



Water Resources  
Nunavut Regional Office  
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July 21, 2011

Phyllis Beaulieu  
Licensing Administrator  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU, X0A 1J0

Your file - Votre référence  
3BC-PVD----  
Our file - Notre référence  
CIDM# 472213

**Re: 3BC-PVD---- Paleozoic Vertebrates of Devon Island Project – Neil Shubin, University of Chicago – Qikiqtani Region – New Application**

Aboriginal Affairs and Northern Development Canada (AANDC) has performed a review of the new water licence application, 3BC-PVD---- (Paleozoic Vertebrates of Devon Island) submitted to the Nunavut Water Board (NWB) by Neil Shubin from the University of Chicago. The following advice has been provided pursuant to AANDC's mandated responsibilities for the enforcement of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSTRTA) and the *Department of Indian Affairs and Northern Development Act* (DIAND Act). In conducting our review, AANDC referred to the documents on the NWB's FTP-site under 3BC-PVD----.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4738 or by e-mail at [jean.allen@aandc-aadnc.gc.ca](mailto:jean.allen@aandc-aadnc.gc.ca).

Sincerely,

*Original Signed By*

Jean Allen  
Water Management Specialist

Cc. Tanya Trenholm, A/Manager of Water Resources, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office  
Andrew Keim, Water Resource Officer, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office  
Ian Rumbolt, Water Resource Officer, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office



## **Technical Review Memorandum**

To: Phyllis Beaulieu – Manager of Licensing, Nunavut Water Board

From: Jean Allen – Water Management Specialist, Aboriginal Affairs and  
Northern Development Canada

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**Re: 3BC-PVD---- Paleozoic Vertebrates of Devon Island Project – Neil  
Shubin, University of Chicago – Qikiqtani Region – New Application**

### **A. Project Description**

On July 6, 2011, the Nunavut Water Board (Board) distributed Neil Shubin's application for a Type B water licence for water use and waste disposal in association with the Paleozoic Vertebrates of Devon Island. The applicant has requested a licence term of 1 year (July 2011 to 2012) to inspect the surface of the surrounding areas (25 km radius from the base camp) for fossils.

Dr. Shubin proposes the set up a temporary camp of 5 tents along the Tucker River (76°42.743' N, 93° 28.193' W) to accommodate 4 crew members for 3 weeks. The camp will be situated on Crown land, approximately 220 km south of Resolute Bay, NU.

Water usage for the camp is anticipated to be minimal (0.5 m<sup>3</sup> / day). Water will be bucketed by hand from Tucker River. Greywater will be filtered and buried at least 100 m from any water source. Sewage will be buried at least 100 m from any water source. Dr. Shubin indicates that organic and solid waste will be burned and removed from the site.

### **B. Results of Review**

AANDC Water Resources Division offers the following comments/  
recommendations for the Board's consideration.

#### **1. General**

- The applicant identified Kitikmeot as the area in which the project is located. AANDC notes that Devon Island is located in the Qikiqtani Region (North Baffin).



- The applicant indicated that solid waste will be burned and removed from the site. AANDC does not encourage the open burning of waste and recommends that waste be backhauled to the nearest approved solid waste facility for proper disposal.
- The supplementary questionnaire specifies that food scraps will be packed along with garbage. AANDC encourages the proper storage of waste so as not to attract wildlife.
- The applicant indicates that all solid waste will be removed from the site but a disposal facility was not identified. AANDC recommends that the applicant obtain written authorization from a municipality (i.e. Hamlet of Resolute Bay) confirming the use of their facilities to dispose of wastes and provide a copy of the authorization to the Board.

## **2. Fuel Spill Contingency Plan**

- The plan should include Material Safety Data Sheets for all hazardous wastes on site (i.e. propane)

## **3. Abandonment and Restoration (A&R) Plan**

- While no specific Abandonment and Restoration plan was provided, AANDC feels that the provisions for waste removal and site cleanup provided in the water licence application and the supplementary questionnaire are sufficient to the size and scale of the camp.

cc. Tanya Trenholm, A/Manager of Water Resources, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office  
Andrew Keim, Water Resource Officer, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office  
Ian Rumbolt, Water Resource Officer, Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office