



General Water Licence Application
West Kitikmeot Resources Corp.
Grays Bay Road and Port Project,
Field Research Program

Application Submission Date: **Dec 6, 2024**
Month/Day/Year

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NUNAVUT IMALIRIYIN KATIMAYIT
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT



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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) West Kitikmeot Resources Corp. PO Box 6, 30B Mitik Street Cambridge Bay, NU X0B 0C0 Attention.: Gavin Law, Environment Manager Phone: 403-837-5677 Fax: _____ e-mail: glaw@westkit.ca	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Sharleen Hamm Consulting Ltd. 102-17910 55 Ave Surrey, BC V4B 3V1 Attention: Sharleen Hamm Phone: 604-996-1110 Fax: _____ e-mail: sharleen@sharleenhamm.com (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Grays Bay Road and Port Project, Early Permitting/Impact Assessment Phase Kitikmeot Region, NU	

4. LOCATION OF UNDERTAKING

Project Extents

NW: Latitude: (° ' " N) Longitude: (° ' " W)
NE: Latitude: (° ' " N) Longitude: (° ' " W)
SE: Latitude: (° ' " N) Longitude: (° ' " W)
SW: Latitude: (° ' " N) Longitude: (° ' " W)

Name	Easting	Northing	Lat	Long	Lat_DMS	LongDMS	Coordinate_System
NW	430564	7590907	68.42	-112.69	68° 25' 20.46" N	112° 41' 31.28" W	WGS_1984_UTM_Zone_12N
NE	605042	7604289	68.53	-108.43	68° 31' 52.45" N	108° 25' 39.42" W	WGS_1984_UTM_Zone_12N
SW	383739	7308370	65.88	-113.55	65° 52' 31.02" N	113° 32' 58.92" W	WGS_1984_UTM_Zone_12N
SE	595985	7263390	65.48	-108.93	65° 28' 43.44" N	108° 55' 37.5" W	WGS_1984_UTM_Zone_12N

Camp Location(s)

Latitude: (° ' " N) Longitude: (° ' " W)

No camp is planned. Existing licenced facilities will be used for accomodations.

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

See attached Overview and Detailed Maps (possible areas of water use, at 1:50,000), and shapefiles

NTS Map Sheet No.: _____ Map Name: _____ Map Scale: _____

1:250,000		1:50,000							
076E	CONTWOYTO LAKE	0760E10		076K15		076M14	GRAYS BAY	086H14	COWLES LAKE
076F	NOSE LAKE	0760E11		076L01		076M15	HEPBURN ISLAND	086H15	
076K	MARA RIVER	0760E12	FINGERS LAKE	076L02	KATHAWACHAG A LAKE	076M16	INMAN HARBOUR	086H16	ROCKINGHORSE LAKE
076L	KATHAWACHAGA LAKE	0760E13	CONCESSION LAKE	076L03	BELANGER RAPIDS	076N02	WILBERFORC E FALLS	086I01	
076M	HEPBURN ISLAND	0760E14		076L04		076N03		086I02	
076N	ARCTIC SOUND	0760E15	UNIT LAKE	076L05		076N04		086I03	
077B	RICHARDSON ISLANDS	0760E16		076L06		076N05	TORP LAKE	086I04	WHITE SANDY RIVER
086H	POINT LAKE	0760E17		076L07		076N06		086I06	TAKIQUA LAKE
086I	NAPAKTULIK LAKE	0760E9		076L08	BELLANCA RAPIDS	076N07	BAILLIE BAY	086I07	
086P	KIKERK LAKE	076E08		076L09		076N10	WOLLASTON POINT	086I08	
087A	CAPE KRUSENSTERN	076F05		076L10		076N11	KATER POINT	086I09	
		076F06		076L11		076N12		086I10	
		076F07		076L12		076N13	GALENA ISLAND	086I11	
		076F10		076L13		076N14	MARCET ISLAND	086I14	INULIK LAKE
		076F11		076L14		076N15		086I15	
		076F12		076L15		077B01	PORDEN ISLANDS	086I16	
		076F13		076L16		077B02	WILMOT ISLANDS	086P01	
		076F14		076M01		077B03	CAPE BARROW	086P02	
		076F15		076M02		077B04		086P03	
		076K02		076M03		077B05	BATE ISLANDS	086P06	
		076K03		076M04		077B06		086P07	EOKUK LAKE
		076K04		076M05		077B07		086P08	
		076K05		076M06		077B08	CAPE FLINDERS	086P09	
		076K06	KUUVIK LAKE	076M07	HIGH LAKE	077B09	CAPE FRANKLIN	086P10	
		076K07		076M08		077B10		086P11	HANEROK RIVER
		076K10		076M09		077B11	WILBANK BAY	086P15	
		076K11		076M10		086H09		086P16	
		076K12		076M11	ANIALIK RIVER	086H10		087A01	NANUKTON ISLAND
		076K13		076M12	PORT EPWORTH	086H11		087A08	MILES ISLANDS
	076K14	SELLWOOD RIVER	076M13			086H13	CAROUSEL LAKE		

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: _____ Date of expiry: _____

Surface

Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: **March 1, 2025** Date of expiry: _____

Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: **17 June 2026**

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:

West Kitikmeot Resources Corp.

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

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

<input type="checkbox"/> North Baffin	<input type="checkbox"/> Keewatin
<input type="checkbox"/> South Baffin	<input type="checkbox"/> Sanikiluaq
<input type="checkbox"/> Akunniq	<input checked="" type="checkbox"/> West Kitikmeot

Is a land use plan conformity determination required?

Yes No

If Yes, indicate date issued and attach copy **#150253 issued on Sept 20, 2024**

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 [in process, file # 24YN049](#)

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.

