



## Application for Water Licence Renewal

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Month/Day/Year

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NUNAVUT WATER BOARD  
OFFICE DES EAUX DU NUNAVUT

## DOCUMENT MANAGEMENT

Original Document Date: April 2010

### DOCUMENT AMENDMENTS

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



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NUNAVUT WATER BOARD

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## APPLICATION FOR WATER LICENCE RENEWAL

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

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

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

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

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

**EXISTING LICENCE NO:** 2BE-FER1318

**1. LICENSEE CONTACT INFORMATION**

Is the licensee the same as that referred to on the existing licence?

☒ Yes    ☐ No

If No, a licence assignment must be completed and approved by the NWB. **A renewal will only be issued in the name of the current licensee in the absence of assignment of the licence.**

If the licensee is the same, but the name of the licensee has changed, attach a certificate of name change.

Name: Canadian North Resources and Development Corp. (CNRD)

Address: 299 Courtneypark Drive East  
Mississauga, Ontario, L5T 2T6

Phone: 905 629 1818 Ext. 223

Fax: 905 565 5983

e-mail: jspiteri@leeli.com

**2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.**

Name: Trevor Boyd

Address: 148 Lascelles Blvd.  
Toronto, Ontario  
M5P 2E6

Phone: 416 919 9017

Fax:

e-mail: boyd3@sympatico.ca

**3. NAME OF PROJECT**

Is the name of the project the same as that considered in the existing water license?

☒ Yes    ☐ No

Indicate the name of the project including the name of the location: Ferguson Lake Project located within Kivalliq Region, Nunavut

#### 4. LOCATION OF UNDERTAKING

Is the location of the undertaking the same as that considered in the existing water licence?

☒ Yes    ☐ No

##### Project Extents

NW:	Latitude: (62° 53 '35" N)	Longitude: (96 ° 54' 16 " W)
NE:	Latitude: (62 °53 '35" N)	Longitude: (96 ° 54' 03 " W)
SE:	Latitude: (62 °53' 29" N)	Longitude: (96 ° 54' 03 " W)
SW:	Latitude: (62° 53' 29" N)	Longitude: (96 ° 54' 16 " W)

##### Camp Location(s)

Latitude: (62° 53 ' 33" N)                      Longitude: ( 96° 54' 05" W)

#### 5. MAP

Are the locations of the main components of the undertaking the same as those considered in the existing licence?

☒ Yes    ☐ No

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

NTS Map Sheet No.: 065I15\_      Map Name: Ferguson Lake      Map Scale: 1;100,000

## 6. NATURE OF INTEREST IN THE LAND

Is the nature of the interest in the land the same as that considered in the existing water licence?

☒ Yes    ☐ No

Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

### Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☒ Mineral Lease from Aboriginal Affairs and Northern Development Canada (AANDC)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: Sept 7, 2018, anniversary date

### Surface

☐ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☒ IOL Authorization from Kivalliq Inuit Association (KivIA)

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: July 22, 2022

☐ 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: \_\_\_\_\_

Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence?

☒ Yes    ☐ No

If No, a licence assignment must be completed and approved by the NWB.

Name of entity(s) holding authorizations:

\_\_\_\_\_

## 7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Is the undertaking located in the same land use planning area as that considered in the existing licence?

☒ Yes ☐ No

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

☐ North Baffin  
☐ South Baffin  
☐ Akunnig

☒ Keewatin  
☐ Sanikiluaq  
☐ West Kitikmeot

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy. July 4, 2007

Does the proposed renewal change the original NPC conformity determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. \_\_\_\_\_  
If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

## 8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Was a screening determination required from NIRB prior to the issuance of the existing water licence?

Yes ☒ No

If Yes, indicate date issued and attach copy.

Does the proposed renewal change the original NIRB screening determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. \_\_\_\_\_  
If No, provide written confirmation from NIRB confirming that a screening determination is not required.

## 9. DESCRIPTION OF UNDERTAKING

Is the description of the undertaking the same as that considered in the existing water licence?

☒ Yes ☐ No

List and attach plans and drawings or project proposal.

## 10. OPTIONS

Are the alternative methods and locations that were considered to carry out the project the same as those considered in the existing water licence?

☒ Yes    ☐ No

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

## 11. CLASSIFICATION OF PRIMARY UNDERTAKING

Is the primary undertaking the same as that considered in the existing water licence?

☒ Yes    ☐ No

Indicate the primary classification of undertaking by checking one of the following boxes.

- |  |  |
|--|--|
| <input type="checkbox"/> Industrial  | <input type="checkbox"/> Agricultural                    |
| <input checked="" 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 type="checkbox"/> Miscellaneous (describe below): |

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

## 12. WATER USE

Is the type(s) of water use(s) the same as that considered in the existing water licence?

