



**NIRB File Nos.: 03DN013, 03DN117, 03DN119, 03DN124**  
NPC File Nos.: 148954, 148955, 148952, 148956

November 9, 2018

Jeremy LaFlamme  
Department of National Defence  
Government of Canada  
455 Boulevard del Carrier  
Gatineau, QC J8Y 6V7

Sent via email: [jeremy.laflamme@forces.gc.ca](mailto:jeremy.laflamme@forces.gc.ca)

**Re: Notice of Screening for Department of National Defence's "DEW Line Sites Water Licence Renewals" project proposals**

Dear Jeremy LaFlamme:

From October 25, 2018 through October 29, 2018 the Nunavut Impact Review Board (NIRB or Board) received four (4) referrals to screen the Department of National Defence's (DND) "DEW Line Sites Water Licence Renewals" project proposals from the Nunavut Planning Commission (NPC or Commission). The NPC noted that each of the project proposals were outside the area of an applicable regional land use plan and determined that the proposals contained a significant modification to the previously screened works and activities associated with NIRB file numbers **03DN013, 03DN117, 03DN119, 03DN124** because of the inclusion of a hydrocarbon landfarm at each site. As a result of the projects being related but not integrally linked, the NIRB is currently assessing all projects together and is providing the proposals for parties to comment together but will be considering each proposal separately.

Pursuant to Article 12, Sections 12.4.1 and 12.4.4 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)* and s. 87 of the *Nunavut Planning and Project Assessment Act*, S.C. 2013, c. 14, s. 2 (*NuPPAA*), the NIRB has commenced screening these project proposals. Due to the proposals containing activities that are sufficiently related to previously assessed activities under NIRB file numbers **03DN013, 03DN117, 03DN119, and 03DN124**, the NIRB views these project proposals as an amendment to these previously screened projects and has assigned these proposals with the previous file numbers. Please reference these file numbers in all future related correspondence. A summary of the previously screened project activities can be found in [Appendix A](#).

## INFORMATION REQUEST

From October 25, 2018 through October 29, 2018 the NIRB requested that the Proponent complete the online application forms for each project through the NIRB's public registry system and ensure, pursuant to s. 144(1) of the *NuPPAA*, that the information provided be sufficient to determine the scope of the project activities being proposed and that sufficient information has been provided to commence screening.

From October 25, 2018 through October 31, 2018 the NIRB received the required additional information and commenced the screening pursuant to Part 3 of the *NuPPAA*.

## PROJECT OVERVIEW

The project activities as previously screened by the NIRB under file numbers **03DN013**, **03DN117**, **03DN119**, and **03DN124** included site clean up and remediation activities at the Distant Early Warning (DEW) Line sites. A complete description of the scope of activities previously approved has been included within [Appendix A](#).

### ***Project Scope:***

The DND is currently proposing the “DEW Line Sites Water Licence Renewals” projects which would be located in the same areas as previously approved and would be located within the Qikiqtani (South Baffin) and Kitikmeot regions. The Proponent intends to amend the scope of previously approved activities to include a hydrocarbon landfarm at each of the four (4) sites with the timing for the activities outlined in [Table 1](#).

**Table 1: Main activities of current amended proposal**

| File No.       | Project Title  | Location   | Activity   | Timing                |
|----------------|--|--|--|-----------------------|
| <b>03DN013</b> | FOX-M, Hall Beach Water Use Licence Renewal                | 3.5 kilometres (km) south of Hall Beach, Qikiqtani (South Baffin) region | <ul style="list-style-type: none"> <li>• Testing and release of berm water from fuel storage facility</li> <li>• Construction of landfarm for remediation of hydrocarbon impacted soils</li> </ul> | March 2019-March 2029 |
| <b>03DN117</b> | CAM-3, Shepherd Bay Water Use Licence 3BC-SHE0919 Renewal  | 50 km south of Taloyoak, Kitikmeot region                                | <ul style="list-style-type: none"> <li>• Testing and release of berm water from fuel storage facility</li> <li>• Construction of landfarm for remediation of hydrocarbon impacted soils</li> </ul> | March 2019-March 2029 |
| <b>03DN119</b> | CAM-M, Cambridge Bay Water Use Licence 3BC-CAM0919 Renewal | 3 km west of Cambridge Bay, Kitikmeot region                             | <ul style="list-style-type: none"> <li>• Testing and release of berm water from fuel storage facility</li> <li>• Construction of landfarm for remediation of hydrocarbon impacted soils</li> </ul> | March 2019-March 2029 |

