



**STRONGBOW**  
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July 28, 2005

Phyllis Beaulieu  
Manager of Licensing  
Nunavut Water Board  
P. O. Box 119  
Gjoa Haven, NU  
X0B 1J0

**Re: NWB2WLS0406 – Revised Spill Contingency Plan and Revised Abandonment and Restoration Plan**

Dear Ms. Beaulieu,

As per the terms and conditions attached to Amendment 1 (issued July 4, 2005) of the above referenced license, attached please find a revised copy of the Spill Contingency Plan and a revised copy of the Abandonment and Restoration Plan for the 2005 Wales Island Program. The revisions made to each of the plans reflect the requests put forth in Parts G & H respectively of the terms and conditions attached to the aforementioned license amendment.

As per our telephone conversation the camp facilities for this project have not yet been constructed and therefore some of the specific details requested in regards to the revisions of the Spill Contingency Plan (i.e. GPS coordinates of fuel storage locations) cannot be provided at this time.

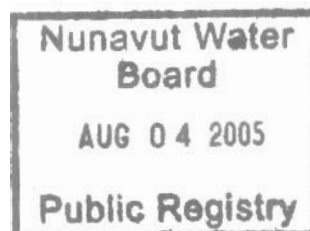
Camp construction for this project is scheduled to occur between July 28 and August 4, 2005 (weather dependant) with an expected occupancy time of six weeks. Once the camp has been constructed a full schematic of the facilities including all of the details requested in Part G. iii will be provided to the Nunavut Water Board and will become page 8 of the revised version of the Spill Contingency Plan.

If you have any questions or comments in regards to this submission please contact the undersigned at your convenience.

Yours truly,  
**STRONGBOW EXPLORATION INC.**

Per:

Nicole Westcott  
Land Administrator



INTERNAL	
PC	CP
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## **Spill Contingency Plan** **Wales Island Program 2005**

**Prepared :** July 27, 2005  
**Effective:** July 27, 2005 to July 31, 2006

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## **Project Introduction**

The following plan applies to the 2005 Wales Island Exploration Program which involves the establishment of a small, temporary camp designed to accommodate up to 12 people at a time, for an approximate period of six weeks. Camp construction is scheduled to begin between July 28<sup>th</sup> and August 4<sup>th</sup>, 2005 with the duration of occupancy expected to be about 6 weeks.

The program planned consists of drilling geophysical targets, ground geophysics on additional geophysical targets and limited till sampling. Drilling will consist of the diamond drilling of 15 short (<100m) holes using a very lightweight, helicopter portable, small diameter (1.5"-2"), drill rig.

Fixed wing support for the camp will be variable and temporary, utilizing a Twin Otter aircraft for the movement of personnel, supplies and equipment. A Hughes 500D helicopter will transport field crews to their work/sampling areas and will remain on site with the personnel for emergency support.

## **Spill Response Plan**

A spill is classified as the discharge of petroleum products or other dangerous substances into the environment. Potential hazards created by the spill for humans, vegetation, water resources, fish and wildlife vary in severity, depending on several factors, including nature of the material, quantity spilled, location and season. The general response to be followed in the event of a spill is:

*Identify the product* - check container design, warning labels, markings, etc.

*Protect people* - prevent personnel from approaching the site and keep them at a distance sufficiently removed that they will not be injured by, or cause, a fire or explosion

*Stop the flow at the source* - reduce or terminate the flow of product without endangering anyone

*Assess the seriousness of the spill* - evaluate potential dangers of the spill to human health and safety, the aquatic environment, wildlife, ground water, vegetation and other land resources

*Report the spill* - provide basic information such as location of spill, name of polluter, type and amount of material spilled, date and time of the spill and any perceived threat to human health or the environment (complete NWT Spill Report form)

*Clean up the spill* - follow procedures appropriate for the location, environment, and material and time of year

*Detailed Report* – A detailed report of the spill (including GPS location) must be submitted to the DIAND Water Resources Inspector less than 30 days after the spill is reported

## **Detailed Response Plan**

### *(a) On-site person in charge, management or control of contaminants*

John Armstrong: Stornoway Diamond Corporation (camp phone to be determined)

### *(b) Name and address of employer of personnel described in part (a)*

Stornoway Diamond Corporation  
860-625 Howe St., Vancouver, B.C.  
V6C-2T6  
phone: (604) 331-2259  
fax: (604) 689-5041

### *(c) Description of the facility*

Facility – 12 Person Camp

Locations – Fuel will be stored in the appropriate facility a safe distance from the accommodations and well away (>100m) from water bodies

Size - Fuel stored at above ground facility in sealed 205 litre (45 gal.) steel drums

Storage Capacity – Maximum fuel stored at camp will be 19 drums (3895 litres) of Jet-B and diesel combined, plus two (2) 100lb-propane tanks.

A minor amount of fuel will be stored for no more than four days at the drill site, and removed promptly upon completion of each drill hole. On-site storage will be a safe distance from drilling activities, with fuel stored in sealed steel drums. Maximum fuel storage will be 4 drums (820L) including Jet-B and diesel, plus one (1) 100lb propane tank.

### *(d) Description of the type and amount of potential contaminants normally stored at camp*

JET B fuel for the helicopter – 2050 litres (10 drums)  
Propane for heating, etc. - Two (2) 100 lb. tanks  
Oil – Several Cases of 4 Cycle Engine Oil  
Diesel for the drill - 1845 litres (9 drums)

### *Description of the type and amount of potential contaminants normally stored at drill site*

JET B fuel for the helicopter – 410 litres (2 drums)  
Diesel for the drill - 410 litres (2 drums)  
Propane for heating, etc. - One (1) 100 lb. tank

*(e) Steps to be taken to report, contain, clean up and dispose of a contaminant in the case of a spill*

#### Preventative Measures

Fuel drums will be monitored for any signs of leakage:

- (i) Immediately after they arrive on-site,
- (ii) Once they have been transported to the designated storage area, and
- (iii) Periodically after that time (i.e. as the stocks are accessed).

