Water Licence Renewal Application

Water Licence: 3BM-GJO1318

Submission: June 06, 2018

Water Licence Renewal Application Hamlet of Gjoa Haven

Submitted to the Nunavut Water Board

June 05, 2018

Submitted by

Shah Alam, P. Eng. E. P.

Municipal Planning Engineer, CGS, Cambridge Bay, NU X0B 0C0

Ph: (867) 983-4156 Fax: (867) 983-4124/23 June 05, 2018

Nunavut Water Board P.O. Box 119 Gjoa Haven, NU XOB 1L0

Attention: Richard Dwyer, Manager of Licensing

RE: Hamlet of Gjoa Haven Water Licence Renewal Application Licence Number: 3BM-GJO 1318

Dear Richard

Please find the enclosed Water Licence Renewal Application for the Hamlet of Gjoa Haven. The Hamlet's current licence expired on November 12, 2018.

We are pleased to mention the updated status of a number of documents is required of the Water Licence Renewal Application including the following:

- Operation and Maintenance Manual for Sewage and Solid Waste Operations upto date
- Quality Assurance/Quality Control plan for sewage and waste approved and active
- Spill Contingency Plan approved and active
- A & R plan of facilities decommissioned approved and completed
- Annual Reports upto date including 2017 and all previous years
- Modification, addition or alteration of facility or program approved

We are also requesting that the Nunavut Water Board give consideration to regulating the current solid waste treatment facilities and inclusion of contaminated soil and spill remediation to the Renewal Licence. The GN - CGS is working for the improvement of the solid waste facility and a separate component for contaminated Soil remediation and Sewage sludge drying cells based on feasibility assessment.

The Application fee of \$30.00 is paid to the Board as the requirement of the Renewal Application.

On behalf of the Hamlet of Gjoa Haven, I will provide any documents required by the Board and upon request.

Yours sincerely,

(Shah Alam, P. Eng. E.P.)

Municipal Planning Engineer,
Community and Government Services,
Kitikmeot Region,
Cambridge Bay, NU
PNA: (867) 083, 4156; France (867) 083, 41

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Water Licence Renewal Application

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HAMLET OF GJOA HAVEN

GJOA HAVEN, NUNAVUT X0E 1J0 Telephone: (867) 360-7141 Fax: (867) 360-6309 Canadian Imperial Bank of Commerce 5001 - 50th Avenue Box 430 Yellowknife, NT X1A 2N3 025711

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DATE 0 6 0 6 2 0 1 8

PAY

**Thirty and 00/100 Dollars

CAD\$

**30.00

TO THE ORDER OF Receiver General of Canada Place du Portage Phase III 11A2-11 Laurier Street Gatineau QC K1A 0S5

HAMLET OF GJOA HAVEN

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HAMLET OF GJOA HAVEN

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HAMLET OF GJOA HAVEN

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Water Licence Renewal Application

Water Licence: 3BM-GJO1318

Date of expiry: Nov 12, 2018



Application for Water Licence Renewal

Document Date: May 2011

Application Submission Date: 06/05/2018

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	June 2010
	from NWB Guide 7	
(2)	Updated NWB logos and reformatted table to allow rows	May 2011
	to break across page	
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



P.O. Box 119 GJOA HAVEN, NU X0B 1J0 Tel: (867) 360-6338 FAX: (867) 360-6369 NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR WATER LICENCE RENEWAL

Your application may be classified as a **renewal** only if all operations remain the same as previously licensed and only the term of the licence requires change. If your application contemplates:

- a change to the volume of water authorized for use;
- a new activity related to water use or waste disposal;
- a new component related to water use or waste disposal;
- a change in predicted environmental impacts(s); and/or
- a change to any term or condition of the original licence

your application is **NOT** classified as a renewal but rather an amendment and will require submission of an Application for Water Licence Amendment. Licensees applying for combined renewal / amendment are also referred to the Application for Water Licence Amendment.