[See attached Project Proposal](#)

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

[See attached Project Proposal](#)

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

<input type="checkbox"/> Industrial	<input type="checkbox"/> Agricultural
<input type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps)	
<input type="checkbox"/> Conservation	
<input type="checkbox"/> Municipal (includes camps/lodges)	<input type="checkbox"/> Recreational
<input type="checkbox"/> Power	<input checked="" type="checkbox"/> Miscellaneous (describe below):

[Other Undertaking, being Research](#)

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

<p>12. WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.</p> <p><input type="checkbox"/> To obtain water for camp/ municipal purposes <input type="checkbox"/> To obtain water for industrial purposes <input type="checkbox"/> To cross a watercourse <input type="checkbox"/> To alter the flow of, or store water <input checked="" type="checkbox"/> Other: To obtain water for research purposes, geotechnical drilling</p>	<p><input type="checkbox"/> To divert a watercourse <input type="checkbox"/> To modify the bed or bank of a watercourse <input type="checkbox"/> Flood control</p>
<p>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.</p> <p>Name of water source(s) (show location(s) on map): Various waterbodies at various locations, proximal to drill targets</p> <p>Describe the quality of the water source(s) and the available capacity: Quality has not been assessed and is assumed to be pristine. Quantity has not been assessed; use will not exceed 10% available capacity, wherein capacity will be assessed in advance of use</p> <p>Provide the overall estimated quantity of water to be used: up to 299 m³/day</p> <p>Provide the estimated quantity(s) of water to be used from each source: Various depending on drilling conditions</p> <p>Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) Up to 299 m³/day industrial (drilling, ice pad construction, ice strip maintenance)</p> <p>Describe the method of extraction(s): pump(s) with a screened intake</p> <p>Estimated quantity(s) of water returned to source(s) Various m³/day</p> <p>Describe the quality of water(s) returned to source(s): Unimpacted</p>	
<p>14. WASTE – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.</p> <p><input type="checkbox"/> Sewage <input checked="" type="checkbox"/> Solid Waste <input checked="" type="checkbox"/> Hazardous <input checked="" type="checkbox"/> Bulky Items/Scrap Metal <input type="checkbox"/> Animal Waste <input checked="" type="checkbox"/> Other (describe): Drill cuttings</p> <p><input checked="" type="checkbox"/> Waste oil <input type="checkbox"/> Greywater <input type="checkbox"/> Sludges <input checked="" type="checkbox"/> Contaminated soil and/or water</p>	

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. [See Waste Management Plan](#)

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method

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: Social Science Research Licence

Administering Agency: Nunavut Research Institute

Project Activity: [Baseline studies for impact assessment associated with the main project, Grays Bay Port and Road](#)

Date (expected date) of issuance: _____ Date of expiry: [Dec 29, 2024 \(to be subsequently renewed, as needed\)](#)

Authorization: Scientific Research Licence

Administering Agency: Nunavut Research Institute

Project Activity: [Baseline studies for impact assessment associated with the main project, Grays Bay Port and Road](#)

Date (expected date) of issuance: _____ Date of expiry: [Dec 30, 2024 \(to be subsequently renewed, as needed\)](#)

Authorization: Archaeology and Paleontology Research Permit

Administering Agency: Government of Nunavut, Department of Culture and Heritage

Project Activity: [Baseline studies for impact assessment associated with the main project, Grays Bay Port and Road](#)

Date (expected date) of issuance: [April 15, 2025](#) Date of expiry: _____

Authorization: Licence to Fish for Scientific Purposes

Administering Agency: Government of Canada, Department of Fisheries and Oceans

Project Activity: **Baseline studies for impact assessment associated with the main project, Grays Bay Port and Road**

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

Authorization: Wildlife Research Permit

Administering Agency: Government of Nunavut, Department of Environment

Project Activity: **Baseline studies for impact assessment associated with the main project, Grays Bay Port and Road**

Date (expected date) of issuance: _____ Date of expiry: **Oct 29, 2026 (to be subsequently renewed, as needed)**

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

Impacts are subject to screening-level assessment by the NIRB.

See attached Impact Mitigations Summary.

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.

None known

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

None

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).

No impacts anticipated

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.

See attached Engagement Log

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.

[Not applicable.](#)

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

[See attached Financial Statements. The applicant respectfully requests that, as a private entity, these statements be kept confidential.](#)

If the applicant is a business entity, provide a list of the officers of the company.

[Brendan Bell, Chief Executive Officer](#)

[Elliot Holland, Chief Operating Officer](#)

[Greg Jackson, Chief Financial Officer](#)

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

[See attached Certificate of Incorporation.](#)

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

[Baseline studies were commenced by the applicant in 2024 and reporting is currently ongoing.](#)

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: _____ Proposed Completion Date: _____
(month/year) (month/year)

Operation

Proposed Start Date: [03/2025](#) Proposed Completion Date: [12/2029](#)
(month/year) (month/year)

Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Post - Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (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): 10 years is requested to accommodate possible changes in schedule

Requested Date of Issuance: 03/2025 Requested Expiry Date: 02/2035
(month/year) (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 Standard Form will be used

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 [January 15, 2025](#)

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 _____
Issued

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 _____
Issued

28. SIGNATURE



Gavin Law	Environment Manager	6 Dec 2024
Name (Print)	Title (Print)	Signature

Items included in this submission:

- Application form
- Project Proposal (EN)
- Project Summary (EN, IQ, IN)
- NPC Referral Letter
- Impact Mitigation Summary
- Waste Management Plan
- Spill Contingency Plan
- Closure and Reclamation Plan
- Environmental Management Plan
- Engagement Log
- Overview Map (pdf, shapefiles)
- 1:50,000 Maps
- SIG: Water Works
- Authorization Letter