



January 19, 2009

Deon Bridge
Technical Advisor
Nunavut Water Board
PO Box 119
Gjoa Haven NU
X0B 1J0

**RE: RESPONSE TO YOUR REQUEST FOR CLARIFICATION ON NEW
WATER LICENCE APPLICATION – BEAR ISLAND MID-CANADA LINE
RADAR STATION REMEDIATION PROJECT**

Dear Mr. Bridge:

Indian and Northern Affairs Canada is pleased to provide clarification on the items detailed in your January 7, 2009 letter regarding the Water Licence Application submitted for the Bear Island Mid-Canada Line Radar Station Remediation Project. Below you will find an itemized response:

1. The Licence application has been filled out with a completion date of May 1, 2014 but the remote camp questionnaire indicates a completion date of December 1, 2011. Please clarify the requested completion date;
 - The requested completion date for both documents should have been May 1, 2014.
2. In section 2.3.1 of appendix 7 there is a project schedule that identifies that remedial activities are anticipated to take place in the summer of 2009 and 2010. Can a more specific schedule of activities be provided at this time?
 - We are in the process of hiring a contractor for this project and the schedule will depend on the contractor selected. Once a contractor has been selected we will forward a detailed copy of the schedule to the NWB.
3. The location of the proposed sewage lagoons is not identified. This information is crucial in order for the NWB and interested persons to perform a review of the possible impacts of the operations on fresh water;
 - We are in the process of hiring a contractor for this project and the exact location of the sewage lagoons has not been determined. The proposed location of the Construction Camp is detailed in Figure 2.1A of the Remedial Action Plan – *Revised*; the sewage lagoons will be located in the vicinity of the Camp. Once a contractor has been selected we will provide the NWB with the exact location of the sewage lagoons.

4. A plan for the release of treated effluent from the sewage lagoon has not been identified. When will decanting take place and where would the discharge be release to?
- We are in the process of hiring a contractor for this project and a detailed plan for the release of treated effluent has yet to be developed. Once a contractor has been selected we will provide the NWB with a detailed plan for the release of treated effluent.
 - This plan will follow all terms and conditions of the water licence and will include the following:
 - i. Sewage lagoon discharge will occur once per year near the end of the field season. The lagoons will be of sufficient capacity to contain all the wastewater generated during a field season to ensure sufficient capacity and treatment time.
 - ii. Testing of lagoon contents prior to discharge to ensure that all discharge criteria have been met.
 - iii. Decant the lagoon using a floating intake device equipped with a screen.
 - iv. Discharge the water over a bed of large rocks to avoid creating a gully.
 - v. Discharge location will be at least 30 metres from the ordinary high water mark of any water body and where direct flow into a water body is not possible .
5. On drawing C05, Area 3 Barrel Cache and North Landfill Area, there is an area that is to be regraded at approximately N 6 022 200, E 494 150. Please provide clarification on the location and whether this is the area of the North Landfill as referred to throughout the Remedial ActionPlan – *Revised* and in the map's title?
- The area to be regraded on drawing C05 is the North Landfill Area, a Class C landfill. As per the INAC Abandoned Military Sites Remediation Protocol the remediation of this area includes:
 - i. Collection, sorting, and appropriate disposal of surface debris.
 - ii. Placement of an engineered cover to promote surface water runoff, prevent erosion, and mitigate against settlement.
6. On page 20 of the Remedial Action Plan – *Revised*, the 'Existing Landfill' section of Table 3 states that "Landfill North of Site 413 is considered a Class A landfill and was found to contain hazardous materials. The surrounding soils are being impacted from debris located within the landfill." However the same document labels the landfill as "Landfill North of Site 412" on page 9. The drawings suggest that the proper name is "Landfill North of Site 412" since there is no labelled landfill North of 413 on drawing C03, but there is a hazardous landfill North of 412 on drawing C06. Please confirm and clarify.
- The reference to the "Landfill North of Site 413 in Table 3 on page 20 of the Remedial Action Plan – *Revised* is incorrect, this should say the "Landfill North of Site 412.

- To clarify, there are two existing landfills on Bear Island that will be remediated:
 - i. North Landfill (Drawing C05) – Class C.
 - ii. Landfill North of Site 412 (Drawing C06 – top left corner) – Class A.
- Drawing C06 also indicates the location of the Non-Hazardous Waste Landfill that will be constructed during remediation

If you have any questions or require additional information please contact me at (867) 975-4733 or via e-mail at yetmanm@inac-ainc.gc.ca.

Sincerely,



Mark Yetman
Project Manager, Contaminated Sites