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

EXISTING LICENCE NO: 3BM GJO-1318
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. A renewal 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.		
Address: Municipal Planning Engineer, 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		
Is the name of the project the same as that considered in the existing water licence?		
√ Yes □ No		
Indicate the name of the project including the name of the location:		
4. LOCATION OF UNDERTAKING		
Is the location of the undertaking the same as that considered in the existing water licence?		
√ Yes		
Project Extents		
NW: Latitude: (68 ° 30 ′ 0 ″ N) Longitude: (95 ° 53′ 0 ″ W)		
NE: Latitude: (° ' "N) Longitude: (° ' "W) SE: Latitude: (° ' "W)		
SW: Latitude: (° ' "N) Longitude: (° ' "W)		
Camp Location(s) N/A		
Latitude: (° ' "N) Longitude: (° ' "W)		
5. MAP		
Are the locations of the main components of the undertaking the same as those considered in the existing licence?		
√ Yes □ No		
Attach a topographical map, indicating the main components of the undertaking.		
The analysis of the analysis of the analysis and the analysis and analysis.		
NTS Map Sheet No.: Map Name: Map Scale:		
6. NATURE OF INTEREST IN THE LAND		
Is the nature of the interest in the land the same as that considered in the existing water licence?		
√ Yes □ No		
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 Incorpo Date (expected date) of issuance:	
	☐ Mineral Lease from Indian and Northern Affairs Date (expected date) of issuance:	
	Surface	
	☐ Crown Land Use Authorization from Indian and Date (expected date) of issuance:	` ,
	x Inuit Owned Land (IOL) Authorization from Kitikr Date (expected date) of issuance:	
	☐ IOL Authorization from Kivalliq Inuit Association Date (expected date) of issuance:	
	☐ IOL Authorization from Qikiqtani Inuit Association Date (expected date) of issuance:	
	Commissioner's Land Use Authorization Date (expected date) of issuance:	Date of expiry:
	Other	
	Date (expected date) of issuance:	Date of expiry:
Is the	name of the entity(s) holding authorizations the sam	ne as that considered in the existing water licence?
	√ Yes	□No
If No,	a licence assignment must be completed and appro	oved by the NWB.
Name	of entity(s) holding authorizations: Hamlet of Gjoa	Haven
7.	NUNAVUT PLANNING COMMISSION (NPC) DET	ΓERMINATION
Is the	undertaking located in the same land use planning	area as that considered in the existing licence?
	$\sqrt{}$	∕es
Indicat	te the land use planning area in which the project is	located.
	North Baffin Keewa South Baffin Sanikil Akunniq √ West	
Was a	a land use plan conformity determination required free?	om NPC prior to the issuance of the existing water
	☐Yes	√No

If Yes, indicate date issued and attach copy
Does the proposed renewal 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. If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.
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 renewal 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
9. DESCRIPTION OF UNDERTAKING
Is the description of the undertaking the same as that considered in the existing water licence?
√ Yes □ No
List and attach plans and drawings or project proposal.
10. OPTIONS
Are the alternative methods and locations that were considered to carry out the project the same as those considered in the existing water licence?
√ Yes □ No
Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.
N/A
11. CLASSIFICATION OF PRIMARY UNDERTAKING
Is the primary undertaking the same as that considered in the existing water licence?
√ Yes □ No
Indicate the primary classification of undertaking by checking one of the following boxes.

	☐ Industrial ☐ Mining and Milling (includes exploration/drilling)	☐ Agricultural ng/exploration camps)	
	☐ Conservation ✓ Municipal (includes camps/lodges)	Recreational	
	Power	Miscellaneous (describe below):	
			
See Sc	hedule II of the Northwest Territories Waters Re	gulations for Description of Undertakings.	
12.	WATER USE		
Is the	type(s) of water use(s) the same as that conside	red in the existing water licence?	
	√ Ye	s No	
Check	the appropriate box(s) to indicate the type(s) of	water use(s) being applied for.	
	To obtain water for camp/ municipal purpose		
	☐ To obtain water for industrial purposes ☐ To cross a watercourse	☐ To divert a watercourse ☐ To modify the bed or bank of a watercourse	
	To alter the flow of, or store water	☐ Flood control	
	Other:		
13.	QUANTITY OF WATER INVOLVED		
Is the	source of water the same as that considered in the	ne existing licence?	
	of water source(s): <u>Swan Lake</u> location(s) on map)		
Is the	quality of the water source and its available capa	acity the same as that considered in the existing licence?	
	√ Ye	es 🗌 No	
Descri	be the quality of the water source(s) and the ava	ilable capacity(s):	
Turbio	lity is slightly higher than is required by GCD	WQ. Treatment required for turbidity and	
	piological components such as E. Coli and C sinfection at the treatment plant before deliv	Coli Form. Therefore, treatment included filtration very to resident and user tanks.	
		round and DFO has concluded that source water	
is not	likely to results to fish and fish habitat.		
Is the	overall estimated quantity of water to be used the	e same as that considered in the existing licence?	
	√ Ye	s No	
Provid	e the overall estimated quantity of water to be us	ed: 62,000 m3 annually)	
	e quantity(s) of water to be used from each source	ce the same as those considered in the existing	
licence	7		