| File No. | Project Title                          | Location   | Activity   | Timing                |
|----------|--|--|--|-----------------------|
| 03DN124  | DYE-M, Cape Dyer Water Licence Renewal | 150 km south-east of Qikiqtarjuaq, Qikiqtani Region (South Baffin) | <ul style="list-style-type: none"> <li>• Testing and release of berm water from fuel storage facility</li> <li>• Construction of landfarm for remediation of hydrocarbon impacted soils</li> </ul> | March 2019-March 2029 |

According to the current project proposals for each site, the scope of the amended project proposals include the following undertakings, works associated with the above activities at each DEW Line Site:

- Construction, operation and decommissioning of landfarm facility for remediating hydrocarbon impacted soil including:
  - Ground preparation including removal of organic materials and debris;
  - Use of pick-up truck and heavy equipment (loader, grader, dozer, excavator, water truck, fuel truck) on site for remediation activities;
  - Construction of roadways for access;
  - Placement of Type B hydrocarbon contaminated soils in landfarm;
  - Distribution of granular nutrients over the surface of contaminated soil;
  - Use of water spray to maintain optimum moisture content within soil;
  - Tilling of soil every 5-10 days;
  - Collection of and recycling of leachate water;
  - Collection of soil samples to ensure soil is remediating; and
  - Decommissioning of landfarming operation to the Canadian Council of Minister of Environment (CCME) Canadian Soil Quality Standards for commercial coarse-grained soil.
- Sample and test water from within bermed fuel storage facilities at sites prior to release just outside the berm if it meets discharge criteria;
- Treat contaminated water as HAZMAT;
- Disposal of in hazardous waste in a licensed waste HAZMAT disposal facility offsite;
- Use of a helicopter and fixed winged aircraft to access each main site as well as adjacent sites;
- Transportation of bulk materials, dry goods and fuel to the sites by ship (seasonal barge);
- Use of permanent camps located at each DEW Line Site;
- Storage and use of aviation fuel, oil, glycol, paint and batteries;
- Disposal of combustible wastes in adjacent communities; and
- Sewage treated in tertiary sewage treatment plant prior to discharge or will be disposed of in a sump at each site.

### ***Inclusion or Exclusion of Scoping List***

At this time, the NIRB has identified no additional works or activities in relation to the project proposal. As a result, the NIRB will proceed with screening the project based on the scope as described above.

## REQUEST FOR COMMENTS

All documents received and pertaining to the project proposals can be accessed from the NIRB's online public registry at the following links:

*FOX-M, Hall Beach Water Use Licence Renewal* at [www.nirb.ca/project/125417](http://www.nirb.ca/project/125417)

*CAM-3, Shepard Bay Water Licence Renewal* at [www.nirb.ca/project/125416](http://www.nirb.ca/project/125416).

*CAM-M, Cambridge Bay Water Use Licence Renewal* at [www.nirb.ca/project/125415](http://www.nirb.ca/project/125415)

*DYE-M, Cape Dyer Water Licence Renewal* at [www.nirb.ca/project/125412](http://www.nirb.ca/project/125412)

The documents received for each proposal include:

- *NPC Screening Referral*
- *NPC Application*
- *NIRB's Online Application Form*
- *Non-technical Project Proposal summary in English, Inuktitut and/or Inuinnaqtun*
- *Maps for each DEW Line Site location*
- *Application for Water Licence Amendment*
- *Landfarm Plan*
- *Berm Water Sampling QAQC Plan*
- *Inspection Reports*
- *NWB Licence Compliance Assessment*
- *Remote Camp Supplementary Questionnaire*
- *Spill Contingency Plan*
- *Site Description*
- *Site Plan*
- *Jet A1 Safety Data Sheet*
- *Sewage Disposal Update*
- *Executive Summary*

The NIRB will copy you on screening process related correspondence and upload related documents to the NIRB's online registry for public access. The NIRB may request additional information at any time during the process.