☒ Yes    ☐ No

Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes |   |
| <input checked="" type="checkbox"/> To obtain water for industrial purposes      | <input type="checkbox"/> To divert a watercourse                    |
| <input type="checkbox"/> To cross a watercourse                                  | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input type="checkbox"/> To alter the flow of, or store water                    | <input type="checkbox"/> Flood control                              |
| <input type="checkbox"/> Other: _____  |   |



### 13. QUANTITY OF WATER INVOLVED

Is the source of water the same as that considered in the existing licence?

☒ Yes ☐ No

Name of water source(s): \_\_\_\_\_ Ferguson Lake \_\_\_\_\_  
(show location(s) on map)

Is the quality of the water source and its available capacity the same as that considered in the existing licence?

☒ Yes ☐ No

Describe the quality of the water source(s) and the available capacity(s): \_\_\_\_\_ Water quality in the project area is generally good, but mineralized rock naturally exposed on surface may produce acid rock drainage

Is the overall estimated quantity of water to be used the same as that considered in the existing licence?

☒ Yes ☐ No

Provide the overall estimated quantity of water to be used: \_\_\_\_\_ 200 \_\_\_\_\_ m<sup>3</sup>/day

Are the quantity(s) of water to be used from each source the same as those considered in the existing licence?

☒ Yes ☐ No

Provide the estimated quantity(s) of water to be used from each source:

\_\_\_\_\_ same as above \_\_\_\_\_

Are the quantity(s) of water to be used for each purpose the same as those considered in the existing licence?

☒ Yes ☐ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.): \_\_\_\_\_

\_\_\_\_\_ same as above \_\_\_\_\_

Are the method(s) of extraction the same as those considered in the existing licence?

☒ Yes ☐ No

Describe the method(s) of extraction: \_\_\_\_\_ Water will be pumped from Ferguson lake with an electric pump and used for domestic purposes after ultra violet treatment. The water intake hose will have a screen. All water will be discharged to a sump after treatment using a rotating biological contractor or similar system. Water used for drilling will be obtained from local water sources proximal to the drill targets. Water will also be pumped with a hose with a screen at the intake.

Are the quantity(s) of water returned to source(s) the same as those considered in the existing licence?

☒ Yes ☐ No

Estimated quantity(s) of water returned to source(s): \_\_\_\_\_ 0 \_\_\_\_\_ m<sup>3</sup>/day

Are the quality(s) of water(s) returned to source(s) the same as those considered in the existing licence?

☒ Yes ☐ No

Describe the quality(s) of water(s) returned to source(s): \_\_\_\_\_ Greywater \_\_\_\_\_

**14. WASTE**

Are the type(s) of waste(s) to be generated and/ or deposited the same as those considered in the existing licence?

☒ Yes    ☐ No

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

☒ Sewage

☒ Solid Waste

☐ Hazardous

☐ Bulky Items/Scrap Metal

☐ Animal Waste

☐ Other (describe): \_\_\_\_\_

☒ Waste oil

☒ Greywater

☐ Sludges

☐ Contaminated soil and/or water

# 15. QUANTITY AND QUALITY OF WASTE INVOLVED

Are the quantity(s) of the types of wastes involved the same as those considered in the existing licence?

☒ Yes ☐ No

Are the composition(s) of the types of wastes involved the same as those considered in the existing licence?

☒ Yes ☐ No

Are the method(s) of treatment for the types of waste involved the same as those considered in the existing licence?

☒ Yes ☐ No

Are the method(s) of disposal for the types of waste involved the same as those considered in the existing licence?

☒ Yes ☐ No

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

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Sewage	Liquid/solid	n/a	Pacto Systems	Pacto Systems
Solid Waste	Solid	n/a	Incineration	Incineration
Greywater	Liquid	n/a	Discharged to a sump	Sump
Sludges	Liquid	n/a	Discharged to a sump	Sump
Diamond Drilling water	Liquid	100m / day (during drill program)	Discharged to a sump or caught in-situ and re-circulated and re-used.	Sump at each of the diamond drill sites

**16. OTHER AUTHORIZATIONS**

In addition to the sub-surface and surface land use authorizations provided in Block 6, are the same authorizations required as considered in the existing licence?

x Yes ☐ No

For each provide the following:

Authorization: Commercial Lease KVCL305H27

Administering Agency: KIA\_\_\_\_\_

Project Activity: 1) Camp 2) Drilling, sampling etc.

