KUUKYOAK

NUNAVUT WATER BOARD

APPLICATION FOR A TYPE B WATER LICENCE

Remediation of the Isachsen High Arctic Weather Station, Ellef Ringnes Island, Nunavut

September 2026

KUUKYOAK

50 Ublogiahokyok Road,
Unit 106,
P.O Box 1346
Cambridge Bay,
Nunavut,
X0B 0C0
Canada

September 15, 2026

Nunavut Water Board
P.O. Box 119 Gjoa Haven,
NU X0B 1J0

Attention: Nunavut Water Board, Manager of Licensing

Reference: Application for at Type B Water Licence for
Remediation of the Isachsen Former High Arctic Weather Station
(HAWS), Ellef Ringnes Island, Nunavut

Dear Sir/Madame,

Kuukyoak Ltd. (Kuukyoak) is pleased to submit a water licence application on behalf of Environment and Climate Change Canada (ECCC) for the use of water and deposit of waste for the remediation of the Isachsen Former High Arctic Weather Station (HAWS) on Ellef Ringnes Island, approximately 500 km northwest of Resolute, Nunavut. The site is located within North Baffin region.

The undertaking has passed its conformance evaluation with the Nunavut Planning Commission (NPC) and its screening with the NIRB. ECCC is also applying to Crown-Indigenous Relations and Northen Affairs Canada (CIRNAC) Lands Administration Branch for an amendment to its Class A Land Use Permit and a new Quarry Permit.

If you have any questions regarding the enclosed application, please contact the undersigned at your convenience.

Sincerely,
Kuukyoak Ltd.

Don Plenderleith

_____

Don Plenderleith M.Sc., P.Eng.
Environmental Engineer
Email: dplenderleith@360eec.com
Phone: 613-880-3352

Executive Summary English

This document presents the application for a Type B Water Licence for the Isachsen Bundle Remediation Project. The undertaking is expected to require a Type B water licence due to potential water crossings (culverts) on access roads and possible water use over 50 m3/day for camp operations (with a capacity of up to 40 people depending on construction operations) and compaction required during construction of roads and the landfill.

Non-potable water will be extracted from the creek north of the airstrip. Potable water for the camp will be drawn from the same source and treated on site. Camp non-potable water use will be approximately (2.0 m3 per day). Grey water from washing activities will be treated and released back to the site a minimum of 30 m from any water body. Blackwater will be solidified and transported off-site for appropriate disposal.

Waste management includes construction of a new engineered landfill for the demolition waste and capping and closure of the previously used waste deposit areas.

The site is occupied by approximately 22 abandoned structures with associated infrastructure, equipment, and supplies. Other features identified at the site, include former water and sewage infrastructure, large-scale fuel storage tanks, two waste disposal areas, small day-fuel tanks, thousands of empty/partially empty drums, other abandoned equipment, and scattered debris. A summary of the wastes to be deposited on site is provided below:

- Approximately 950 m3 of crushed waste fuel drums will be deposited in the new engineered on-site landfill.
- Fifty (50) Above-Ground Storage Tanks (ASTs) will be decommissioned, cut up and deposited in the new engineered on-site landfill.
- Twenty-two (22) buildings will be abated and demolished. Non-hazardous waste will be disposed of in the new engineered landfill and the hazardous waste will be disposed of at a licenced, off-site facility.
- Approximately 760 m3 of non-hazardous waste associated with the heavy equipment will be deposited in the new engineered on-site landfill.
- Approximately 100 m3 of miscellaneous non-hazardous waste debris will be collected, consolidated and deposited in the new engineered on-site landfill.
- A new engineered landfill is designed to accommodate the anticipated range of consolidated waste volume (currently estimated at 4,500 m3 to 6,200 m3).

And

- Approximately 13,000 L of non-incinerable residual liquids will be sent off-site for disposal.

Executive Summary in Inuktitut (Nattilingmiutut)

ᑕᓐᓇ ᑎᑎᕃᑲᕃᑎᒃᓴᖅ ᐱᓇᔨᑎᒥᐅ ᖃᓄᐃᑦᑐᓂᖏᓐᓄ B ᐃᒪᖏᑦ ᓯᐃᓴᓴᔪᒥᐅ ᐊᐃᓴᓴᓐ ᑲᑎᒪᖏᓴᐅᓂᖏᑦ ᐱᓯᑕᒪᑦ. ᐱᓯᕕᓂᐅᔨᖅ ᓂᕕᐅᑭᓴᐅᔨᖅ ᐱᓴᕕᐊᖏᖏᓂᐊᖏᓂᖏᓐᓄᓂᐅ ᖃᓄᐃᑦᑐᓂᖏᓐᓄ B ᐃᒪᖏᑦ ᓯᐃᓴᓴᔪᒥᐅ ᐃᒪᖏᑦ ᐃᑲᖏᐅᑐᐃᓐᓇᕕᐊᖏᖏᓂᖏᓐᓄᓂᑦ (ᑯᓴᐃᑦ) ᐊᖏᑯᑎᑯᓂ ᐊᓯᒪ ᐃᒪᖏᑎᐅ ᐊᑐᑐᐃᓐᓇᕕᐊᖏᖏᓂᖏᓐᓄᓂᑦ 50 m3/ᐅᓪᓗᖅ ᐅᖏᓚᒃᓂᑦ ᑕᖏᒻᒥᓐᖏᑎᒃ ᐊᐅᓯᓂᕕᑦᐅᔨᓂᑦ (ᐃᓂᓐᓄᑦᓯᓗᓂᑦ 40-ᓂᑦ ᐃᓂᖏᓂᑦ ᒪᓪᑐᓗᓂ ᐱᓇᐅᐅᓪᓚᐊᔨᓂᑦ ᐊᐅᓯᓂᕕᑦᐅᓪᓚᖏᓐᓂᑦ) ᐊᓯᒪ ᔪᖏᓪᓚᑎᕕᑦᐊᖏᖏᓂᖅ ᐱᓇᑦᐅᑎᑦᓗᑎᑦ ᐊᖏᑯᑎᑦ ᐊᓯᒪ ᐃᑦᑕᖏᓐᖏᑦ.

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ᐊᓕᒐ

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1.0 Application Form for a New Water Licence

P.O. BOX 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)

The applicant is referred to the NWB's Guide 4: *Guide to Completing and Submitting a Water Licence Application for a New Licence* for more information about this application form.

