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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

# WATER LICENCE APPLICATION FORM

Application for: (check one)

**_X_ New __ Amendment ___Renewal ___Assignment**

**LICENCE NO:**
(for NWB use only)

**1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE**

***Dunsmuir Ventures Ltd.***
*3123 – 595 Burrard Street, P.O. Box 49139*
*Vancouver, B.C. V7X 1J1*
*Jennifer Pell, Vice President, Exploration*

Phone: *604-681-6311*
Fax: *604-609-6145*
e-mail: *jpell@dunsmuirventures.com*

**2. ADDRESS OF CORPORATE OFFICE IN CANADA** (if applicable)

*Same*

Phone:_____
Fax: _____
e-mail: _____

**3. LOCATION OF UNDERTAKING** (describe and attach a topographical map, indicating the main components of the Undertaking)

*We are planning to install a temporary camp to house up to 10 people on an esker near a small lake, west of the Lorillard River, approximately 250 km NE of Baker Lake and 80 km SSW of the north arm of Wager Bay*

*See attached map*

Latitude: *65° 14.6'N* Longitude: *91° 07.3'W* NTS Map No. *56G/03* Scale *1:50,000*

**4. DESCRIPTION OF UNDERTAKING** (attach plans and drawings)

*A camp is to be set up to be used as a base of operations from which to conduct mineral exploration consisting of till sampling and prospecting. The camp will contain a maximum of 10 people at any one time, but will not have that number of people continuously. Work will take place within a 3 to 5 week period and be supported by 1 helicopter.*

*A temporary camp consisting of 4 to 6 tents (Weatherhavens or equivalent) will be set up on a sandy esker. The esker will also be used for twin otters on tundra tires to land to supply the camp.*

*Domestic water supply will probably be from a nearby small lake.*

**5. TYPE OF UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in **"bold"**)

__ Industrial
__ Mine Development
__ Advanced Exploration
__ Exploratory Drilling
__ Remote/Tourism Camp
__ Municipal
__ Power
**X** Other (describe): *Remote Exploration Camp*

**6. WATER USE**

_X_ To obtain water
__ To modify the bed or bank of a watercourse
__ To alter the flow of , or store, water
__ To cross a watercourse
__ To divert a watercourse
__ Flood control
__ Other (describe): _____

**7. QUANTITY OF WATER INVOLVED** (litres per second**,** litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)

*Sufficient for supplying personnel with drinking water and water to wash dishes, clothes and occasionally bathe in. It is estimated that water use will be in the order of 200 liters per day. Most will be consumed.*

**8. WASTE** (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

_X_ Sewage – *Human waste (up to about 350 man days worth), to be disposed of in a latrine pit dug in a sandy esker, and treated with chloride of lime*

*N/A* __ Waste oil
*N/A*__ Solid Waste

_X_ *Greywater – In the order of 20 to 150 liters per day. Any waste water (from dishes, washing) will be place in a sump pit dug in the sandy esker as far from any original water source as possible.*

*N/A*__ Hazardous
*N/A* __ Sludges
*N/A*__ Bulky Items/Scrap Metal
*N/A*___ Other (describe):_____

**9. PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING** (give name, mailing address and location; attach if necessary)

Crown land
***Land Use Permit***

DIAND __ Yes _X_ No If no, date expected *_LUP has been submitted, date to be received unknown*

Regional Inuit Association __ Yes __ No If no, date expected _____

Commissioner __ Yes __ No If no, date expected _____

**10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** (direct, indirect, cumulative impacts, etc.)

*All impacts will be kept minimal. We are planning to locate the camp on a large flat esker near a small lake. Fuel will be stored on the esker, away from the lake. We will ensure that the camp is not located near any raptor nesting sites. It will be inland and not in an area deamed "Polar Bear Habitat". We will avoid disturbing caribou. The camp will be dismantled and it and all materials, fuel drums etc. removed at the end of the field season.*

*For containment fuel spill contingency plans, please see attached sheet*

NIRB Screening __ Yes __ No If no, date expected _____

**11. INUIT WATER RIGHTS**

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

***NO***

**11. (Continued)**

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

**12. CONTRACTORS AND SUB-CONTRACTORS** (name, address and functions)

*Peter's Expediting, Baker Lake – camp construction and camp staff*
*Frontera Geological – Vancouver – Geological contractors*
*Undetermined Helicopter company*

