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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

February 28, 2017

Licence No.: 3BC-DYE0919

By Email

Major I. Creighton
North Warning System Office
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON, K1A 0K2
Email: ian.creighton3@forces.gc.ca

RE: NWB Licence No. 3BC-DYE0919 Guidance for On-Site Culvert Work

Dear Major I. Creighton:

The Department of National Defence (DND) currently holds the 3BC-DYE0919 Licence, allowing for water use and waste disposal activities associated with the operation and maintenance of the Cape Dyer Project. The Cape Dyer Project is Canada's North Warning System Long Range Radar Site #DYE-M. This unmanned radar site is used by the DND to gather information concerning airborne activity within the arctic surveillance area. This site is located on Baffin Island and has coordinates of 66°40'05 north latitude, 61°21'13" west longitude.

On February 17, 2017 the Nunavut Water Board received a letter withdrawing the DND's Amendment application for 3BC-DYE0919 and proposing site activities to accommodate on-site culvert work. The proposed on-site culvert work will consist of replacing three (3) existing culverts with larger sized culverts, as well as installing four (4) additional culverts. The on-site culvert work is scheduled for the summer of 2018, and the work is to be completed by the principle contractor Raytheon Canada Ltd (RCL). The proposal for work, including pictures and maps, has been placed on the Board's public registry, available from the following link:

[ftp://ftp.nwb-oen.ca/registry/3%20MUNICIPAL/3B/3BC%20-%20Camp/3BC-DYE0919%20\(DYE-M\)/1%20APPLICATION/2016%20Amendment%20\(Withdrawn\)/](ftp://ftp.nwb-oen.ca/registry/3%20MUNICIPAL/3B/3BC%20-%20Camp/3BC-DYE0919%20(DYE-M)/1%20APPLICATION/2016%20Amendment%20(Withdrawn)/)

After reviewing the proposed culvert work the Board offers the following guidance:

1. In adherence with **Part F, Item 3** of the existing 3BC-DYE0919 Licence, the Licensee is reminded that all as-built plans and drawings showing the culvert modification work will need to be submitted to the Board within ninety (90) days of completion of the modification.
2. When completing the proposed culvert activities, the Licensee must also adhere to the specific conditions applying to water use as described 3BC-DYE0919 Licence **Part C, Item 6 and 7**:
 - a. *The Licensee shall not cause erosion to the banks of any body of water and shall provide*

necessary controls to prevent such erosion.

- b. Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into water.*
3. In adherence with **Part H, Item 1.h** of the Licence, the Licensee is required to submit to the Board, six (6) months prior to the abandonment of the site, an Abandonment and Restoration Plan that takes into consideration the alterations made to drainage patterns, including the installed culverts.
4. The Board expects that the Licensee shall carry out regular inspections of all Water management structures, such as the culverts, during periods of flow. As dictated by the 3BC-DYE0919 Licence, all records must be kept for review upon request by an INAC Inspector.

If you have any questions or require further direction with respect to this matter, please contact the Board's Licensing Department by email at licensing@nwb-oen.ca or by phone at (867) 360-6338.

Regards,

Original signed by:

Cynthia Ene, Technical Advisor
Nunavut Water Board

Posted: Public Registry

Cc: Distribution List – Qikiqtani