LICENCE NO:
(for NWB use only)

1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)

Name: Owen Wade
Company: Environment and Climate Change Canada
Address: 351 Boulevard Saint-Joseph Gatineau, QC J8Y 3Z4
Phone: 613.981.8652
e-mail: owen.wade@ec.gc.ca

2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)

Name: Don Plenderleith
Company: 360 Engineering & Environmental Consulting Ltd.
Address: Unit 340, 1200-59 Avenue SE Calgary, AB T2H 2M4
Phone: 613.880.3352
e-mail: dplenderleith@360eec.com

3. NAME OF PROJECT (including the name of the project location)

Remediation of the Isacshen Former High Arctic Weather Station (HAWS), Ellef Ringnes Island, Baffin, NU

4. LOCATION OF UNDERTAKING

Project Extents

NW:	Latitude: (78°48'9.5"N)	Longitude: (103°35'9.5"W)
NE:	Latitude: (78°48'9.5"N)	Longitude: (103°28'47.8"W)
SE:	Latitude: (78°46'11.3"N)	Longitude: (103°35'9.5"W)
SW:	Latitude: (78°46'11.3"N)	Longitude: (103°28'47.8"W)

Camp Location(s)

Latitude: (78°46'40" N) Longitude: (103°31'15"W)

5. MAP - Attach a topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: 069F13 Map Name: N/A Map Scale: 1:50,000

6. NATURE OF INTEREST IN THE LAND - 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: __Jan 01, 2027_ Date of expiry: ___Jan 01, 2032_____
A quarry permit application will be submitted for the development and operation of the off-site borrow pit. The dates noted above are approximate.

Surface

☒ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: __Jan 01, 2027_ Date of expiry: ___Jan 01, 2032_____
A Class A LUP application will be submitted to cover all anticipated activities in the project. The dates noted above are for the new LUP and are approximate.

☐ 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: _____
Date (expected date) of issuance: _____ Date of expiry: _____

Name of entity(s) holding authorizations: Environment and Climate Change Canada (ECCC)

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

☒ North Baffin
☐ South Baffin
☐ Akunniq
☐ Keewatin
☐ Sanikiluaq
☐ West Kitikmeot

Is a land use plan conformity determination required?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy _____June 3, 2026_____
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

Is an Article 12 Part 4 screening determination required?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy ___August 28, 2026_____
If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

The Isachsen decommissioning and remediation project is expected to require a Type B water licence due to potential water crossings (culverts) on access roads and possible water use over 50m3/day for camp operations and compaction required during construction of roads and the landfill. Waste includes construction of a new landfill for the deposit of demolition waste and closure of existing waste areas. Detailed plans and drawings are attached.

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

The proposed Project is being driven by Federal Contaminated Site Action Plan program to remediate potential liabilities and legacy contamination. As such the only alternative is the null or do-nothing approach, which may result in prolonged environmental impacts and continued risk exposure. A Remedial Options Analysis (ROA) study was completed to select preferred alternatives based on remediation objectives.

11. CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial ☐ Agricultural
☐ Mining and Milling (includes exploration/drilling/exploration camps)
☐ Conservation
☐ Municipal (includes camps/lodges) ☐ Recreational
☐ Power ☒ Miscellaneous (describe below):
Site remediation.

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings.

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. 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 - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

☒ To obtain water for camp/ municipal purposes
☒ To obtain water for industrial purposes ☐ To divert a watercourse
☒ To cross a watercourse ☐ To modify the bed or bank of a watercourse
☐ To alter the flow of, or store water ☐ Flood control
☐ Other: _____

13. **QUANTITY AND QUALITY OF WATER INVOLVED -** For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.

Name of water source(s) (show location(s) on map): N/A (Unnamed)

Describe the quality of the water source(s) and the available capacity: Creek and/or meltwater ponds north of the airstrip will be the primary water source for earthworks/construction and domestic use. Potable water for drinking may be transported to the site during regular supply flights to supplement the on-site water source.

Provide the overall estimated quantity of water to be used: _____50-300_____ m^3/day

Provide the estimated quantity(s) of water to be used from each source: Approximate average of 50m3/day from meltwater ponds (if adequate water is available) and the remainder from the creek.

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) Approximate average of 50m3/day for compaction during construction of roads and landfill, 25 m3/day for camp operation.

Describe the method of extraction(s): Pumped and stored in on-site storage tanks.

Estimated quantity(s) of water returned to source(s) 0m^3/day.

Describe the quality of water(s) returned to source(s): ____N/A_____.

14. **WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

- ☐ Sewage
- ☒ Solid Waste
- ☐ Hazardous
- ☒ Bulky Items/Scrap Metal
- ☐ Animal Waste
- ☐ Waste oil
- ☒ Greywater
- ☐ Sludges
- ☐ Contaminated soil and/or water
- ☐ Other (describe): _____

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** – 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
Scrap Metal	ASTs, drums, equipment	~1,000 m3	Clean, crush/cut and consolidate	On-site engineered landfill
Waste Oil / Sludges	Drums, ASTs	13,000 L	N/A	Removal for off-site disposal
Hazardous	Coolant, fuel	10m3	N/A	Removal for off-site disposal
Solid Waste	Building materials, scrap metal, etc.	5,000 m3	Double bag	On-site engineered landfill
Sewage	Blackwater	20 people	Solidifed	Off-site disposal
Greywater	Greywater	20 people	Filtration/treatment	On-site > 100m from a waterbody

16. OTHER AUTHORIZATIONS – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

Authorization: __Land Use Permit / Quarry Permit _

Administering Agency: __CIRNAC / _____

Project Activity: Remediation of the Isacshen Former HAWS, Ellef Ringnes Island, Baffin, NU

(expected date) of issuance: Jan 01, 2027 Date of expiry: Jan 01, 2032

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.

An Environmental Impact Assessment (EIA) was completed for the Project and submitted as part of the NIRB screening. Upon review of the EIA, the NIRB provided the following feedback: "the NIRB is of the view that the project proposal is not likely to cause significant public concerns, and it is unlikely to result in significant adverse environmental and social impacts."

18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER

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

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).
N/A

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.

During January 2026 a Community Engagement meeting was held at the South Camp Inn in Resolute Bay, Nunavut with members from the two communities closest (Resolute Bay and Grise Fiord) to the site to present and receive feedback on the current decommissioning and clean-up plans for the site.

21. SECURITY INFORMATION

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 *Mine Site Reclamation Policy for Nunavut,* Indian and Northern Affairs Canada, 2002.

22. FINANCIAL INFORMATION **N/A**

Provide a statement of financial responsibility. If the applicant is a business entity, provide a list of the officers of the company. If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

Not applicable. Proponent is a Federal Deparment.

