



**NIRB File No. 12XN033**  
NWB File No. 1BR-CIL----

June 18, 2012

Arlen Foster  
Stantec Architecture Ltd.  
Yellowknife, N.T.  
X1A 2P4

Via email: [arlen.foster@stantec.com](mailto:arlen.foster@stantec.com)

**Re: Notice of Part 4 Screening for the Government of Nunavut – Community and Government Services’ “Chesterfield Inlet Fuel Storage Facility Upgrade – Landfarm” project proposal**

Dear Arlen Foster:

On May 11, 2012 the Nunavut Impact Review Board (NIRB or Board) received a Type B Water Licence application from the Government of Nunavut, Community and Government Services’ (GN-CGS; the Proponent) for its “Chesterfield Inlet Fuel Storage Facility Upgrade – Landfarm” project proposal. On May 24, 2012 the NIRB received a screening referral from the Nunavut Water Board (NWB) and on June 8, 2012 the NIRB received a positive conformity determination (Keewatin Regional Land Use Plan) from the Nunavut Planning Commission (NPC) for this file. The NIRB has assigned this project proposal file number **12XN033** – please reference this file number in all future related correspondence copied to this office.

The project is located in the Kivalliq region near the community of Chesterfield Inlet. The purpose of the project is to develop a landfarm to remediate contaminated soils that would be removed during the upgrade of the existing Bulk Fuel Facility in Chesterfield Inlet. The upgrade of the existing Bulk Fuel Facility was previously screened by the Board in accordance with Part 4, Article 12 of the Nunavut Land Claims Agreement (NLCA) and on June 4, 2012 the NIRB issued a 12.4.4(a) Screening Decision report (see NIRB File No.: 12XN013). The construction of the landfarm program is considered a separate project proposal, and is proposed to take place from August to November 2012 with the operation and maintenance of the landfarm to occur for approximately 5 years.

The project activities include:

- Development of a lined engineered landfarm near the Hamlet of Chesterfield Inlet;
  - Located adjacent to the existing Chesterfield Inlet Municipal Solid Waste Site

- Approximately 150 cubic metres (m<sup>3</sup>) hydrocarbon contaminated soils to be removed from Bulk Fuel Facility and remediated at the landfarm
- Any water collected in landfarm to be collected in an internal sump and pumped over the surface of the materials in the landfarm on an as needed basis
- Use of heavy equipment (i.e. bulldozer, dump truck) to transfer the soil and turn the soil yearly;
- Refuelling of equipment from fuel trucks by trained operators;
- Decommissioning of landfarm once the soil meets Canadian Council for Ministers of the Environment requirements
  - Removal of liner and its disposal in the municipal landfill
  - Disposal of water in an approved manner if required
  - Removal of excess soil and area graded to positive drainage
- Use of facilities and accommodations in Chesterfield Inlet as needed.

All documents received and pertaining to this project proposal can be obtained from the NIRB's ftp site at <http://ftp.nirb.ca/01-SCREENINGS/ACTIVE%20SCREENINGS/12XN033-CGS-Stantec%20Chesterfield%20Inlet%20Landfarm/> including:

- *NIRB Part 1 Summary Application Form in English and Inuktitut*
- *Maps*
- *Non technical Project Proposal summary in English and Inuktitut*
- *NIRB Project Specific Information Requirements (Part 2 form)*
- *NPC Conformity Determination*
- *Abandonment and Restoration Plan*
- *Operations and Maintenance Plan*
- *Spill Contingency Plan*
- *Nunavut Water Board General Water Licence Application*
- *Nunavut Water Board Supplementary Information Requirements for Hydrocarbon-Impacted Soil Storage and Landfarm Treatment Facilities Application*

Pursuant to Part 4, Article 12 of the NLCA, the NIRB shall proceed to screen this project proposal. The NIRB may request additional information at any time during the process. The NIRB will copy you on screening process related correspondence and upload related documents to the above ftp site for public access.

The NIRB is copying parties and municipalities potentially affected by CGS' project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **June 28, 2012**.

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 and socio-economic effects; and if so, why;

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

Please note that *proposed* project-specific terms and conditions, should the project proceed, have been attached for consideration and comment (**Appendix A**).

Please send your comments to the NIRB at [info@nirb.ca](mailto:info@nirb.ca) or via fax at **(867) 983-2594**.

If you have any questions or concerns, feel free to contact me directly at (867) 793-4633 or [sgranchinho@nirb.ca](mailto:sgranchinho@nirb.ca).

