



## Application for Water Licence Amendment

Document Date: April 2013

Application Submission Date: 03/06/2015  
Month/Day/Year

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## DOCUMENT MANAGEMENT

Original Document Date: April 2010

### DOCUMENT AMENDMENTS

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



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## 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: \_\_1BR-DYE0914\_\_

### 1. LICENSEE CONTACT INFORMATION

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

☒ Yes ☐ No

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

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

Name: **Tamara Van Dyck**  
**Coordinator, Environmental Services**  
**Defence Construction Canada**

Address: **180 Kent Street, 14th floor**  
**Ottawa ON**  
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Phone: **613-995-9741**

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e-mail: **Tamara.VanDyck@dcc-cdc.gc.ca**

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

Name:

Address:

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

e-mail: \_\_\_\_\_

(Attach authorization letter.)

### 3. NAME OF PROJECT

Has the name of the project changed?

☒ Yes ☐ No

If Yes, indicate the name of the project including the name of the location: ***DYE-M, Cape Dyer Landfill Monitoring Program***

### 4. LOCATION OF UNDERTAKING

Does the proposed amendment change the location of the amended undertaking?

☐ Yes ☒ No

Provide the project extents and camp locations. Identify proposed changes.

#### Project Extents

NW: Latitude: ( **66** ° **39** ' " N)

Longitude: ( **61** ° **21** ' " W)

NE: Latitude: ( ° ' " N)

Longitude: ( ° ' " W)

SE: Latitude: ( ° ' " N)

Longitude: ( ° ' " W)

SW: Latitude: ( ° ' " N)

Longitude: ( ° ' " W)

#### Camp Location(s)

Latitude: ( ° ' " N)

Longitude: ( ° ' " W)

### 5. MAP

Does the proposed amendment change the locations of any of the main components of the undertaking?

☒ Yes ☐ No

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

NTS Map Sheet No.: 16L

Map Name: \_\_\_\_\_

Map Scale: 1:50,000

**6. NATURE OF INTEREST IN THE LAND**

Does the proposed amendment change the nature of the interest in the land?

☐ Yes    ☒ No

If Yes, indicate changes. \_\_\_\_\_

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

**Sub-surface**

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

**Surface**

☐ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Commissioner's Land Use Authorization  
Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☐ Other \_\_\_\_\_

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**

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

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

Does the proposed amendment change the land use planning area?

- ☐ Yes    ☒ No

If yes, indicate the land use planning area in which the amended undertaking is located.

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> North Baffin | <input type="checkbox"/> Keewatin       |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq     |
| <input type="checkbox"/> Akunnig      | <input type="checkbox"/> 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.

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

- ☐ Yes    ☒ No

If Yes, indicate date issued (or expected) and attach a copy. \_\_\_\_\_

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.    **25 February 2004    04DN001**

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

- ☐ Yes    ☒ No

If Yes, indicate date issued (or expected) and attach a copy. \_\_\_\_\_

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

## 9. DESCRIPTION OF UNDERTAKING

Does the proposed amendment change the description of the undertaking?

☒ Yes ☐ No

List and attach plans and drawings or project proposal. Identify proposed changes.

***The remediation work was completed at the site in 2014. The current scope of work includes monitoring of the on-site landfills. Please refer to the attached scope of work for details on the landfill monitoring program at DYE-M, Cape Dyer.***

## 10. OPTIONS

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

☐ Yes ☒ No

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

## 11. CLASSIFICATION OF PRIMARY UNDERTAKING

Indicate the primary classification of undertaking for the existing licence 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):<br><b><i>Landfill Monitoring</i></b> |

Does the proposed amendment change the classification of primary undertaking?

☒ Yes ☐ No

If Yes, indicate the primary undertaking of the amendment: ***Landfill Monitoring***

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be updated and submitted with an Application for Amendment. Indicate which SIG(s) are applicable to your application.

- ☐ Hydrostatic Testing
- ☐ Tannery
- ☐ Tourist / Remote Camp
- ☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
- ☐ Onshore Oil and Gas Exploration Drilling
- ☐ Mineral Exploration / Remote Camp
- ☐ Advanced Exploration
- ☐ Mine Development
- ☐ Municipal
- ☐ General Water Works
- ☐ Power

## 12. WATER USE

Indicate, using the boxes below, the types of water use(s) approved in the existing licence.

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

**X Other: *Collection of groundwater samples from existing monitoring wells.***

Does the proposed amendment change the type(s) of water use(s)?