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

Summary of Remedial Action Plan (RAP) Isachsen High Arctic Weather Station (HAWS), (Kuukyoak, 2026)
Environmental Impact Assessment (Dillon Consulting & Outcome Consultants, 2026)
Emergency Response Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut (Kuukyoak, 2026)
Erosion and Sediment Control Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut (Kuukyoak, 2026)
Spill Prevention Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut (Kuukyoak, 2026)
Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut (Kuukyoak, 2026)

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction
Proposed Start Date: April 15, 2027 (month/year) Proposed Completion Date: May 29, 2031 (month/year)

Operation
Proposed Start Date: _____N/A_____ (month/year) Proposed Completion Date: _____N/A_____ (month/year)

Closure
Proposed Start Date: _____N/A_____ (month/year) Proposed Completion Date: _____N/A_____ (month/year)

Post - Closure
Proposed Start Date: _____N/A_____ (month/year) Proposed Completion Date: _____N/A_____ (month/year)

For each applicable phase of development indicate which season(s) activities occur.

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

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): _____5_____ years

Requested Date of Issuance: __Dec 15, 2026__ (month/year) Requested Expiry Date: ___Dec 15, 2031__ (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least 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 *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting***,** provide details regarding the content of annual reports and a proposed outline or template of the annual report.

The project will use NWB's Standardized Form for Annual Reporting.

27. **CHECKLIST –** The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

☒ Yes ☐ No If no, date expected _____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

☒ Yes ☐ No If no, date expected _____

Completed General Water Licence Application form.

☒ Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☒ Yes ☐ No If no, date expected _____

English Summary of Application.

☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

☒ Yes ☐ No If no, date expected _____

Application Fee of $30.00 CDN (Payee 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 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 _____

28. **SIGNATURE**

Owen Wade	Contaminated Sites Officer		
Name (Print)	**Title (Print)**	**Signature**	**Date**

2.0 Checklist and Tabular Information in support of Application

2.0 Minimum Application Requirements (Application Checklist)

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	NWB Concordance Assessment
Minimum Application Requirements	1	General Water Licence Application Form (see the NWB's *Guide 4: Completing and Submitting a Water Licence Application for a New Licence*) or Application for Water Licence Amendment Form, if appropriate (see NWB's *Guide 7: Licensee Requirements Following the Issuance of a Water Licence*).	**Y**		**General Water Licence Application Owen Wade (ECCC) Sept 2026**		**Application Form**	
	2	Information required to satisfy the requirements of the SIG including plans, reports and designs.	Y		**General Water Licence Application Owen Wade (ECCC) Sept 2026**		Section 1 and Appendix A and C of Application Package	
	3	Executive summary in english.	Y		Executive Summary in Water Licence Application package. Don Plenderleith, Sept 2026		Page 3 of Application Package	
	4	Translated executive summary in appropriate language and dialect.	Y		Executive Summary Translsted into Inuktitut and included in Water Licence Application package. Don Plenderleith, Sept 2026		Page 4 and 5 of Application Package	
	5	Application fee.	N/A	This application is being made on behalf of the Government of Canada.	N/A		N/A	
	6	Water use fee.	N/A	This application is being made on behalf of the Government of Canada.	N/A		N/A	
	7	A table indicating concordance of the application and supporting documents to the Guidelines. These generic Guidelines are provided in excel as a tool for applicants to provide the necessary concordance table.	Y		**General Water Licence Application Owen Wade (ECCC) Sept 2026**		Section 1 of Application Package	

Qualifications:

1 Applications that do not include all of the items listed above will be returned to the applicant as incomplete with a request for the deficient information.
2 If more than one licensable activity or facility is proposed that requires a water licence (eg. multiple water sources, waste deposits, structures, crossings, etc.) the required information must be provided for each activity or facility.
3 Information between all documents that make up the application package must be consistent and must be accurately cross referenced.
4 The application must distinguish between recommendations or options and actual commitments to chosen alternatives.
5 For additional guidance regarding the submission of electronic documentation, see the NWB's *Guide 6: Electronic Documentation: Submissions and Registry* .
6 The applicant, where practical, may combine components of the information requested in the SIG into more concise plans to provide clarity and eliminate duplication. If this practice is considered, then the applicant must clearly outline, through proper referencing and clearly detailed statements, how the NWB should consider the documents that have combined elements of information. Information management is the responsibility of the applicant.
7 The applicant must submit a concise executive summary of the application package. In addition, the Applicant shall submit an executive summary for each separate supporting document, report or study. All executive summaries shall be provided in English, Inuktitut and/or Inuinnaqtun (where applicable).

The applicant must complete the yellow columns of the worksheet(s). Blue columns are for NWB use only.

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Applicant	**1**	Provide the full name of the applicant and contact person including contact information (position, phone number, address, fax number and email address).	Y				General Water Licence Application Section 1		
Applicant Representative	**2**	Provide the name and contact information of any party submitting the application on behalf of the applicant (including position, phone number, address, fax number and email address).	Y				General Water Licence Application Section 2		
	3	Provide a signed letter authorizing a party to be the applicant's representative in the licensing process.	N/A	This application is being made on behalf of the Government of Canada.					
Name of Project	**4**	Provide the name of the project.	Y				General Water Licence Application Section 3		
Location of Undertaking	**5**	Provide coordinates of the project extents.	Y				General Water Licence Application Section 4		
	a	Provide location by Latitude and Longitude (degrees, minutes and seconds).	Y				General Water Licence Application Section 4		
	b	Provide location by UTM coordinates, if available.	Y				General Water Licence Application Section 4 Degrees, Minutes, Seconds		
	c	Provide the distances to the nearest communities.	Y		Environmental Impact Assessment (EIA): Section 3.1, Nunavut (DOJV, 2025)		Application Package, Appendix B, first report		
	6	Indicate whether the drainage basin, in which the project is located, is shared with any other jurisdiction. If applicable, indicate which jurisdiction.	N/A	The project is not shared with any other jurisdiction.					
Map	**7**	Provide a map at a 1:50,000 scale based on the National Topographic Series indicating the location of the undertaking, watercourses and the location of waste deposits. Additional maps at various scales may be provided if those maps will provide additional information or clarification. All additional maps must indicate the scale, map sheet number, and location of north.	Y				Application Package Appendix A - NTS Map Sheet and additional maps and plans		
Nature of Interest in the Land	**8**	Provide the nature of the interest in the land associated with the proposed undertaking, including:	Y				General Water Licence Application Section 6		
	a	Sub-surface leases from Nunavut Tunngavik Incorporated (NTI) and/or Indian and Northern Affairs Canada (INAC) as well as surface authorizations from INAC for crown land use, a Designated Inuit Organization (DIO) for Inuit Owned Land (IOL) use, or the Government of Nunavut for Commissioner's land use. Provide the permit or licence numbers.	N/A	Not applicable to this project.					
	b	The date or expected date of issuance of any authorization and the date of expiry.	Y				General Water Licence Application Section 6		
	9	Indicate whether the applicant is the name of the entity holding the authorization for the interest in the land and if not, provide the name of the entity holding the authorization.	Y				General Water Licence Application Section 6		
NPC Determination	**10**	Provide written confirmation from the NPC confirming that NPC's requirements under the NLCA regarding land use plan conformity (Article 11 of the NLCA) have been addressed.	Y		NPC Conformity Determination letter received June 3, 2026		Application Package Appendix B		
NIRB Determination	**11**	Provide written confirmation from the NIRB confirming that NIRB's requirements under the NLCA regarding development impact assessment (Article 12 of the NLCA) have been or are in the process of being addressed. Documentation may include:	Y		NIRB Screening Decision letter received Aug 28, 2026		Application Package Appendix B		
	a	Written confirmation from NIRB that the project proposal does not require screening;	Y		NIRB Screening Decision letter received Aug 28, 2026		Application Package Appendix B		