Sincerely,



Sophia Granchinho  
Technical Advisor  
Nunavut Impact Review Board

cc: Distribution List  
Phyllis Beaulieu, Nunavut Water Board  
Malkiat Aulakh, Government of Nunavut – Community and Government Services

Attachments: Appendix A – *Proposed* Project Specific Terms and Conditions

Enclosures (2): Comment Forms (English and Inuktitut)

## **Appendix A**

### *Proposed Project Specific Terms and Conditions*

The following is a list of project-specific terms and conditions which, should the project proceed, may be recommended to be attached to any approval.

#### **General**

1. The Government of Nunavut, Community and Government Services (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times.
2. The Proponent shall forward copies of all permits obtained and required for this project to the Nunavut Impact Review Board (NIRB) prior to the commencement of the project.
3. The Proponent shall operate in accordance with all commitments stated in correspondence provided to the NIRB (Part 1 Summary Application Form, June 5, 2012; NIRB Project Specific Information Requirements, June 5, 2012), the Nunavut Planning Commission (Application to Determine Conformity, June 8, 2012) and the Nunavut Water Board (General Water Licence Application, May 25, 2012; Supplementary Information Requirements for Hydrocarbon-Impacted Soil Storage and Landfarm Treatment Facilities Application).
4. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.

#### **Wildlife - General**

5. The Proponent shall ensure that there is no damage to wildlife habitat in conducting this operation.
6. The Proponent shall not harass wildlife. This includes persistently worrying or chasing animals, or disturbing large groups of animals. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.
7. The Proponent shall ensure that all project personnel are made aware of the measures to protect wildlife and are provided with training and/or advice on how to implement these measures.

#### **Migratory Birds and Raptors Disturbance**

8. The Proponent shall not disturb or destroy the nests or eggs of any birds. If nests are encountered and/or identified, the Proponent shall take precaution to avoid further interaction and or disturbance (e.g., a 100 metre buffer around the nests). If active nests of any birds are discovered (i.e. with eggs or young), the Proponent shall avoid these areas until nesting is complete and the young have left the nest.

#### **Fuel and Chemical Storage**

9. The Proponent shall ensure that re-fuelling of all equipment occurs a minimum of thirty-one (31) metres away from the high water mark of any water body.
10. The Proponent shall use adequate secondary containment or a surface liner (e.g. self-supporting insta-berms and fold-a-tanks) at all refueling stations. Appropriate spill response equipment and clean-up materials (e.g., shovels, pumps, barrels, drip pans, and absorbents)

must be readily available during any transfer of fuel or hazardous substances, as well as at vehicle-maintenance areas and at drill sites.

11. The Proponent shall use drip pans or other equivalent device when refueling equipment on-site. Appropriate spill response equipment and clean-up materials (e.g., shovels, pumps, barrels, drip pans, and absorbents) must be readily available during any transfer of fuel or hazardous substances.
12. The Proponent shall ensure that all personnel are properly trained in fuel and hazardous waste handling procedures, as well as spill response procedures. All spills of fuel or other deleterious materials of any amount must be reported immediately to the 24 hour Spill Line at (867) 920-8130.

### **Landfarm Operation**

13. The Proponent shall only treat petroleum and hydrocarbon contaminated soils using the landfarm facility. Materials contaminated with other substances such as glycol and heavy metals are not to be stored at the landfarm and shall only be disposed of at an authorized facility.
14. The Proponent shall ensure that required standards as set out in the Nunavut Water Board's Water Licence for this project are met prior to any discharge of collected water in the retention cell.
15. The Proponent shall ensure that the equipment used in the landfarm operation for aeration or other purposes are cleaned off within the landfarm facilities prior to exiting in order to prevent transfer of contaminated soil.
16. The Proponent shall take appropriate dust suppression measures when conducting soil turning and removal.
17. All operations personnel shall be adequately trained prior to commencement of any operation in the landfarm facility. Operational personnel must also be trained in the operational guidelines and commitments made by the Proponent for this project.

### **Ground Disturbance**

18. The Proponent shall not move any equipment or vehicles to the site unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging. Overland travel of equipment or vehicles must be suspended if rutting occurs.
19. The Proponent shall implement suitable erosion and sediment suppression measures on disturbed areas before, during and after construction in order to prevent sediment from entering any water body.
20. All construction and road vehicles must be fitted with standard and well-maintained noise suppression devices and engine idling is to be minimized.
21. The Proponent shall use water or other non-toxic and biodegradable additives for dust suppression as necessary to maintain ambient air quality without causing water to pool or runoff.

### **Restoration of Disturbed Areas**

22. The Proponent shall ensure that all disturbed areas are restored to a stable or pre-disturbed state as practical as possible upon completion of field work.
23. The Proponent shall remove all garbage, fuel and equipment upon abandonment.

**Other**

24. The Proponent should, to the extent possible, hire local people and consult with local residents regarding their activities in the region.