**X** Yes    ☐ No

If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of water use(s) noting any water use(s) that are to be added, continued, or removed.

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

**X Other: *There are typically about 5-8 people on-site for 5-7 days to collect groundwater and soil samples. Bottled water is brought in for the people in the temporary camp. No other uses of water apply.***

## 13. QUANTITY OF WATER INVOLVED

Does the proposed amendment change the source of water? **X** Yes    ☐ No

Indicate the water source(s). Identify proposed changes: ***Groundwater samples are collected from existing monitoring wells. Bottled water is brought in for the people in the temporary camp. There are no other uses of water on the site.***

(show location(s) on map)

Does the proposed amendment change the quality of the water source and/or its available capacity?

☐ Yes    **X** No

Describe the quality of the water source(s) and the available capacity(s). Identify any changes.: \_\_\_\_\_

Does the proposed amendment change the overall quantity of water to be used?

**X** Yes    ☐ No

Provide the overall estimated quantity to be used. Identify proposed changes. : **0.077 m<sup>3</sup>/**

day Does the proposed amendment change the quantity of water to be used from each

source? **X** Yes    ☐ No

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

***Approximately 3.5 L of water will be obtained from each of the 22 wells on-site. There are no other***



**sources or uses of water on-site.**

Does the proposed amendment change the quantity of water to be used for each purpose?

☒ Yes ☐ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes.:  
**As the remediation work is complete, there is no requirement for water for construction purposes, or for a large camp. No water will be extracted.**

Does the proposed amendment change the method(s) of extraction?

☒ Yes ☐ No

Describe the method(s) of extraction. Identify proposed changes. : **The only water being extracted is from the monitoring wells.**

Does the proposed amendment change the quantity(s) of water returned to source(s)?

☒ Yes ☐ No

Estimated quantity(s) of water returned to source(s). Identify proposed changes. : **0.077 m<sup>3</sup>/day**

Does the proposed amendment change the quality(s) of water returned to source(s)?

☐ Yes ☒ No

Describe the quality(s) of water(s) returned to source(s). Identify any changes. : **There is no water to be extracted, except for collection of samples. Therefore, no changes to the quality of water are expected.**

**14. WASTE**

Check the appropriate box(s) to indicate the types of waste(s) approved in the existing licence.

- |  |   |
|--|---|
| <input type="checkbox"/> Sewage                  | <input type="checkbox"/> Waste oil                      |
| <input type="checkbox"/> Solid Waste             | <input type="checkbox"/> Greywater                      |
| <input type="checkbox"/> Hazardous               | <input type="checkbox"/> Sludges                        |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste            |   |
| <input type="checkbox"/> Other (describe): _____ |   |

Does the proposed amendment change the type(s) of waste(s) to be generated or deposited?

☒ Yes ☐ No

If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of waste(s) to be generated and/or deposited noting the addition, removal or continued generation and/or disposal of waste(s).

- |  |   |
|--|---|
| <input type="checkbox"/> Sewage                  | <input type="checkbox"/> Waste oil                      |
| <input type="checkbox"/> Solid Waste             | <input type="checkbox"/> Greywater                      |
| <input type="checkbox"/> Hazardous               | <input type="checkbox"/> Sludges                        |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste            |   |
| <input type="checkbox"/> Other (describe): _____ |   |

***The remediation work is complete, and as such, there will be no waste generated.***

**15. QUANTITY AND QUALITY OF WASTE INVOLVED**

Does the proposed amendment change the quantity(s) of the types of wastes involved?

☒ Yes ☐ No

Does the proposed amendment change the composition(s) of the types of wastes involved?

☒ Yes ☐ No

Does the proposed amendment change the method(s) of treatment for the types of waste involved?

☒ Yes ☐ No

Does the proposed amendment change the method(s) of disposal for the types of waste involved?

☒ Yes ☐ No

If Yes to any of the above, describe the proposed changes: ***The remediation work is complete, and as such, there will be no waste generated.***

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

**16. OTHER AUTHORIZATIONS**

Does the proposed amendment change the need for other authorizations in addition to the sub-surface and surface land use authorizations provided in Block 6?

☐ Yes ☒ No

If Yes, indicate any additional authorizations required, which authorizations are no longer required, and which authorizations continue to be required.

For each provide the following:

Authorization: \_\_\_\_\_

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

Project Activity: \_\_\_\_\_

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

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

Does the proposed amendment change the predicted environmental impacts of the undertaking or the mitigation measures?