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	b	NIRB's screening determination;	Y		NIRB Screening Decision letter received Aug 28, 2026		Application Package Appendix B		
	c	If a review is required, NIRB's recommendation to the Minister regarding the type of review;	NA						
	d	If a review is required, the Minister's written decision regarding the review of the development proposal;	NA						
	e	If a review is required, NIRB's project certificate;	NA						
	12	List of activities requested for exception in accordance with NLCA s. 12.10.2;	N/A	Activity is not requested for exception.					
	13	Indicate whether any Type B water licence application is for an activity to be considered for interim, short term approval in accordance with NLCA s. 13.5.5.	N/A	No activities in interim.					
Description of Undertaking	14	See section 4 of this SIG for specific requirements.							
Other Applicable Supplemental Information Guidelines	15	Indicate whether any other Supplemental Information Guidelines apply to the undertaking including the following:	Y		Tourist or Remote Camp		General Water Licence Application Section 11 and Tables 6, 7 and 8 herein		
	a	Hydrostatic testing	N/A	Not within Project Scope.					
	b	Tannery	N/A	Not within Project Scope.					
	c	Tourist / remote camp	Y				General Water Licence Application Section 11		
	d	Landfarm and on-site storage of hydrocarbon contaminated soil	N/A	Not within Project Scope.					
	e	Onshore oil and gas exploration drilling	N/A	Not within Project Scope.					
	f	Mineral exploration/ remote camp	N/A	Not within Project Scope.					
	g	Advanced exploration	N/A	Not within Project Scope.					
	h	Mine development	N/A	Not within Project Scope.					
	i	Municipal	N/A	Not within Project Scope.					
	j	General Water Works	N/A	Not within Project Scope.					
	l	Power	N/A	Not within Project Scope.					
Options (Alternatives)	16	Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.	N/A	No alternatives possible.					
Water Use	17	See section 6 of this SIG for specific requirements							
Water Use: Quality and Quantity	18	See section 6 of this SIG for specific requirements							
Waste Disposal	19	See section 7 of this SIG for specific requirements							
Waste Disposal: Quality and Quantity	20	See section 7 of this SIG for specific requirements							
Other Authorizations	21	Provide a list of any authorizations required in relation to the project in addition to the water licence. For each additional authorization required for the project, provide the name of the authorization, the administering agency, the project activity requiring the authorization, the date or expected date of issuance and the date of expiry. Provide a description of how those authorizations may affect the NWB's water licensing process.	Y				General Water Licence Application Section 16		
	22	Provide formal applications to the Navigable Waters Protection Program (NWPP) for any works if applicable.	N/A	Not within Project Scope.					
	23	Provide a timetable for filing the appropriate plans and procedures required by government parties.	Y				General Water Licence Application Section 16		
	24	Indicate whether the applicant/ licensee holds any existing water licences. If applicable, provide the licence number and expiry date of any existing water licences.	N						

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Predicted Environmental Effect and Proposed mitigation measures	**25**	Identify the potential effect of water use and waste disposal on the following components:	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
	a	Groundwater and Surface Water including:	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
		changes in flow (including seasonal rate of flow)	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
		quantity	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
		quality	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
	b	Land including:	Y		Environmental Impact Assessment (DOJV, 2026)		General Water Licence Application Section 17		
		geologic structure change	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.3 - Effects and Mitigation on Geomorphology		
		soil contamination	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.5 - Effects and Mitigation on Soils		
		compaction, settling and erosion	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.3 - Effects and Mitigation on Geomorphology		
		alteration of the permafrost regime	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.3.3.2 - Site Remediation		
		riparian zone loss	N/A	No anticipated riparian zone loss.	Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.3 - Effects and Mitigation on Geomorphology		
	c	Vegetation including:	Y		Environmental Impact Assessment (DOJV, 2026)		General Water Licence Application Section 17		
		species composition and abundance	N/A	Working in previously disturbed area with no vegetation					
		non-native species introduction	N/A	Working in previously disturbed area with no vegetation					
		accumulation of toxins and heavy metals (in relation to remediation objectives for closure)	N/A	Working in previously disturbed area with no vegetation					
	d	Aquatic Ecosystems including:	Y		Environmental Impact Assessment (DOJV, 2026)		General Water Licence Application Section 17		
		fish	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.5.3.2 - Fish and Fish Habitat		
		benthic invertebrates	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.2.4 - Human Health and Ecological Risk Assessment		
		plankton	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.5.3.2 - Fish and Fish Habitat		