√ Yes □ No
Provide the estimated quantity(s) of water to be used from each source: Annual quantity not exceeding 62,000 m3
Are the quantity(s) of water to be used for each purpose the same as those considered in the existing licence?
√ Yes □ No
Provide the estimated quantities to be used for each purpose (camp, drilling, etc.):N/A
Are the method(s) of extraction the same as those considered in the existing licence?
Describe the method(s) of extraction:
Are the quantity(s) of water returned to source(s) the same as those considered in the existing licence?
√ Yes □ No
Estimated quantity(s) of water returned to source(s): <u>155</u> m³/day
Are the quality(s) of water(s) returned to source(s) the same as those considered in the existing licence?
√ Yes □ No
Describe the quality(s) of water(s) returned to source(s):_comliance to source water quality parameters
14. WASTE
Are the type(s) of waste(s) to be generated and/ or deposited the same as those considered in the existing licence?
√ Yes □ No
Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.
V Sewage V Waste oil V Solid Waste V Greywater V Hazardous □ Sludges V Bulky Items/Scrap Metal □ Contaminated soil and/or water □ Animal Waste
Other (describe):
15. QUANTITY AND QUALITY OF WASTE INVOLVED
Are the quantity(s) of the types of wastes involved the same as those considered in the existing licence?
Yes No Are the composition(s) of the types of wastes involved the same as those considered in the existing licence?
√ Yes No

		√ Yes □ N	0	
re the metho cence?	d(s) of disposal for the types o	of waste involved the	e same as those cor	nsidered in the existing
		√ Yes □ N	0	
	of waste indicated in Block 14, method of disposal.	, describe its compo	sition, quantity in cu	ubic meters/day, method o
Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
ewage	House sewage combined grey and black	Less than 98 m3/day	Engineered lagoon	Natural treatment inside lagoon and through wetland
Solid Vaste	Residential, commercial municipal	40 m3/day	Composting & heaping	Composting and segregation
azardous	Battery, paint, switch, lights, glycol etc.	Not daily, occasionally	Containment and ship out	Collect in container place inside the cell and make ready for ship out.
Bulky ems/ Scrap netal	Wood piece, door, window & house items, vehicle parts, fuel/ water/ sewage tank, plastic, cartons etc.	Not daily, time to time as required	Heaping & composting, burning on site, cover.	break into smaller pieces and on site pile.
Vaste oil	Engine oil, trans. Oil, glycol, heating oil etc.	As required time to time	Containment to shipping out.	Collect in container and protect from spill out.
addition to t	R AUTHORIZATIONS he sub-surface and surface lared required as considered in the		ns provided in Block	6, are the same
or each provi	ide the following:	☐ Yes	lo	
uthorization:				
dministering	Agency:			
	<i>/</i> :			
ate (expecte	d date) of issuance:	Date of exp	oiry:	

Are predicted environmental impacts of the undertaking and proposed mitigation measures the same as those considered in the existing water licence?
√ Yes □ No
Describe direct, indirect, and cumulative impacts related to water and waste.
No harmful impact to environment due to water use or sewage solid waste facility uses. But, benefit to the community in supply potable water, safe sewage disposal and discharge to ocean, proper storage of solid waste, metal dump and management of hazardous materials.
18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS
Are the effects of the undertaking on 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, the same as those considered in the existing water licence?
☐ Yes ☑ No
Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent 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.
Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.
N/A
19. INUIT WATER RIGHTS
Are the effects of the undertaking on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) the same as those considered in the existing water licence?
Yes No Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and 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 Designated Inuit Organization (DIO). There is no known effect of the quality and quantity of flow of water or sewage effluent through Inuit owned land
and final discharge into ocean. No effect on water intake from Swan Lake to fish or fish habitat.
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, meeting with the Hamlet, NWB and AANDC in taking management, training and operational plan for facilities in regards to ensure in environmental and public safety in the event of an emergency situation.
21. SECURITY INFORMATION
Is the financial security assessment the same as that considered in the existing water licence? N/A
☐ Yes ☐ No

