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Department of Environment

Ministère de l'Environnement

February 6, 2009

Phyllis Beaulieu  
Manager of Licensing  
Nunavut Water Board

**via Email to:** [licensing@nunavutwaterboard.org](mailto:licensing@nunavutwaterboard.org)

**RE: NWB # 2BE-CHI – PEREGRINE DIAMONDS LTD. – CHIDLIAK DIAMOND  
EXPLORATION PROJECT – AMENDMENT APPLICATION**

Dear Ms. Beaulieu:

The Government of Nunavut, Department of Environment (DOE) has reviewed an amendment application for the Chidliak project from Peregrine Diamonds Ltd. (proponent) for conducting diamond exploration approximately 85 km northeast of Iqaluit. Based on DOE's *Environmental Protection Act*, we have the following comments to make regarding spill contingency planning, abandonment and restoration, and drilling on ice.

This amendment application includes: construction of a second camp, ice drilling, blasting, trenching and an increase in water use.

DOE believes that the Proponent's request to have a daily water consumption of up to 95 cubic meters from 60 cubic meters per day is reasonable.

**A. SPILL CONTINGENCY PLAN:**

Based on the Government of Nunavut *Spill Contingency Planning and Reporting Regulations*, and *Guideline for the General Management of Hazardous Waste in Nunavut*, DOE has the following recommendations to make:

- The DOE monitors the movement of hazardous wastes including waste fuel, from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest must accompany all movements, and all parties must register with the DOE. This registration can be done by contacting Rob Eno at (867) 975-7748 or [reno@gov.nu.ca](mailto:reno@gov.nu.ca).

- The proponent indicates that there will be a “powder factor” use as an explosive for blasting in their project description. Firstly, there should be more information about blasting agent (i.e. chemical component) and secondly, MSDS for each chemical is required to be attached to the spill and contingency plan.
- The proponent should be required to update the spill contingency plan to include the CAT Skidsteer 247B (heavy equipment). A spill kit should be required to be carried on this equipment. In general, the proponent should be fully prepared to deal with spills resulting from heavy equipment accidents along the road in a timely and efficient manner.

**B. ABANDONMENT AND RECLAMATION PLAN:**

- The proponent should be required to ensure that there is no open burning of plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials from incomplete combustion and/or leachate from contaminated ash residual from impacting any surrounding waters.

**C. DRILLING ON ICE:**

- The proponent proposes to carry out drilling on ice; therefore, the Nunavut Water Board should impose standard conditions related to this activity.

DOE thanks NWB for giving us the opportunity to review and provide comments on Peregrine Diamonds Ltd. Chidliak project. Please contact us if you have any further questions or comments.

Yours sincerely,

***Original signed by***

Dee Karadag  
Environmental Assessment Coordinator / Scientist  
Department of Environment  
Government of Nunavut