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
	26	See sections 5, 6, 7 and 8 of this SIG for additional information requirements							
Existing and Other User Water Rights	**27**	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 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.	NA	No persons or properties identified.	None		General Water Licence Application Section 18 to 20		
	28	Provide a description of any potential effects of the project on the persons or properties identified in item 27 of this section.	N/A	No persons or properties identified.			Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
	29	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the persons or properties identified in item 27 of this section.	N/A	No persons or properties identified.			Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
	30	Indicate whether compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.	N/A	No persons or properties identified.			Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
Inuit Water Rights	**31**	Provide a description of any potential effects of the project on the quality, quantity, or flow of waters flowing through Inuit Owned Land (IOL).	N/A	No waters flowing through IOL identified.					
	32	Provide a description of the measures incorporated into the project design to mitigate effects of the project on the quality, quantity, or flow of waters flowing through IOL.	N/A	No waters flowing through IOL identified.					
	33	Indicate wheter an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO); or if the parties have	N/A	Not within Project Scope.					
Consultation	**34**	Provide a summary of any consultation meetings including when the meetings were held, where and with whom.	Y				General Water Licence Application Section 20		
	35	Provide a summary of the results of consultation meetings including a list of concerns expressed and measures proposed to address concerns.	Y				General Water Licence Application Section 20		
Security	**36**	Provide a financial security assessment that includes the following:	N/A	This application is being made on behalf of the Government of Canada.					
	a	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;	N/A	This application is being made on behalf of the Government of Canada.					
	b	The cost of having the necessary reclamation work done by a third-party contractor if the operator defaults;	N/A	This application is being made on behalf of the Government of Canada.					
	c	Contingency factors appropriate to the particular work to be undertaken.	N/A	This application is being made on behalf of the Government of Canada.					
Abandonment and Restoration	**37**	Provide plans for the abandonment and restoration of facilities.	N/A	Not within Project Scope.					
	38	Provide a list and description of any existing abandoned or restored site facilities.	N/A	Not within Project Scope.					
Financial Information	**39**	Provide a statement of financial responsibility.	N/A	This application is being made on behalf of the Government of Canada.					
	40	If the applicant is an entity for which audited financial statements are issued, a copy of the most recent audited financial statements must be attached to the statement of financial responsibility.	N/A	This application is being made on behalf of the Government of Canada.					
	41	Provide the name of the corporation, limited company or other business entity, with a list of the officers of the company and a copy of the Certificate of Incorporation or evidence of registration of the company name.	N/A	This application is being made on behalf of the Government of Canada.					

3.0 General Water Licence Application

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Studies and Designs	**42**	Provide a list of studies, reports and plans relevant to the application that have been undertaken to date.	Y				General Water Licence Application Section 23		
Proposed Time Schedule	**43**	Provide the proposed start and completion dates for each phase of development (construction, operation, closure) and any anticipated periods of seasonal shut down.	Y				General Water Licence Application Section 24		
Proposed Term of Licence	**44**	Provide a proposed term of licence including the expected date of licence issuance and the expected date of licence expiry.	Y				General Water Licence Application Section 25		
Annual Reporting	**45**	Provide detailed information regarding the content of annual reports and a proposed outline or template of the annual report. The annual report should include the following:	Y				General Water Licence Application Section 26		
	a	Water related monitoring results;	Y				General Water Licence Application Section 26		
	b	A description of how the conditions in any NIRB screening decision related to the NWB mandate have been implemented;	Y	NIRB requires an Annual Activity Report as specified in their Decision Report			Appendix B NIRB Screening Decision Report, page 15		
	c	Any actions taken in response to direction provided by the Inspector.	Y	Standard Annual Report to NWB			General Water Licence Application Section 26		
Renewals and Amendments	**46**	If the application is for a renewal or amendment of an existing licence provide the water licence number and the date of water licence expiry.	N/A	The application is not for a renewal or amendment of an existing license.			General Water Licence Application Section 27		
	47	If the application is for a renewal or amendment of an existing licence, provide a compliance assessment/status report. This report must document the status of compliance for each condition of the existing water licence taking into consideration inspector dialogues and inspector directions, responses to inspector dialogues and inspector directions, spills that may have occurred, and any reporting requirements. The report must indicate when facilities were inspected by regulatory agencies and list any spills that may have occured including a description, location shown on a map, and the action taken to address the affected area.	N/A	The application is not for a renewal or amendment of an existing license.			General Water Licence Application Section 27		

4.0 Project Description

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Description of Undertaking	**1**	Provide a complete description of the undertaking with detailed site plan(s) of all infrastructure. Include maps and/or aerial photos with scales that allow the determination of distances between the objects depicted. Differentiate any temporary components from permanent components. Consider the following in providing the description:	Y		Remedial Action Plan (RAP) Summary and Figures (Kuukyoak, 2026)		RAP Summary - Appendix C, Figures - Appendix A		
	a	Camp site;	Y		Remedial Action Plan (RAP) Summary and Figures (Kuukyoak, 2026)		RAP Summary - Appendix C. Figure 11 Appendix A		
	b	Raw water intake;	Y		General Water Licence Application Section 13		General Water Licence Application Section 13		
	c	Water storage and treatment facilities;	Y		General Water Licence Application Section 13		General Water Licence Application Section 13	Preliminary information provided with application. To be defined by Remediation Contractor in their Waste Management Plan following contract award	
	d	Wastewater collection, disposal, treatment, and discharge facilities;	Y		General Water Licence Application Section 15		General Water Licence Application Section 15	Preliminary information provided with application. To be defined by Remediation Contractor in their Waste Management Plan following contract award	
	e	Existing water bodies/courses and any changes to these water bodies/courses that may have or may occur as a result of water use or waste disposal facilities.	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report, Section 3.6.3.4 - Effects and Mitigation on Hydrology and Hydrogeology		
	f	Location of any receiving water bodies and drainage pathways;	Y				Appendix B - NTS Map Sheet		
	g	Solid waste disposal facilities;	Y		General Water Licence Application Section 15, RAP Summary Report		RAP Summary - Appendix C. Figures Appendix A		
	h	Hazardous waste disposal facilities (including waste oil);	Y		General Water Licence Application Section 15 and RAP Summary Repport		RAP Summary - Appendix C.	Preliminary information provided with application.Hazardous waste to be disposed off-site. Hazardous waste disposal facility (off-site) to be defined by Remediation Contractor in Waste Management Plan	
	i	Fuel and chemical storage facilites (including empty barrels);	Y		RAP Summary Report and Spill Prevention Plan (Kuukyoak, 2026)		Both in Appendix C	Preliminary information provided with application.Fuel and chemical storage facilities to be defined by Remediation Contractor in Spill Prevention Plan	
	j	Traditional water use and land use areas that may be impacted by the project;	N/A	No traditional water use in the project area					
	k	Transportation access routes and details of water course crossings;	Y		Figure 11		Figure 11 - Appendix A	Preliminary information provided with application. Access routes and details of water course crossings to be defined by Remediation Contractor in Access Development Plan	
	l	Locations of environmental monitoring sites;	N/A	Not applicable to the Project.					
	m	Abandoned and/or restored facilities;	Y		22 Abandoned Buildings, none to be restores: RAP Summary Report (Kuukyoak, 2026)		RAP Summary - Appendix C.		
	n	Existing on site infrastructure;	Y		22 Abandoned Buildings, none to be restores: RAP Summary Report (Kuukyoak, 2026)		RAP Summary - Appendix C Figures Appendix A.		
	o	Others: (describe)	N/A	Not applicable to the Project.					
Camp	**2**	Provide a description of the purpose of the camp. Indicate whether the camp will be used for any of the following purposes:	Y				General Water Licence Application		
	a	North warning site	N						
	b	Military training	N						
	c	Site remediation	Y		Temporary/Seasonal Camp for up to 40 persons		Genderal Water Licence Application, Camp location on Figure 11, Appendix A	Preliminary information provided with application. Size of workforce be defined by Remediation Contractor	
	d	Mineral exploration (see the NWB's SIG for Mineral Exploration / Remote Camp (MM1))	N/A	Not within Project scope.					
	e	Research	N/A	Not within Project scope.					
	f	Tourism	N/A	Not within Project scope.					
	g	Other: (describe)	N/A	Not within Project scope.					

