | Date: | to be determined_ | |

| | (month/year) | | | (month/year) |
|---|--------------------|------------|------------------------|-----------------------|
| Post - Closure | , | | | |
| Proposed Start Date:_ | | | oposed Completion I | Date: (month/year) |
| | (month/year) | | | (month/year) |
| For each applicable phase of o | development indica | ate which | season(s) activities | occur. |
| Construction | | | | |
| ☐ Winter ☐ Spring | g 🗹 Summer | ✓ Fall | All season | |
| <u>Operation</u> | | | | |
| ☐ Winter ☐ Spring | g Summer | ☐Fall | ✓ All season | |
| <u>Closure</u> | | | | |
| ☐ Winter ☐ Spring | g Summer | Fall | ✓ All season | |
| Post - Closure | | | | |
| ☐ Winter ☐ Spring | g 🗌 Summer | ☐ Fall | All season | |
| | | | | |
| | | | | |
| 25. PROPOSED TERM O | F LICENCE | | | |
| On what date does the existing | g licence expire? | Novem | nber 12, 2018 | |
| le the Licenses applying for a | | مرم المسام | and and of the exist | ling lines and |
| Is the Licensee applying for a | combined renewa | ai and am | | ling licence? |
| | [| Yes | ☑ No | |
| If Yes, indicate the proposed | term of the renewa | al (maxim | num of 25 years): | |
| Requested date of renewal is | suance: | | Requested Ex | piry Date: |
| | (mon | th/year) | | (month/year) |
| (The requested date of renewal issuance must be <u>at least</u> three (3) months from the date of application for a type B water licence and <u>at least</u> one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's <i>Guide 5: Processing Water Licence Applications</i> for more information) | | | | |
| 26. ANNUAL REPORTIN | G | | | |
| Will the proposed amendment | change the conter | nt of annu | ual reports or the ann | nual report template? |
| | [| Yes | ☑ No | |
| If Yes, provide details regarding the content of annual reports and a proposed outline or template of the annual report. | | | | |
| Not applicable. Hamlet will be using the NWB's Standardized Form for Annual Reporting. | | | | |

| 27. | CHECKLIST | | ē. | | |
|--------|---|---------------------|--|--|--|
| The fo | llowing must be included | with the applicatio | n for Amendment for the water licensing process to begin. | | |
| | Completed Application | for Water Licence | Amendment form. | | |
| | ☑ Yes | □No | If no, date expected | | |
| | Information addressing | Supplement Infor | mation Guideline (SIG), where applicable (see Block 11) | | |
| | Yes | □No | If no, date expected | | |
| | Compliance Assessme | ent / Status Report | (see Block 23). | | |
| | ☑ Yes | □No | If no, date expected | | |
| | Indication of Renewal I | Requirement (see | Block 26) | | |
| | Yes | □No | If no, date expected | | |
| | English Summary of A | mendment Applica | tion. | | |
| | ☑ Yes | □No | If no, date expected | | |
| | Inuktitut and/or Inuinna | aqtun Summary of | Amendment Application. | | |
| | ☑ Yes | ☐ No | If no, date expected | | |
| | Application fee of \$30.0 | 00 CDN (Payee R | eceiver General for Canada). | | |
| | Yes | ■ No | If no, date expected | | |
| | Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence. | | | | |
| | Yes | □ No | If no, date expected aid for amendment application before. | | |
| 28. | SIGNATURE | | | | |
| 20. | SIGNATURE | | | | |
| Sha | wr Stuckey Name (Print) | SAC) Title (P | rint) Signature Jan 26/15 Date | | |