



## SCREENING PART 1 FORM PROJECT PROPOSAL SUMMARY

For more information about the Nunavut Impact Review Board (NIRB) please visit our web site <http://nirb.nunavut.ca/> or to access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board ftp site <http://ftp.nunavut.ca/nirb/>.

### IMPORTANT

Please be advised that your application will not be processed until the following sections 1 - 6 are completed in full in English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot). Translated versions of this form in Inuktitut and Inuinnaqtun are available from NIRB's ftp site at <http://ftp.nunavut.ca/nirb/>

---

### SECTION 1: APPLICANT INFORMATION

---

#### 1. a) Project Number

Please indicate if applicant has submitted any previous application(s) to NIRB related to this project proposal? Yes \_\_\_\_\_ No ☒ X

If yes, please indicate the previous NIRB project number(s): \_\_\_\_\_

---

1. b) Project Name Clean Up of the FOX-3, Dewar Lakes DEW Line Site

---

#### 2. Applicant's full name and mailing address:

|                                 |                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------|
| Douglas Craig, M.Sc.            | Fax: 613-998-0468                                                                   |
| Constitution Square, Suite 1720 | Phone: 613-998-7288                                                                 |
| 350 Albert Street               | Email: <a href="mailto:Douglas.Craig@dcc-cdc.gc.ca">Douglas.Craig@dcc-cdc.gc.ca</a> |
| Ottawa, ON K1A 0K3              |                                                                                     |

---

#### 3. Primary contact's full name and mailing address:

|                         |                                                                               |
|-------------------------|-------------------------------------------------------------------------------|
| Eva Schulz, P.Ag.       | Fax: 403-270-0399                                                             |
| 2540 Kensington Road NW | Phone: 403-270-9200                                                           |
| Calgary, AB T2N 3S3     | Email: <a href="mailto:eva.schulz@uma.aecom.com">eva.schulz@uma.aecom.com</a> |

---





## SECTION 3: PROJECT PROPOSAL DESCRIPTION

### 1. Indicate the type of project proposal:

- |                                     |                                                             |
|-------------------------------------|-------------------------------------------------------------|
| <input type="checkbox"/>            | Exploration (geophysical ground, geophysical air, drilling) |
| <input type="checkbox"/>            | Advanced Exploration/ Bulk Sampling                         |
| <input type="checkbox"/>            | Mine Development                                            |
| <input type="checkbox"/>            | All Weather Roads and Trails                                |
| <input type="checkbox"/>            | Winter Roads and Trails                                     |
| <input checked="" type="checkbox"/> | DEW Line Clean up                                           |
| <input type="checkbox"/>            | Off-Shore Infrastructure                                    |
| <input type="checkbox"/>            | Pit and/or Quarry                                           |
| <input type="checkbox"/>            | Other: _____                                                |

### 2. Indicate the activities related to the project proposal:

- |                                     |                                                                     |                                     |                                                                                   |
|-------------------------------------|---------------------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------|
| <input type="checkbox"/>            | Drilling other than geoscientific                                   | <input checked="" type="checkbox"/> | Quarrying                                                                         |
| <input type="checkbox"/>            | Offshore structure                                                  | <input type="checkbox"/>            | All season road                                                                   |
| <input checked="" type="checkbox"/> | Airport/ landing strip                                              | <input type="checkbox"/>            | Winter road                                                                       |
| <input checked="" type="checkbox"/> | Camp                                                                | <input checked="" type="checkbox"/> | Access road                                                                       |
| <input checked="" type="checkbox"/> | Fuel storage                                                        | <input type="checkbox"/>            | Road modification                                                                 |
| <input checked="" type="checkbox"/> | Solid waste disposal                                                | <input type="checkbox"/>            | Cabins                                                                            |
| <input checked="" type="checkbox"/> | Hazardous waste storage or disposal                                 | <input checked="" type="checkbox"/> | Sewage or grey water disposal                                                     |
| <input type="checkbox"/>            | Research                                                            | <input type="checkbox"/>            | Blasting                                                                          |
| <input checked="" type="checkbox"/> | Abandonment and Restoration                                         | <input type="checkbox"/>            | Harvesting                                                                        |
| <input type="checkbox"/>            | Burning                                                             | <input type="checkbox"/>            | Burying                                                                           |
| <input checked="" type="checkbox"/> | Construction                                                        | <input type="checkbox"/>            | Channeling                                                                        |
| <input checked="" type="checkbox"/> | Cut and/or Fill                                                     | <input type="checkbox"/>            | Removal of vegetation                                                             |
| <input type="checkbox"/>            | Dam/ Impoundment (construction/ abandonment/ removal/ modification) | <input type="checkbox"/>            | Ditch construction                                                                |
| <input type="checkbox"/>            | Drainage Alteration                                                 | <input checked="" type="checkbox"/> | Excavation                                                                        |
| <input checked="" type="checkbox"/> | Chemical Storage                                                    | <input type="checkbox"/>            | Ecological survey                                                                 |
| <input type="checkbox"/>            | Explosives Storage                                                  | <input type="checkbox"/>            | Geoscientific sampling by trenching                                               |
| <input type="checkbox"/>            | Geoscientific sampling by diamond drilling                          | <input type="checkbox"/>            | Geoscientific sampling by borehole core                                           |
| <input checked="" type="checkbox"/> | Geoscientific sampling by soil sampling                             | <input type="checkbox"/>            | Hydrological testing                                                              |
| <input type="checkbox"/>            | River/ stream/ lake crossing or work/ bridge                        | <input checked="" type="checkbox"/> | Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring) |
| <input checked="" type="checkbox"/> | Soil testing                                                        | <input checked="" type="checkbox"/> | Soil disposal/ Soil storage                                                       |
| <input type="checkbox"/>            | Tunneling                                                           | <input type="checkbox"/>            | Other (please specify): _____                                                     |