3	Classify the camp as one of following:	Y				General Water Licence Application		
a	Mobile (self propelled)	N						
b	Temporary	Y				General Water Licence Application		
c	Seasonally occupied (provide months occupied)	Y				General Water Licence Application	Work season will be 4 to 6 months per year. To be defined by Remediation Contractor in their Schedule, included with their Technical Proposal.	
d	Permanent	N						
e	Other: (describe)	N						
4	Provide the design, maximum and average populations of the camp	Y		Average population 20, maximum 40		General Water Licence Application	To be defined by Remediation Contractor in their Schedule, included with their Technical Proposal.	
5	Provide a description of how the location of the camp was selected. Indicate whether assistance from the Regional Inuit Association Land Manager was obtained in selecting the site.	Y		Central to the work areas and airstrip at the site		Figure 11, Appendix A	Based on 5 years of experience at the site	

5.0 Baseline Information

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Environmental Setting	**1**	Provide a description of the site using maps and/or aerial photos with scales that allow the determination of distances between the objects depicted.	Y		Remedial Action Plan (RAP) Summary and Figures (Kuukyoak, 2026)		RAP Summary Appendix C, Figures Appendix B		
	2	Provide a description of the site history if it has been used in the past.	Y		RAP Summary,) Kuukyoak, 2026)		Appendix C - Environmental Studies and Reports		
	3	Indicate whether any baseline information has or will be collected as part of this project.	Y		Environmental Impact Assessment (DOJV, 2025)		Appendix C - Environmental Studies and Reports		
	a	Physical environment	Y		Environmental Impact Assessment (DOJV, 2025)		Appendix C - Environmental Studies and Reports		
	b	Biological environment	Y		Environmental Impact Assessment (DOJV, 2025)		Appendix C - Environmental Studies and Reports		
	c	Socio-economic environment	Y		Environmental Impact Assessment (DOJV, 2025)		Appendix C - Environmental Studies and Reports		
	d	Other	N/A	Not within Project scope.					
	4	Provide a description of the results of any consultation with Elders regarding the collection of baseline data.	Y		Community Engagement Event Report (NOJV, 2026)		Provided for NIRB Review		
	5	Provide a description of the historical uses of the waters affected by the project.	Y	No historic use of water affected by the project.					
	6	Provide a description of any traditional uses of water in the project area.	N/A	No traditional uses of water in project area.					
Fisheries	**7**	If applicable, provide baseline data and an evaluation of baseline data describing fish and fish habitat in the project area. The applicant is advised to consult with DFO regarding fish and fish habitat related issues and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm. Indicate whether the applicant has consulted with DFO and provide the results of any consultation.	Y		Environmental Impact Assessment (DOJV, 2025)		Section 3.5.3.2 - Fish and Fish Habitat		

6.0 Water Use: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Water Use	**1**	Provide a detailed description of all types of water uses including: (See the NWB definition of "use" in the NWB Guide 2: Terminology and Definitions). Categorize water consumption use(s) as either industrial use and/or domestic use.	Y				General Water Licence Application Sections 12 & 13		
	a	Obtain water for domestic purposes	Y				General Water Licence Application Section 13		
	b	Obtain water for industrial purposes	Y		For compaction of engineered fills		General Water Licence Application Section 13		
	c	To cross a water course	Y		Improvements potentially required of culvert stream crossings		Figure 11: Appendix A		
	d	To alter the flow of water, or store water	N/A	Not applicable to the Project.					
	e	Flood control	N/A	Not applicable to the Project.					
	f	To divert a watercourse	N/A	Not applicable to the Project.					
	g	To modify the bed or bank of a watercourse	N/A	Not applicable to the Project.					
	h	Others:	N/A	Not applicable to the Project.					
	2	If any of the sub categories c through g of item 1 of this section apply to the project, please refer to the NWB's SIG for Water Works (M1).	N/A	Not within Project scope.					
Water Use: Quality and Quantity *Water Intake* ***Identify uses as either domestic or industrial***	**3**	Provide the name of the primary water source as well as the name of any alternative water source(s).	Y		Meltwater ponds and un-named river to north of airstrip		Figure 1, Appendix A		
	4	Provide a description of the source of water and the location of the water source as shown on a map.	Y		Meltwater ponds and un-named river to north of airstrip		Figure 1, Appendix A		
	5	Indicate the type of water source(s) as lake, river, well, or other type.	Y		Meltwater ponds and un-named river to north of airstrip				
	6	Provide a description of the quality of the water from the source for each season (summer, fall, winter, spring).	Y		Water quality in un-named river was tested for metals conpared to Canadian Drinking Water Standards and found acceptable.				
	7	Provide the capacity of the water source.	Y		River to the north of the camp is abundantly capable of supplying the quantity of water for all purposes				
	8	Provide the acquisition rate in cubic metres per day and cubic metres per year.	Y		Between 50 and 300 cubic metres per day		General Water Licence Application Section 12		
	9	Provide a description of the water intake method including the intake facility, the operating capacity of the pump used, the details of any screening to exclude fish, and the distance the pump will be placed from the ordinary high water mark of the watercourse.	Y		Expected pumping into a water truck with a hose screened to prevent fish uptake			Information to be defined by Remediation Contractor in their Environmental Protection Plan. Screening of intake hoses to prevent uptake of fish will be required in the specifications.	
	10	Provide a description of the general condition of any existing water intake facility. Rate the condition of the facility as satisfactory or unsatisfactory and explain the rating.	N/A	No existing water intanke facility.					

