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Department of Environment

Ministère de l'Environnement

July 27, 07

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board

via Email to: licensing@nunavutwaterboard.org

**RE: NWB FILE # 2BE-FER – STARFIELD RESOURCES LTD. – WATER
LICENSE RENEWAL APPLICATION**

Dear Ms. Beaulieu:

The Government of Nunavut, Department of Environment (DOE) has reviewed the water license renewal application from Starfield Resources Ltd. This application is related to the Ferguson Lake project for their camp operation and base metal exploration approximately 166 km south of Baker Lake. Based on the *Environmental Protection Act*, the DOE has the following comments and recommendations to make regarding air quality, and abandonment & restoration.

1. AIR QUALITY

The Government of Nunavut is signatory to *Canada-Wide Standards (CWS) for Dioxins and Furans*, and *Canada-Wide Standards for Mercury Emissions*. The proponent indicated that a dual chamber incinerator will be utilized for incineration of camp wastes, but specifications of the incinerator were not provided; it is unclear if emission of this incinerator will meet the CWS standards. Additionally, page 3-2 of the Abandonment and Restoration Plan 2007 indicated that "waste oil will be incinerated." The DOE therefore requests that the proponent demonstrates emission of oil incineration meeting the CWS standards.

2. ABANDONMENT & RESTORATION

Drill sumps should only be used for inert drill cutting, not any other materials or substances. The sumps should be properly closed out at the end of a project to match the surrounding contour.

The DOE thanks the NWB for giving us the opportunity to review and provide comments on the Ferguson Lake project water license renewal application. Please contact us if you have any questions or comments.

Yours sincerely,

Original signed by

Helen Yeh
Environmental Assessment Coordinator
Department of Environment
Government of Nunavut