Date (expected date) of issuance: \_December 1, 2018\_ Date of expiry: \_December 11, 2018\_

**17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES**

Are predicted environmental impacts of the undertaking and proposed mitigation measures the same as those considered in the existing water licence?

x Yes ☐ No

Describe direct, indirect, and cumulative impacts related to water and waste.

**18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS**

Are the effects of the undertaking on any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature, the same as those considered in the existing water licence?

x Yes ☐ No

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

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

**19. INUIT WATER RIGHTS**

Are the effects of the undertaking on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) the same as those considered in the existing water licence?

x Yes ☐ No

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

**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.**

**21. SECURITY INFORMATION**

Is the financial security assessment the same as that considered in the existing water licence?

☒ Yes    ☐ No

Is the estimate of the total financial security for final reclamation the same as that considered in the existing water licence?

☒ Yes    ☐ No

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

**There is no security put forward as it is an exploration program.**

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*, Aboriginal Affairs and Northern Development Canada.

## 22. FINANCIAL INFORMATION

Is the statement of financial security the same as that considered in the existing water licence?

☒ Yes ☐ No

Provide an updated statement of financial security.

Statement attached which also was signed and provided with application for Assignment of License. Canadian North Resources and Development Corp. (CNRD) is a private Ontario incorporated company.

If the applicant is a business entity please answer the questions below:

Is the list of the officers of the company the same as those considered in the existing water licence?

☒ Yes ☐ No

Provide a list of the officers of the company.

Lee Shim, President and CEO  
Richard Brown, Secretary  
Kaihui Yang, Director  
Trevor Boyd, Project Manager

Is the Certificate of Incorporation or evidence of registration of the company name the same?

☒ Yes ☐ No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

## 23. STUDIES UNDERTAKEN TO DATE

List and attach updated studies, reports, research etc.

Attached are KIA and AANDC Inspection Reports, response letter by CNRD to AANRC Inspection Report, Rescan Environmental Services Field and Water Sampling Report.

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

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

## 24. PROPOSED TIME SCHEDULE

Is the time schedule for all phases of development (construction, operations, closure and post closure) the same as that considered in the existing licence?

☒ Yes    ☐ No

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 (Exploration)

Proposed Start Date: \_\_\_\_\_ July / 2018 \_\_\_\_\_ Proposed Completion Date: \_\_\_\_\_ January / 2024 \_\_\_\_\_  
(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**

On what date does the existing licence expire? \_December 11, 2018\_\_\_\_\_

Indicate the proposed term of the renewal (maximum of 25 years): \_\_\_5 years\_\_\_\_\_

Requested date of renewal issuance: \_December 1 /, 2018 (month/year) Requested Expiry Date: \_\_\_\_\_December 1 / 2022\_\_\_\_\_ (month/year)

(The requested date of renewal 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**

Is the annual report template expected to be the same as that considered in the existing licence?

☒ Yes ☐ No

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



## 27. CHECKLIST

The following must be included with the application for renewal for the water licensing process to begin.

Completed Application for Water Licence Renewal form.

x Yes ☐ No If no, date expected \_\_\_\_\_

Updated plans, including designs and reports (see Block 23).

x Yes ☐ No Ferguson Lake Abandonment and Restoration Plan 2015,  
Ferguson Lake Spill Contingency Plan 2015 with Spill Plan Updated Contact List 2018.

Updated security assessment (see Block 21).

Yes x No If no, date expected previously provided for Assignment in 2013

Updated financial statement (see Block 22).

Yes x No If no, date expected \_ previously provided for Assignment in 2013

Compliance Assessment / Status Report (see Block 23).

x Yes ☐ No If no, date expected \_\_Included are 2014 AANDC Inspection  
Report, 2014,, 2014 KIA Inspection Report, 2015 Rescan Field and Water Sampling Report,

English Summary of Renewal Application.

x Yes ☐ No If no, date expected \_\_\_\_\_

Inuktitut and/or Inuinnaqtun Summary of Renewal Application.

Yes x No If no, date expected \_\_previously provided by Starfield

Application fee of \$30.00 CDN (Payee Receiver General for Canada).

x Yes ☐ No If no, date expected \_\_\_\_\_

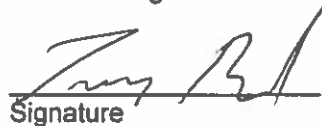
Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee  
will be calculated by the NWB based upon the amount of water authorized for use in accordance with the  
Regulations at the time of issuance of the licence.

x Yes ☐ No If no, date expected \_\_\_\_\_

**28. SIGNATURE**

I, Trevor Boyd (print name)

certify that the application requires no changes to water use or waste disposal as previously authorized and that the information given on this form is, to the best of my knowledge, correct and complete.



Signature

June 12, 2018\_  
Date