NWB Licensing Administrator

From: Sylvia Novoligak [snovoligak@nirb.nunavut.ca]

Sent: Thursday, January 13, 2005 4:53 PM

To: ghakongak@ntilands.com; Jeannie Ehaloak; Salamonie Shoo; aglukark@npc.nunavut.ca; licensing@nwb.nunavut.ca; jgalipeau@nwmb.com; wbeveridge@ihti.ca; Spencer Dewar; enor@inac.gc.ca; MoggyD@DFO-MPO.GC.CA; GordanierT@DFO-MPO.GC.CA; colette.meloche@ec.gc.ca; mike.fournier@ec.gc.ca; gmackay@gov.nu.ca; ebaddaloo@gov.nu.ca; GLemus@gov.nu.ca; Geraldine Osborne; Julie Ross; maureen@nunavuttourism.com; sstewarts@inac.gc.ca; 'Atkinson, Mike'; ttoonoo@gov.nu.ca; hbhamlet@sympatico.ca; igloolik@magma.ca; saoclyde@nunanet.com

Subject: 05EN004-Mineral Exploration, Stornoway Diamond Corporation

Please review NIRB #05EN004 and respond by February 2nd, 2005.

Quana

Sylvia Novoligak
Screener Administrator Trainee
Nunavut Impact Review Board
P.O. Box 2379
Cambridge Bay, NU X0B 0C0
Toll Free: 1-866-233-3033
Ph: 867-983-4613
Fax: 867-983-2594
Email: snovoligak@nirb.nunavut.ca
Website: http://nirb.nunavut.ca
ftp site: http://ftp.nunavut.ca/nirb/

050113NWB25NN NIRB Screening Request.1mLE

3/8/2005

January 13, 2005

Dear Baffin Distribution List

Re: Your comments on this application.
NIRB#: 05EN004
Project: Mineral Exploration
Proponent: Stornoway Diamond Corporation

Nunavut Impact Review Board has received an application for a Mineral Exploration near Igloolik, Hall Beach, Clyde River and Repulse Bay . Please use NIRB file No. 05EN004 and the contact person listed below, in all future correspondence regarding this application.

The application documents are available through the internet on the NIRB ftp site at www://ftp.nunavut.ca/nirb in the folder "05EN004-Mineral Exploration, Stornoway Diamond Exploration ".

Please assess the project proposal for the potential effects on the ecosystemic and socio-economic environments, from your knowledge of the area or your field of expertise.

Please forward your comments and recommendations to NIRB by February 2nd, 2005 1:00pm local time.

A comment form has been included with the package.

If you have any questions regarding the application, please do not hesitate to contact our office. Your input is greatly appreciated.

Yours truly,

Sylvia Novoligak
Environmental Screener Trainee
Phone (867) 983-4613
Fax (867) 983-2574 or (867) 983-2594

COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and scio-economic impacts of the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: **Mineral Exploration**
Proponent: **Stornoway Diamond Corporation**
Location: **Near Igloolik, Hall Beach, Clyde River, and Repulse Bay**
Comments Due By: **February 2nd, 2005** **NIRB #:** **05EN004**

Indicate your concerns about the project proposal below:

- ☐ no concerns
- ☐ water quality
- ☐ terrain
- ☐ air quality
- ☐ wildlife and their habitat
- ☐ marine mammals and their habitat
- ☐ birds and their habitat
- ☐ fish and their habitat
- ☐ heritage resources in area
- ☐ traditional uses of land
- ☐ Inuit harvesting activities
- ☐ community involvement and consultation
- ☐ local development in the area
- ☐ tourism in the area
- ☐ human health issues
- ☐ other: _____

Please describe the concerns indicated above:

Do you have any suggestions or recommendations for this application?

Do you support the project proposal? Yes ☐ No ☐ Any additional comments?

Name of person commenting: _____ **of** _____
Position: _____ **Organization:** _____
Signature: _____ **Date:** _____

KIVALLIQ INUIT ASSOCIATION

APPLICATION FOR ACCESS TO INUIT OWNED LAND

Office use only

Category	Application No:	Accepted By:	Date Accepted
LUL-III	KVL305C03	Mattimee	

To be completed by all applicants

1. Applicant's name and mailing address (Full name, no initials or abbreviations)	Telephone #
Stornoway Diamond Corporation, **Suite #860 – 625 Howe St.,** **Vancouver, BC,** **V6C 2T6**	**(604) 668 8355**
	Fax # **(604) 689 5041**
2. Head Office address	Telephone #
[Same as above]	Fax no.
3. Field supervisor and address if different from above **Dean Besserer (of APEX Geoscience Ltd.)** **#200, 9797-45 Avenue, Edmonton, AB T6E 5V8**	Telephone # **(780) 439 5380**

4. Other personnel list (Subcontractors or contractors to be used)

Numbers will vary, but up to: 26 contract technical personnel (geophysical, geological); 5 camp support personnel (cook, etc.); 3 helicopter pilots/1 engineer; 5 contract drillers

Total no. of personnel: 40 No. of person days: **100 - 200**

5. Location of activities by map coordinates. Attach **ORIGINAL** maps and sketches.

MAX Latitude	Degrees 69°	52'	76"	MAX Longitude	85°	54'	14"
MIN Latitude	Degrees 66°	37'	24"	MIN Longitude	81°	11'	42"

Map Sheet No: 37C; 46J, N, O; 47 A-E Inuit Land Parcel No: **See attached map**

Coordinate of camp (if applicable) Lat.____ ° ' " Long.____ ° ' "

NOTE: Please specify projection, datum, and digital format. Please provide the data as an Arc Info cover, ArcView

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Shape file or an .E00 file.