	11	Indicate whether water is drawn from the source intermittently or continuously and if intermittently indicate during what months it is drawn and for what period it is drawn (days/weeks/months).	Y		Likely intermittantly			Information to be defined by Remediation Contractor in their Environmental Protection Plan	
	12	Indicate the amount of water to be returned to the source.	N/A	No water to be returned to the source.					
	13	Provide a description of the methods to ensure water returned to source is of an acceptable quality.	N/A	No water to be returned to the source.					
	14	Provide a description of any measures to reduce water consumption.	N/A						
Predicted Environmental Effects and Proposed mitigation measures	**15**	Provide a description of the effects of water usage on the source from which water will be drawn, including the potential for drawdown.	Y	The river to the north has significant base flow year round and water drawn for the camp will not have a significant impact on it. It was used during Station's operational phase.					
Fisheries	**16**	If applicable, provide a description of any potential impacts to fish and/or fish habitat. (Indirect effects may include project effects, water quality, or aquatic organisms. Direct effects may include degradation or alteration of fish habitat). The applicant is advised to consult with DFO regarding fish and fish habitat related issues and to visit DFO's website at http://www.dfo-mpo.gc.ca/habitat/habitat-eng.htm.	Y		Environmental Impact Assessment (DOJV, 2026)		Appendix C, EIA Report Section 3.5.3.2 - Fish and Fish Habitat		

7.0 Waste Disposal: Quality, Quantity, Predicted Environmental Impact and Proposed Mitigation Measures

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Waste Disposal	**1**	Provide a detailed description of all types of waste and all forms of waste disposal including: (see the NWB definition of Waste in the NWB *Guide 2: Terminology and Definitions*)	Y				General Water Licence Application Section 14 and 15 Appendix C - Environmental Studies and Reports		
	a	Sewage (Blackwater)	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
	b	Grey water	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
	c	Solid waste	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
	d	Bulky items/ scap metal	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
	e	Hazardous waste including waste oil	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
	f	Empty barrels of fuel	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
	g	Other:(describe)	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans		
Waste Disposal: Quality and Quantity	**2**	For each type of waste, provide the composition and quantity generated. Also provide the location, rate, timing, frequency and duration of the deposit.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans	Information for legacy waste included with RAP Summary. Information on location, rate, timing, frequency and duration of deposit of contractor generated waste to be defined by chosen Remediation Contractor in their Waste Management Plan	
	3	For each type of waste, provide the proposed methods and processes for collecting, storing, treating and discharging the waste. Indicate the capacity of these facilities.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		General Water Licence Application Section 14 and 15 Appendix C - Environmental Reports and Management Plans	Information for legacy waste included with RAP Summary. Information on location, rate, timing, frequency and duration of deposit of contractor generated waste to be defined by chosen Remediation Contractor in their Waste Management Plan	
	4	If an incineration system is proposed, provide a description of the system and the types of wastes that will be incinerated.	Y		Incineration of domestic waste is an option in Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)			Preliminary information included with Waste Management Plan (Kuukyoak, 2026). Description of incineration system and types of waste to be incinerated to be defined by Remediation Contractor in their Waste Management Plan.	
	5	Provide a description of how non-combustible wastes will be disposed. If disposal at a municipality in Nunavut is proposed, indicate whether authorization has been granted.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		Appendix C - Environmental Reports and Management Plans		
	6	If sumps are proposed, provide a description of their location relative to water bodies and camp facilities, dimensions, volume, and freeboard.	Y					Sumps are expected for erosion and sediment control, but not for containment of camp greywater. Information regarding the location, dimension, volume and freeboard of sumps to be included with the Remediation Contractor's Erosion and Sediment Control Plan.	
	7	Provide a description of any measures to minimize the production of wastes.	N/A	Waste generated from camp operations will be disposed of off-site, including incinerated waste. Volume of waste designated for on-site disposal should not change.					

Proposed Waste Facilities	**8**	For each proposed waste facility provide design plans. The designs shall consider the following:	Y						
	a	Site photos, site map, or air photos of the site.	Y				Figures - Appendix A		
	b	Description of the existing condition of the site (see Section 5).	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)				
	c	A description of the types of waste entering the facility.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)				
	d	Distance of the facility from watercourses and fish bearing waters.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)				
	e	Existing and proposed drainage modifications.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)				
	f	Details of retaining structures.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)			Description of retaining structures to be defined by Remediation Contractor in their Waste Management Plan.	
	g	Level of treatment (primary, secondary or tertiary).	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)			Preliminary information included with Waste Management Plan (Kuukyoak, 2026). Description of level of treatment to be defined by Remediation Contractor in their Waste Management Plan.	
	h	By products of treatment which may require further treatment, characterization, handling and disposal.	Y		Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)			Preliminary information included with Waste Management Plan (Kuukyoak, 2026). Description of treatment by-products to be defined by Remediation Contractor in their Waste Management Plan.	
	i	Capacity and retention time of the facility;	Y					To be defined by Remediation Contractor in their Waste Management Plan.	
	j	Identification of final discharge point (last point of control).	Y					To be defined by Remediation Contractor in their Waste Management Plan.	
	k	Method and type of discharge (seasonal, annual, continuous).	Y					To be defined by Remediation Contractor in their Waste Management Plan.	
	l	Estimated rates for discharge.	Y					To be defined by Remediation Contractor in their Waste Management Plan.	
	m	Restrictions on discharge.	Y					To be defined by Remediation Contractor in their Waste Management Plan.	