The NIRB is copying parties and municipalities potentially affected by DND's project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **November 30, 2018**.

The NIRB would like parties to provide comments regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic or socio-economic effects; and if so, why;
- Whether the project proposal is likely to cause significant adverse impacts on wildlife habitat or Inuit harvest activities; and if so, why;

- Whether the project proposal is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (and providing any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

#### CONTACT INFORMATION

Please send your comments to the NIRB via email at [info@nirb.ca](mailto:info@nirb.ca), via fax at (867) 983-2594 or via the individual project dashboard for this assessment on the NIRB's online public registry at:

FOX-M, Hall Beach Water Use Licence Renewal at [www.nirb.ca/project/125417](http://www.nirb.ca/project/125417).

CAM-3, Shepard Bay Water Licence Renewal at [www.nirb.ca/project/125416](http://www.nirb.ca/project/125416).

CAM-M, Cambridge Bay Water Use Licence Renewal at [www.nirb.ca/project/125415](http://www.nirb.ca/project/125415)

DYE-M, Cape Dyer Water Licence Renewal at [www.nirb.ca/project/125412](http://www.nirb.ca/project/125412)

If you have any questions or require clarification, please contact the undersigned at (867) 983-4609 or at [johokannoak@nirb.ca](mailto:johokannoak@nirb.ca).

Sincerely,



Jaida Ohokannoak  
Technical Advisor II  
Nunavut Impact Review Board

cc: Distribution Lists  
William Wyman, Raytheon Canada Limited  
Richard Dwyer, Nunavut Water Board  
Tracey McCaie, Crown-Indigenous Relation and Northern Affairs Canada

Attachment: Appendix A: Previously-Screened Project Proposals

Enclosures (6): Public Notice of Screening (English, Inuktitut and Inuinnaqtun)  
Comment Forms (English, Inuktitut and Inuinnaqtun)

## APPENDIX A: PREVIOUSLY-SCREENED PROJECT PROPOSALS

*Please note that the files for original project proposals received by the Nunavut Impact Review Board (NIRB or Board) were incomplete. The file history and scope of previously assessed activities were reconstructed from multiple sources including the NIRB files, Nunavut Water Board files and from the Proponent.*

### **Project 1 (NIRB File No. 03DN013):**

The original project proposal, “DEW Line Site Clean-up, Fox Main, Hall Beach, Nunavut” (NIRB File No.: 03DN013), was received by the NIRB from Indian and Northern Affairs Canada (INAC). The project proposal was screened by the Board in accordance with Part 4, Article 12 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)*. On March 4, 2003 the NIRB issued a *Nunavut Agreement* 12.4.4 (a) screening decision to the then Minister of Indian and Northern Affairs Canada which indicated that the proposed project could proceed subject to the NIRB’s recommended project-specific terms and conditions.

The Defence Construction Canada’s original “DEW Line Site Clean-up, Fox Main, Hall Beach, Nunavut” project was located in the Qikiqtani (South Baffin) region, approximately 3.5 kilometres (km) from Hall Beach. The Proponent indicated that it intended to conduct a clean up of the Fox-M, Hall Beach DEW Line Site.

According to the previously screened project proposal, the scope of the project included the following undertakings, works or activities:

- Demolition and removal of facilities (e.g., buildings) not required for the operation of the North Warning System (NWS);
- Excavation and disposal of contaminated soils in engineered landfill facilities;
- Removal of hazardous materials to an off-site licenced treatment facility;
- Remediation of existing landfills;
- Removal of surface debris; and
- Establishment and removal of contractor’s camp and equipment.

Additional authorization, extension and amendment requests associated with the “DEW Line Site Clean-up, Fox Main, Hall Beach, Nunavut” project have also been reviewed by the NIRB following screening of the original project proposal (NIRB File No. 03DN013). In each instance where the NIRB received applications up to and including June 13, 2007, the NIRB confirmed that the applications were exempt from the requirement for further screening pursuant to Section 12.4.3 of the *Nunavut Agreement* and that the activities therein remained subject to the terms and conditions recommended in the original March 4, 2003 Screening Decision Report.