Is the estimate of the total financial security for final reclamation the same as that considered in the existing water licence? N/A
☐ 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.
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.
No financial security involved in development and operation of these facilities. Therefore, this is not applicable.
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. N/A
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.
David Stockley – Senior Administrative Officer (SAO) Ed Devereaux – Director Anthony Anguttitauruq – 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. STUDIES UNDERTAKEN TO DATE
List and attach updated studies, reports, research etc.
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 operators are working closely with GN technical team and plant operator to continue the compliance plan

opera	tors training and operation of facilities in regards to issues (if any). Hamlet is working to run the treatment with full SCADA system.
24.	PROPOSED TIME SCHEDULE
	time schedule for all phases of development (construction, operations, closure and post closure) the same as onsidered in the existing licence?
	Sewage Lagoon in operation and maintenance in summer. Old sewage lagoon has been closed. Signage of oring stations were relocated as directed by AANDC inspector.
	√ Yes □ No
	te the proposed start and completion dates for each applicable phase of development (construction, tion, closure, and post closure).
	Construction of _new Cl2 dosing sensor Proposed Start Date:Aug 2018 Proposed Completion Date:Aug 2018
	Proposed Start Date:April 2014 Proposed Completion Date:continue (month/year) (month/year)
	Closure of old Lagoon Proposed Start Date:May 2014 Proposed Completion Date:July , 2014 (month/year) (month/year) Post - Closure
	Proposed Start Date: Proposed Completion Date: (month/year) (month/year)
or ead	ch applicable phase of development indicate which season(s) activities occur. N/A
	Construction ☐ Winter ☐ Spring ☑ Summer ☑ Fall ☐ All season
	Operation ☐ Winter ☐ Spring ☐ Summer ☐ Fall ☑ All season
	Closure ☐ Winter ☐ Spring ☐ Summer ☐ Fall ☑ All season
	Post - Closure Winter Spring Summer Fall All season
These	are existing facilities and their operation as identified during the first completion of these facilities
25.	PROPOSED TERM OF LICENCE

On what date does the existing licence expire?Nov 12, 2018				
Indicate the proposed term of the renewal (maximum of 25 years): <u>15 (fifteen) years</u>				
Requested date of renewal issuance: Nov 13, 2018 (month/year) Requested Expiry Date: Nov 12, 2033 (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 REPORTING Is the annual report template expected to be the same as that considered in the existing licence?				
√ Yes No				
If not using the NWB's <u>Standardized Form for Annual Reporting</u> , provide details regarding the content of annual reports and a proposed outline or template of the annual report. Use NWB standard Form for Annual Reporting				
27. CHECKLIST				
The following must be included with the application for renewal for the water licensing process to begin.				
Completed Application for Water Licence Renewal form.				
√ Yes ☐ No If no, date expected				
Updated plans, including designs and reports (see Block 23).				
☐ Yes				
Updated security assessment (see Block 21).				
☐ Yes				
Updated financial statement (see Block 22).				
☐ Yes				
Compliance Assessment / Status Report (see Block 23).				
☐ Yes				
English Summary of Renewal Application.				
√ Yes ☐ No If no, date expected				
Inuktitut and/or Inuinnaqtun Summary of Renewal Application.				
√ Yes □ No If no, date expected				
Application fee of \$30.00 CDN (Pavee Receiver General for Canada).				

	√ Yes	□No	If no, date expected	
	Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual wa will be calculated by the NWB based upon the amount of water authorized for use in accordan Regulations at the time of issuance of the licence.			
	√ Yes	☐ No	If no, date expected	
	28. SIGNATURE			
I, DAVID Stockley (print name)				
	certify that the application requires no changes to water use or waste disposal as previously authorized and that the information given on this form is, to the best of my knowledge, correct and complete. Signature Date			
-	Signature	Date		