Drums will be stored upright on flat stable terrain during the summer to reduce chances of a leak. If available a natural depression situated well away from water bodies will be utilized for storage. The contents of any drum that leaks, or shows the potential to leak, will be transferred by wobble pump to a different drum. With the exception of the container in use, all fuel container outlets will be kept sealed to prevent leakage. On-site equipment (e.g. helicopter) will be refueled at some distance from the main storage facilities to reduce potential damage should a fire occur.

#### Reporting

- (i) Identify the product - check container design, warning labels, markings, etc.
- (ii) Protect people - prevent personnel from approaching the site and keep them at a distance sufficiently removed that they will not be injured by, or cause, a fire or explosion
- (iii) Stop the flow at the source - reduce or terminate the flow of product without endangering anyone
- (iv) Assess the seriousness of the spill - evaluate potential dangers of the spill to human health and safety, the aquatic environment, wildlife, ground water, vegetation and other land resources
- (v) Report the spill to the 24-Hour Spill Report Line (867) 920-8130 - provide basic information such as location of spill, direction of motion if any, name of contact on-site, type and amount of material spilled, cause of spill, date and time of the spill and any perceived threat to human health or the environment (complete Spill Report form)
- (vi) Report the spill to both Strongbow Exploration Inc's office and Stornoway Diamond Corporation's office (both in Vancouver)
- (vii) Depending on severity of the spill, report to the other appropriate authorities (i.e. Nunavut Water Board, Department of Fisheries and Oceans; Regional Inuit Association)

### Containment

Oil spill containment techniques include:

- (i) Earth dams - simple and effective control means for surface and small streams
- (ii) Interceptor trenches - control on land and shallow subsurface seepage
- (iii) Culvert weirs - not applicable
- (iv) Underflow dams - effective in narrow ditch or stream
- (v) Net and absorbent barriers - effective in tundra area and slow moving water
- (vi) Containment booms - commercial product for large bodies of water
- (vii) Space spraying or 'herding' - using a very fine water spray as a means of cleaning vegetation, shorelines, lake surface, etc.
- (viii) Absorbent materials - include fine sand, soil or snow; commercial sorbents include sheets, rolls, pillows and booms that can be rapidly deployed with no preparation

On-site equipment available for employees includes:

Spill Kit (containing 1 20L Poly containment pail, 12 or more 16" x 20" oil absorbent pads, 2-3" by 48" oil absorbent socks, 1 heavy duty disposal bag (6 mil), 1 pair Chemi-pro gloves and 3 lbs of All Purpose absorbent.), Shovels, and a garden sprayer will be available for spill containment measures.

### Clean up

The most likely spill scenario is the partial loss of petroleum products from one of the 205 l (45 gal.) drums. Drums will be checked on arrival in camp, after transfer to the designated storage facility and periodically thereafter. Contents of any leaking drum will be immediately transferred via wobble pump to an empty, leak free drum. It is unlikely that more than one drum will leak at any time. Any spills will be contained, and pumped into empty barrels.

### Disposal

No organic soils are present at the proposed storage site, and if possible, any sands and gravels contaminated by a significant spill of petroleum products will be excavated by hand, incinerated to remove hydrocarbons, and returned to their natural site.

### Training

All employees and contractors will be oriented upon arrival to the site as to the location and nature of possible spill hazards, as well as the location, content, and usage of spill kits, and locally available materials to control a spill. A brief exercise will be conducted after orientation to clearly outline the spill response protocol, and ensure the employee's comfort with the plan.

### Emergency Contact Information

24-Hour Spill Report Line Phone Number	(867) 920-8130
24-Hour Spill Report Line Fax Number	(867) 920-8127
DIAND Water Resources Inspector	(867) 975-4298
Environment Canada (Nunavut)	(867) 975-4644
Environment Canada 24 Hour Emergency Pager Number	(867) 920-5131
Aviat Camp – Stornoway Diamond Corporation ( <i>Extra Helicopters</i> )	(604) 759-0335
Stornoway Diamond Corporation – Logistics Manager in Igloolik ( <i>Twin Otter Access</i> )	(867)-934-8552
Qikiqtani Inuit Association	(867) 979-5391
Repulse Bay Nursing Station	(867) 462-9916
RCMP, Repulse Bay, Detachment/Emergency Number	(867) 462-1111



## Consultations

Contingency Planning and Spill Reporting in the NWT - A guide to the new regulations, GNWT, 8pp. June, 2002.

Oil Spill Containment and Clean up Techniques - 22 minute instructional video prepared by NWT Renewable Resources Pollution Control Division, 1988.

Report All Spills - Environment Series, GNWT Renewable Resources, Pollution Control Division, 1988.

Spill Containment and Clean-up Course, GNWT Renewable Resources, Pollution Control Division, 1991, 74pp.

Spill Contingency Planning and Reporting Regulations - Environmental Protection Act - Northwest Territories, July 22, 1993, 11pp.

Spills, Our Record in the Northwest Territories - Environment Series, GNWT Renewable Resources, Culture and Communications, 1990

Hazardous Substance Specialist  
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Renewable Resources  
Government of the NWT  
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Yellowknife NWT  
X1A 3S8

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## **Appendix 1**

### ***Spill Report Form***

***Camp Schematic To Be Determined***