### **Project 2 (NIRB File No. 03DN117):**

The original project proposal. “Water Licence for CAM-3, Shepard Bay” (NIRB File No.:03DN117), was received by the NIRB from the Nunavut Water Board (NWB). The project proposal was screened by the Board in accordance with Part 4, Article 12 of the *Nunavut Agreement*. On October 14, 2003 the NIRB issued a *Nunavut Agreement* 12.4.4 (a) screening

decision to the Chair of the NWB which indicated that the proposed project could proceed subject to the NIRB's recommended project-specific terms and conditions.

The North Warning Systems Office's original "Water Licence for CAM-3, Shepard Bay" project was located in the Kitikmeot region, approximately 50 km south from Taloyoak and 50 km east of Gjoa Haven. The Proponent indicated that it needed a water licence for water use and waste disposal.

According to the previously screened project proposal, the scope of the project included the following undertakings, works or activities:

- Use of approximately 16,000 litres of water per year from Water Lake;
- Use of a temporary camp for four (4) persons annually for maintenance of site;
- Leachate monitoring in proposed outfall area; and
- Treatment and disposal of wastes as follows:
  - Sewage – incinolets
  - Solid Waste – burn bin and landfill
  - Hazardous Waste – retrograde to licenced disposal facility
  - Bulk Items / Scrap Metal – stockpile and retrograde
  - Waste Oil – retrograde to licenced disposal facility
  - Greywater – controlled discharge a designated location(s) on site

***Project 3 (NIRB File No. 03DN119):***

The original project proposal, "CAM-M, Cambridge Bay Project" (NIRB File No.:03DN119), was received by the NIRB from the NWB. The project proposal was screened by the Board in accordance with Part 4, Article 12 of the *Nunavut Agreement*. On October 14, 2003 the NIRB issued a *Nunavut Agreement* 12.4.4 (a) screening decision to the then Chair of the NWB Board which indicated that the proposed project could proceed subject to the NIRB's recommended project-specific terms and conditions.

The North Warning Systems Office's original "CAM-M, Cambridge Bay Project" project was located in the Kitikmeot region, approximately 3 km west from Cambridge Bay. The Proponent indicated that it needed a water licence for water use and waste disposal.

According to the previously screened project proposal, the scope of the project included the following undertakings, works or activities:

- Use of approximately 2,190,000 litres for water per year;
- Use of a permanent camp; and
- Treatment and disposal of wastes as follows:
  - Sewage and greywater– tertiary treatment system
  - Solid Waste – Cambridge Bay community landfill
  - Hazardous Waste- retrograde to licenced disposal facility
  - Bulk Items / Scrap Metal – stockpile and retrograde
  - Waste Oil – retrograde to licenced disposal facility

***Project 4 (NIRB File No. 03DN124):***

The original project proposal, “DYE-M, Cape Dyer Project” (NIRB File No.: 03DN124), was received by the NIRB from the NWB. The project proposal was screened by the Board in accordance with Part 4, Article 12 of the *Nunavut Agreement*. On November 14, 2003 the NIRB issued a *Nunavut Agreement* 12.4.4 (a) screening decision to the then Chair of the NWB which indicated that the proposed project could proceed subject to the NIRB’s recommended project-specific terms and conditions.

The North Warning Systems Office’s original “DYE-M, Cape Dyer Project” project was located in the Qikiqtani (South Baffin) region, approximately 150 km south east from Qikiqtarjuaq. The Proponent indicated that it needed a water licence for water use and waste disposal.

According to the previously screened project proposal, the scope of the project included the following undertakings, works or activities:

- Use of approximately 16,000 litres for water per year;
- Use of a temporary camp for four (4) persons annually for maintenance of site; and
- Treatment and disposal of wastes as follows:
  - Sewage – incinolets
  - Solid Waste – incinerator
  - Hazardous Waste – retrograde to licenced disposal facility
  - Bulk Items / Scrap Metal – stockpile and retrograde
  - Waste Oil – retrograde to licenced disposal facility
  - Greywater – controlled discharge a designated location(s) on site