**13. STUDIES UNDERTAKEN TO DATE** (list and attach copies of studies, reports, research, etc.)

*N/A*

**14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN**

Supplementary Questionnaire (where applicable: see section 5) **X** Yes __ No If no, date expected _____

Inuktitut/English Summary of Project __ Yes **X** No If no, date expected *__ASAP__*

Application fee $30.00 (c/o of Receiver General for Canada) __ Yes _**X**_ No If no, date expected *- to be sent by courier with original copy of these documents*

**15. PROPOSED TIME SCHEDULE**

_**X**_ Annual (or) __ Multi Year

Start Date*: July 1 to 15th 2003* Completion Date: *August 15 to 25th 2003*

| **Jennifer Pell** | **V.P. Exploration** | | **May 07, 2003** |
|---|---|---|---|
| **Name (Print)** | **Title (Print)** | **Signature** | **Date** |

**For Nunavut Water Board use only**

**APPLICATION FEE** **Amount: $**_____ **Receipt No.:**

**WATER USE DEPOSIT** **Amount: $**_____ **Receipt No.:**

**CONTAINMENT FUEL SPILL CONTINGENCY PLANS**

SPILL PREVENTION/EARLY DETECTION

FUEL WILL BE STORED IN SEALED 200 L DRUMS. DRUMS WILL BE STORED IN A DEPRESSION ON A SANDY ESKER, LYING ON THEIR SIDES WITH BUNGS AT 3 O'CLOCK AND 9 O'CLOCK POSITIONS. ALL BUNGS WILL FACE IN THE SAME DIRECTION FOR EASY INSPECTION. DRUMS WILL BE STORED IN SINGLE ROWS WITH WALKING DISTANCE BETWEEN ROWS. THE WILL BE INSPECTED EVERY SECOND DAY FOR ANY SEEPAGE.

SPILL RESPONSE MEASURE FOR FUELS

THE SOURCE OF THE SPILL WILL BE IDENTIFED. ANY POSSIBLE SOURCES OF IGNITION WILL BE ISOLATED OR REMOVED, IF POSSIBLE. THE SPILL OR SOURCE OF SPILL WILL BE CONTAINED AS POSSIBLE. THE SPILL WILL BE REPORTED TO THE APPROPRIATE 24 HOUR SPILL LINE. CLEAN-UP WILL BE INITIATED. IF NECESSARY, AID IN CLEANING UP THE SPILL WILL BE REQUESTED FROM EXTERNAL SOURCES.

SPILL CLEAN-UP MEASURES.

AS FUELS WILL BE STORED ON AND SANDY ESKER, THE FOLLOWING PROCEEDURES ARE SUGGESTED:

1) A TRENCH OR DITCH TO INTERCEPT AND CONTAIN FLOW OF FUELS WILL BE CONSTRUCTED
2) A SOIL BERM WILL BE CONSTRUCTED DOWNSLOPE OF THE SPILL, IF APPROPRIATE. SYNTHETIC, IMPERVIOUS SHEETING WILL ALSO BE USED, IF POSSIBLE, TO ACT AS A BARRIER
3) IF POSSIBLE, SPILLS AND CONTAMINATED MATERIAL (INCLUDING SOIL AND VEGETATION) WILL BE RECOVERED THROUGH MANUAL MEANS (SHOVEL)
4) SYNTHETIC ABSORBANT PAD MATERIAL WILL BE USED TO ABSORB MINOR PETROLEUM SPILLS
5) CONTAMINATED MATERIAL WILL BE TRANSPORTED TO AN APPROVED DISPOSAL OR RECOVERY SITE.

EQUIPMENT USED WILL DEPEND ON THE MAGNITUDE AND LOCATION OF THE SPILL. WHERE SAFE, DISPOSAL WILL BE DONE THROUGH CONTROLLED IN-SITU COMBUSTION ONLY WITH THE APPROVAL OF GOVERNMENT AUTHORITIES AND UNDER STRICT SUPERVISION. IN-SITU COMPUSTION CAN BE INITIATED USING A PORTABLE PROPANE TORCH (TIGER TORCH). HIGHLY FLAMABLE MATERIALS SUCH AS GASOLINE MAY BE USED TO PROMOTE IGNITION OF LESS FLAMABLE SPILLED PRODUCTS. THE OBJECTIVE OF THIS IS TO RAISE THE TEMPERATURE FOR SUSTAINED COMBUSTION OF THE SPILLED PRODUCT.