

Thank you.

Sincerely,

INUVIALUIT ENVIRONMENTAL & GEOTECHNICAL INC.



Erin Bradley
Project Manager

cc. Meighan Wilson, INAC Water Resources Division
Robert Jenkins, INAC Water Resources Division
Linda Graf, EISC
Rudy Cockney, INAC
John Brown, Shell Canada Ltd.

403 291 1150 P.03/20

INUVIALUIT ENVIRONMENTAL & GEOTECHNICAL INC.

INAC Water Resources Division
INAC Water Resources Division
INAC
Shell Canada Ltd.

Schedule III
(Subsection 6(1))

APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE

APPLICATION/LICENCE NO:
(amendment or renewal only)

<p>1. Name and Mailing Address of Applicant</p> <p>Shell Canada Limited 400-4th Avenue S.W. Calgary, AB T2P 2H5 Attention: John Brown</p> <p>Telephone: 403-691-3502 Fax: 403-269-7505</p>	<p>2. Address of Head office in Canada if incorporated</p> <p>Shell Canada Limited 400-4th Avenue S.W. Calgary, AB T2P 2H5</p> <p>Telephone: 403-691-3111 Fax:</p>
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3. Location of Undertaking (describe and attach a map, indicating watercourses and location of any proposed waste deposits)

The following coordinates identify the potential locations for the sleigh camp within the proposed program area:

Sleigh Camp Locations	Longitude	Latitude
Location 1 (Arctic Star)	68° 39' 00" N	134° 55' 40" W
Location 2	68° 28' 38" N	135° 33' 27" W
Location 3	68° 33' 31" N	135° 18' 47" W

Latitude _____ Longitude _____

4. Description of Undertaking (describe and attach plans)

Water withdrawal for sleigh camp operations and for access preparation in support of 2D Seismic activities.

5. Type of Undertaking

1. Industrial	<input checked="" type="checkbox"/>	4. Power	_____	6. Conservation	_____
2. Mining and milling	_____	5. Agriculture	_____	7. Recreation	_____
3. Municipal	_____				
8. Miscellaneous (describe)	_____				

6. Water Use

To obtain water	<input checked="" type="checkbox"/>	Flood Control	_____
To cross a watercourse	_____	To divert water	_____
To modify the bed or bank of a watercourse	_____	To alter the flow of, or store, water	_____
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 quantity to be returned to source)

Not more than 11 m³ per day to be obtained from channels of the Mackenzie River for camp purposes and not more than 75 m³ per day during access preparation activities.

SCHEDULE III - Concluded

APPLICATION FOR LICENCE, AMENDMENT OF LICENCE, OR RENEWAL OF LICENCE- Concluded

8. Waste Deposited (quantity, quality, treatment and disposal)

No wastewater will be discharged in the program area. Shell will haul all wastewater generated by their sleigh camp back to Inuvik for disposal in the municipal lagoon. Between haulings, wastewater will be stored in a heated sleigh-mounted 6,000-gallon sewage storage tank. The average maximum sewage generated in a seismic camp is 35 gallons per person per day. Considering a 60 person sleigh camp, this tank will have a 3-day capacity.

Shell will not be using a Filterboxx system to treat the wastewater generated by the sleigh camp, as indicated in Shell's original application to the NWT Water Board.

9. Other Persons or Properties Affected By This Undertaking (give name, mailing address and location; attach list if necessary)

N/A

10. Predicted Environmental Impacts of Undertaking and Proposed Mitigation

The withdrawal of water from channels of the Mackenzie River has the potential to disturb fish and fish habitat through physical entrainment, sedimentation, and the introduction of pollutants to the water body. All intake lines will be fitted with mesh screens in accordance with DFO's Freshwater Intake End-of-Pipe Fish Screen Guideline, to avoid the entrainment of fish and prevent disturbance to channel bottoms. All equipment and machinery will be maintained to reduce the risk of potential leaks. Fuel will not be stored within 100 m of water bodies, where feasible, and all fuel storage will include secondary containment. Water withdrawal may also result in the temporary alteration of riparian vegetation at the water access points. Access to water bodies will only occur at level locations during frozen ground conditions to minimize disturbance, and only tracked vehicles will be used. Please refer to Table 10 of the Project Description for further details.

No impacts are anticipated for the disposal of wastewater generated by the sleigh camp, as all wastewater will be trucked to Inuvik for disposal in the municipal lagoon.

11. Contractor and Sub-Contractors (names, addresses and functions)

Inuvialuit Environmental & Geotechnical (IEG) (Environmental Consultant)
1338R - 36th Avenue N.E.
Calgary, AB
T2E 6T6

Inuvik, included in Shell's original

Affected By (This Undertaking (give name, mailing address and location; attach list if necessary))

12. Studies Undertaken to Date (attach list if necessary)

13. Proposed Time Schedule

December 2001-late April 2002.

2778

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12. Studies Undertaken to Date (attach list if necessary)

13. Proposed Time Schedule

December 2001-late April 2002.

Start date December, 2001

Completion date August, 2002

John H. Brown
NAME

SR. Senior Supervisor
TITLE

[Signature]
SIGNATURE

01/29/2001
DATE

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APPLICATION FEE	Amount: \$ <u>30.00</u>	Receipt No.:
WATER USE DEPOSIT	Amount: \$ <u>30.00</u>	Receipt No.:

403 291 1150 P.06/20

SOR/DOR/93-303

Start date December 2001

Completion date August, 2002

[Signature]
TITLE

[Signature]
DATE

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