n	Discharge effluent criteria proposed;	Y	Blackwater/Biosolids to be collected seperately from Greywater and disposed off-site or incinerated. Greywater from camp facilities to undergo primary treatment to remove solids, followed by a land application method at least 100m from waterbody.	Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		Waste Management Plan: Appendix C		
o	Receiving water quality objectives.	N/A		Waste water will not reach receiving waters				
p	Details regarding direction and path of wastewater flow from the area or infrastructure.	N/A		Waste water will not reach receiving waters			To be defined by Remediation Contractor in their Waste Management Plan.	
q	Design drawings in plan and profile, drawn to scale, including all relevant dimensions.	Y		Figures included in Appendix A		Appendix A	Conceptual design drawings included in Appendix A Final design drawings to be included with Tender Package.	
r	Details of design parameters including seismic design if applicable.	NA						
s	Start and completion dates for construction.	Y		Section 24 of Application Form and Conceptual Schedule included in RAP Summary Report		Section 24 of Application Form RAP Summary Report - Appendix C	Actual start and completion dates for construction to be defined by Remediation Contractor in their Basline Construction Schedule	
t	Construction schedule and sequence taking into account any timing restrictions.	Y		Conceptual Schedule included in RAP Summary Report), (Kuukyoak, 2026)		RAP Summary Report - Appendix C	Preliminary schedule included with RAP. Actual start and completion dates for construction to be defined by Remediation Contractor in their Basline Construction Schedule	
u	Construction methods.	Y		RAP Summary Report: Isachsen High Arctic Weather Station (HAWS), (Kuukyoak, 2026)		RAP Summary Report - Appendix C	Preliminary information included with RAP. Actual construction methods to be confirmed by Remediation Contractor as part of their Technical Submission.	
v	Equipment to be used.	Y		Assumed equipment list provided in LUP Application. Actual equipmment to be confirmed by contractor.			Actual equipment to be confirmed by Remediation Contractor as part of their Technical Submission.	
w	A description of the source, type, and composition of the material to be used in construction.	Y		Provided in Quarry Application		Provided in Quarry Application		
x	Construction monitoring plans.	Y					To be defined by Remediation Contractor in their Quality Management Plan	
y	Construction quality assurance and quality control measures.	Y					To be defined by Remediation Contractor in their Quality Management Plan	
z	Operation and maintenance plans	Y					To be defined by Remediation Contractor in their Technical Proposal	
aa	Contingency plans	Y					To be defined by Remediation Contractor in their Technical Proposal	

	bb	Abandonment and restoration plans (see items 37-38 of Section 3).	N/A	Abandonment/restoration of facilities not in scope					
	9	Final plans and drawings for construction must be stamped by a Professional Engineer licensed to practice in Nunavut. (See Section 7 of the NWB's *Guide 4: Completing and Submitting a Water Licence Application* for more information regarding design drawings).	N/A	Will be included in project Tender Package				Plans and drawings for construction are currently at a conceptual stage, included in Appendix A. Finals plans and drawings to be included with Tender Package.	
Predicted Environmental Effects and Proposed mitigation measures	**10**	Provide detailed treatment plans for discharges from any waste treatment facility. Waste treatment plans should include estimates of treatment efficiency for each parameter of concern.	Y					To be defined by Remediation Contractor in their Waste Management Plan.	
	11	Clearly outline proposed discharge criteria, how the criteria were developed, standards to be applied, and how these criteria will be used to prevent ecological effects in the receiving environment.	N/A	Greywater from camp facilities to undergo primary treatment to remove solids, followed by a land application method at least 100m from waterbody.					
Operations and Maintenance	**12**	Indicate whether the water supply and waste treatment and disposal methods have been used and proven in cold climates.	Y		Suitability for cold climates is a requirement for the Contractor to meet.			To be defined by Remediation Contractor in their Waste Management Plan.	
	13	Provide a description of any potential operational and maintenance problems that may occur.	Y		Emergency Response Plan (Kuukyoak, 2026) and Spill Prevention Plan (Kuukyoak, 2026)		Appendix C Emergency Response Plan.		
Hazardous Materials	**14**	Provide a description of the type and quantities of drilling additives, petroleum products, chemicals and/or hazardous materials on site (MSDS sheets are **not** required to be submitted as part of the water licence application).	Y		Spill Prevention Plan (Kuukyoak, 2026)		Appendix C Spill Prevention Plan		
	15	Provide details regarding the handling and storage of hazardous or potentially hazardous materials.	Y		Hazardous materials will be removed from the site for disposal. Waste Management Plan: Isachsen High Arctic Weather Station (HAWS), Nunavut, (Kuukyoak, 2026)		Appendix C Waste Management Plan	Hazardous materials will be removed from the site for disposal.	
Emergency Response and Spill Contingency	**16**	Provide an Emergency Response and Spill Contingency Plan (ERSCP) that includes mechanisms and processes for addressing potential or actual failure of structures, response equipment and material storage, and programs for providing appropriate training to workers. The plan shall address all licensed facilities.	Y		Emergency Response Plan (Kuukyoak, 2026) and Spill Prevention Plan (Kuukyoak, 2026)		Appendix C Emergency Response Plan.		

8.0 Monitoring

Section Title	Section No.	Information Requirement	Indicate whether Information Requirement is applicable by inserting ' Y ' or ' NA '	If 'NA' provide justification	Insert Title, Author and Date of Document where information is provided	Insert electronic file name of document where information is provided	Insert Section of document where information is provided	If information is not available at the time of application, indicate when the information will be made available	NWB Concordance Assessment
Monitoring	**1**	Provide a Monitoring Plan including a description of the methods, procedures, standards, and schedules proposed. Monitoring may be required for water use; effluent; surface and/or groundwater water quality, quantity, or flow; ground temperature; ground settlement; etc.	Y					Information to be defined in Remediation Contractors site-specific Quality Management Plan following contract award	
	2	Indicate who is responsible for sampling including that person's position, contact information and level of training.	Y					Information to be defined in Remediation Contractors site-specific Quality Management Plan following contract award	
	3	Indicate the name and contact information of the certified laboratory performing the analysis of samples.	Y					Information to be defined in Remediation Contractors site-specific Quality Management Plan following contract award	
	4	Provide an Inspection Plan including a description of the methods, procedures, standards, and schedules proposed. Inspections may be required for engineered facilities related to the management of water and waste as well as spills.	Y					Information to be defined in Remediation Contractors site-specific Quality Management Plan following contract award	
	5	Provide a Quality Assurance/ Quality Control (QA/QC) Plan that addresses both field sampling and laboratory analyses.	Y					Information to be defined in Remediation Contractors site-specific Quality Management Plan following contract award	
	6	Provide a summary table that details the monitoring plan. The table should include stations numbers, location, parameter(s) and frequency. Provide a map detailing the location of monitoring sites.	Y					Information to be defined in Remediation Contractors site-specific Quality Management Plan following contract award	

3.0 Closing Remarks

This application was completed by Kuukyoak on behalf of Environment and Climate Change Canada, following Nunavut Water Board Guidelines 3,4 and 5 and accurately conveys the currently planned remediation plan for the Isachsen High Arctic Weather Station.

We trust that this information is satisfactory for your requirements.

Sincerely,
Kuukyoak Ltd.



Michael Billowits, M.Sc.(Eng.), P.Eng.
Senior Project Director