### 3. Personnel

|                                      |    |                                                   |                                |
|--------------------------------------|----|---------------------------------------------------|--------------------------------|
| Total No. of personnel on site = (A) | 60 | Total No. of person days = (A) x No. days on site | (60 X 90) per year for 3 years |
|--------------------------------------|----|---------------------------------------------------|--------------------------------|





## 8. Non-Technical Project Proposal Summary

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

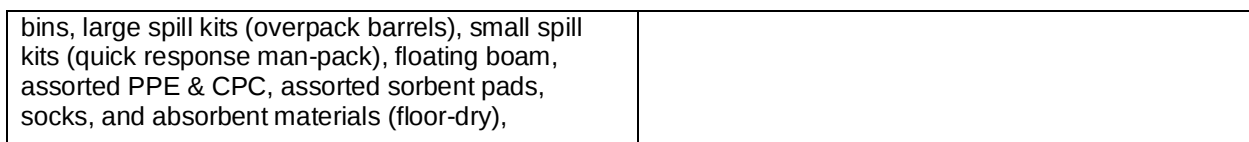
In 1998, the Environmental Provisions of the Cooperation Agreement between DND and Nunavut Tunngavik Inc. (NTI), which included the DEW Line Clean up Protocol, were implemented to provide the approach necessary to restore the sites to an environmentally safe condition and prevent the migration of contaminants into the Arctic food chain. The purpose of the proposed project activities is to provide remedy for previous activities that occurred as a result of the operation of the former DEW Line site. Specifically, clean up activities are to prevent the release of physical debris and/or contaminants into the environment, including the adjacent marine environment. During the construction phase of the clean up, existing facilities no longer required for the operation of the NWS will be demolished. The demolition wastes will be segregated into hazardous and non-hazardous materials and disposed of appropriately. Contaminated soils identified during the previous field investigations will be excavated and properly disposed of in on-site engineered landfills or at off-site facilities. Scattered surface debris and partially buried debris on the site will also be collected and disposed of. A Non-hazardous waste landfill will be constructed to contain the non-hazardous contaminated soil and demolition waste generated during the clean up. A Tier II Soil Disposal Facility will be constructed to contain Tier II contaminated soils excavated from the site. The existing landfills within the site will be remediated, as required. Disturbed areas will be physically restored to a stable condition shaped to match the existing terrain. Lastly, a monitoring program will be carried out after the clean up has been completed.

The following activities will occur on-site to support the clean up work:

- Use of existing airstrip and roads at site for equipment transport, movement and access to work areas.
- Set-up of cleanup camp and equipment storage.
- Sewage from the camp will be handled with, at minimum, primary treatment (settling tank and lagoon) and discharged to ground surface. Sewage treatment and disposal will be in accordance with the Land Use Permit and Water Use License.
- Domestic wastes to be incinerated and disposed of in the new Non-hazardous Waste Landfill.
- Demobilization of cleanup camp following end of project.
- Labour and equipment requirements are anticipated to include approximately 40-60 personnel, 20 pieces of heavy construction equipment and 5 support vehicles.
- Duration of work is anticipated to be approximately 4 months, not including winter shutdown period, over a period of four years.

There are no future development plans for the FOX-3 site.





| Fuels                               | Number of Containers | Capacity of containers (gal & litre) |
|-------------------------------------|----------------------|--------------------------------------|
| • Diesel                            | 4                    | 330,000 L                            |
| • Gasoline                          | 1                    | 18,000 L                             |
| • Aviation fuel                     |                      | n/a                                  |
| • Propane                           |                      | n/a                                  |
| • Other                             |                      | n/a                                  |
| Hazardous material (please specify) |                      | n/a                                  |
| •                                   |                      |                                      |
| •                                   |                      |                                      |
| •                                   |                      |                                      |

## SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

| Type of waste                                       | Projected amount generated                         | Method of Disposal                               | Additional treatment procedures |
|-----------------------------------------------------|----------------------------------------------------|--------------------------------------------------|---------------------------------|
| Sewage                                              | 180 m <sup>3</sup>                                 | Lagoon                                           |                                 |
| Greywater                                           | 2200 m <sup>3</sup>                                | Lagoon                                           |                                 |
| Garbage                                             | 45 m <sup>3</sup>                                  | F/A incinerator and disposal in on-site landfill |                                 |
| Overburden (organic soil, waste material, tailings) | n/a                                                |                                                  |                                 |
| Hazardous waste                                     | 180 m <sup>3</sup>                                 | Off-site                                         |                                 |
| Other:                                              | Contaminated soils – approx. 11,140 m <sup>3</sup> | On site landfills or landfarm                    |                                 |



---

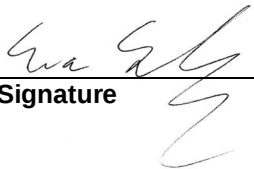
## SECTION 6: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

---

**1. List the community representatives that have been contacted and provide the minutes of the meetings if available:**

Please note, invitations to the community meetings are typically extended to the Mayor, the HTA and the Elders groups in each community.

**Applicant: Eva Schulz for Douglas Craig**

|                                                                                    |                         |                 |
|------------------------------------------------------------------------------------|-------------------------|-----------------|
|  | Environmental Scientist | October 9, 2007 |
| <b>Signature</b>                                                                   | <b>Title</b>            | <b>Date</b>     |