☐ Yes ☒ No

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

***The impacts of the landfill monitoring program are negligible. There will be no negative impacts. An indirect positive impact is that the contractor is required to hire and train local Inuit to help with the landfill monitoring program.***

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

Was compensation paid and/or an agreement(s) for compensation been entered into with any existing or other users of water during consideration of the existing licence?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use by those persons or properties.

Does the proposed amendment adversely affect any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use of those persons or properties.

Advise the Board if compensation has been paid and/or an agreement(s) for compensation has been reached with any existing or other water users with respect to the proposed amendment.

**19. INUIT WATER RIGHTS**

Was compensation paid/ or an agreement(s) for compensation been entered into with any Designated Inuit Organization (DIO) during consideration of the existing licence?

☐ Yes ☒ No

If Yes, which DIO(s) \_\_\_\_\_

Does the proposed amendment substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL)?

☐ Yes ☒ No

If Yes, advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more DIO(s) with respect to the proposed amendment.

**20. CONSULTATION** - Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

**N/A**

**21. SECURITY INFORMATION**

Does the proposed amendment change the financial security assessment?

☒ Yes ☐ No

Does the proposed amendment change the estimate of the total financial security for final reclamation?

☒ Yes ☐ No

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

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

***The site has already been reclaimed. The current project consists of the monitoring the results of the remediation and reclamation. There should be no further security required. The proponent is Defence Construction Canada on behalf of the Department of National Defence and the Government of Canada.***

## 22. FINANCIAL INFORMATION

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

☒ Yes ☐ No

***The proponent is Defence Construction Canada on behalf of the Department of National Defence and the Government of Canada.***

Provide an updated statement of financial security.

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

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

☒ Yes ☐ No

Provide a list of the officers of the company.

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.

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.

**N/A**

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.

**N/A**

## 24. PROPOSED TIME SCHEDULE

When are proposed amendments scheduled to be undertaken: \_\_\_\_\_

Does the proposed amendment change the time schedule considered in the existing licence for any phase of development?

☒ Yes ☐ No

Indicate the start and completion dates for each applicable phase of development (construction, operation, closure, and post closure). Identify proposed changes.

Construction

Proposed Start Date: \_\_\_\_\_ Proposed Completion Date: \_\_\_\_\_  
(month/year) (month/year)

Operation

Proposed Start Date: \_\_\_\_\_ Proposed Completion Date: \_\_\_\_\_  
(month/year) (month/year)

Closure

Proposed Start Date: \_\_\_\_\_ Proposed Completion Date: \_\_\_\_\_  
(month/year) (month/year)

Post - Closure

Proposed Start Date: Aug 2015 Proposed Completion Date: N/A  
(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? **14 May 2014**

Is the Licensee applying for a combined renewal and amendment of the existing licence?

☒ Yes ☐ No

If Yes, indicate the proposed term of the renewal (maximum of 25 years): **25 Years**

Requested date of renewal issuance: **July 2015** Requested Expiry Date: **August 2040**  
(month/year) (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**

Will the proposed amendment change the content of annual reports or the annual report template?

☒ Yes ☐ No

If Yes, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

***When there has been no monitoring event in a given year at a site, an annual letter will be submitted outlining that no-one went to site that year. This letter will confirm that no water has been collected, and no monitoring report will be provided. The letter will specifically state that it is fulfilling the obligations (Under Section 14.1 of the Regulations) for an Annual Report on the listed files.***

**Where there has been a monitoring event in a given year at a site, the reporting requirement constitutes the provision of a copy of the final monitoring report from that year. The monitoring report will detail the water and soil quality from the samples collected at the site, as well as any results from the landfill inspection. Confirmation that a minimal amount of water (<1m3/day) was collected on site for monitoring purposes shall be outlined. Water use has been defined as any water use (no matter how small the volume), and water collection for monitoring purposes has not been excluded. The accompanying letter will specifically state that it is fulfilling the obligations (Under Section 14.1 of the Regulations) for an Annual Report on the listed files.**

## 27. CHECKLIST

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

Completed Application for Water Licence Amendment form.

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

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

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

Compliance Assessment / Status Report (see Block 23).

☐ Yes ☒ No If no, date expected N/A

Indication of Renewal Requirement (see Block 26)

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

English Summary of Amendment Application.

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

Inuktitut and/or Inuinnaqtun Summary of Amendment Application.

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

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

☐ Yes ☒ No If no, date expected N/A

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 N/A

## 28. SIGNATURE

Tamara Van Dyck

Coordinator,  
Environmental Services



6 Mar 2015

Name (Print)

Title (Print)

Signature

Date