There will be no camp constructed on IOL.

6. Periods of operation; including periods of seasonal shut down and periods for restoration

March through November

7. Period of access required (up to one or two years for licenses, depending on license level, up to five years for residential/recreational leases and level I and II commercial leases, and up to forty years for level III commercial leases)	Start date	Completion Date
	01/03/2005	30/11/2007

8. Other rights, licenses, permits or leases related to this application. Provide proof of rights or indicate if in the process of applying for rights.

- [X] NTI Subsurface Right
- [X] DIAND Subsurface Right
- [X] NWB Water License
- [#] _____
- [ ] NRI Research License
- [ ] RWED Tourism License
- [ ] Explosives Permit
- [ ] CWS Permit
- [ ] Other

Specify:

9. TYPE OF LAND USE ACTIVITY

Check off the appropriate land use activities.

Mining/Oil & Gas

- [X] Staking and Prospecting
- [X] Exploration (geophys-grd/air)
- [X] Drilling (diamond/ice, etc)
- [ ] Mine (open pit, underground)
- [ ] Bulk fuel storage
- [ ] Other: _____

Construction:

- [ ] Camp
- [ ] Building
- [ ] Winter road
- [ ] All Season road
- [ ] Quarrying
- [ ] Other: _____

Tourism:

- [ ] Tourism facility
- [ ] Outfitting
- [ ] Other _____

Municipality:

- [ ] Bulk Storage
- [ ] Residential Building
- [ ] Comercial Building
- [ ] Other: _____

Research:

- [ ] Wildlife/fish/birds/marine
- [ ] Survey (grd/aerial/collars)
- [ ] Collection of species
- [ ] Research Satiation
- [ ] Other : _____

Other:

- [ ] Commercial harvest
- [ ] Recreational Camp
- [ ] Other _____

Water Use

10. TYPE OF WATER USE

Select the kind of project for which you will use the water, and the type of water use

Undertaking ***Water Use:***

- [ ] Advanced Exploration
- [ ] Exploration Drilling
- [ ] Industrial
- [ ] Mine Development
- [ ] Power
- [ ] Remote/Tourism
- [ ] Other: _____

- [ ] To Obtain Water
- [ ] To Modify the bed or bank of water course
- [ ] To Alter the flow of, or store water
- [ ] To Cross the Watercourse
- [ ] To Divert the Watercourse
- [ ] Flood Control
- [ ] Other: _____

11. QUANTITY OF WATER INVOLVED

Please include the quantity of water will use during the Land Use activity

Quantity of water to be used:	1,000	m^3/year
Quality to be returned:		m^3/year

12. WASTE

Describe the type of waste produced by the activity

- [ ] Bulky Items/Scrap metals
- [ ] Grey water
- [ ] Hazardous
- [ ] Sewage
- [ ] Sludge
- [ ] Solid waste
- [ ] Waste Oil
- [ ] Other:

Describe:

13. LAND USE PERMIT

Select Land Use Permit Issued

[x]	DIAND	yes	If not, date expected
[x]	Kivalliq Inuit Association	yes	If not, date expected
[ ]	Commissioner	yes	If not, date expected
[ ]	Department of Environment	yes	If not, date expected

14. IMPACT

Predicted environmental impacts of undertaking and proposed mitigation measures (direct, cumulative impacts)

Describe: Environmental impacts will be minimal as all fieldwork will be helicopter supported. There will be no camp constructed on IOL. Every effort will be made to avoid any denning and nesting areas identified. Any archaeological finds will be reported to the KIA immediately and will not be disturbed. See the attached *Environmental Procedures Plan* for more detail.

NPC conformity check

NIRB Screening

[ ]	Yes
[ ]	No

If not, date expected

Proposed Time Schedule

[ ] Same as the Land Use

[ ] Check for **Annual Work**, specify the days of operation [Leave unchecked for multi year work]

Start day Completion date

15. On a separate page, provide a NON-TECHNICAL project summary. This should include a non-technical description of the project proposal, no more than 300 words, in English and Inuktitut (Inuinaktun, in the West Kitikmeot). The project description should outline the project activities and their necessity, method of transportation, any structures that will be erected, expected duration of activity and alternatives considered. If the proposed activity fits into any long-term developments, please describe the projected outcome of the development for the area and its timeline.

16. **Attach a detailed project description as outlined in APPENDIX A.**

17. **Land Use Application Fees:**

[ ] Land Use License I
Inuit $ 0.00
Non-Inuit $100.00

[ ] Land Use License II $100.00

[ ] Land Use License III $500.00

[ ] Residential/Recreational Lease
Inuit $ 0.00
Non-Inuit $ 250.00

[ ] Exemption Certificate $0.00

[ ] Commercial Lease I $1000.00

[ ] Commercial Lease II $2500.00

[ ] Commercial Lease III $5000.00

[ ] Right of Way Agreement $500.00

[ ] Marble Island Tourism
Inuit $ 0.00
No-Inuit $10.00

Land use fees: # of hectares used @ $50.00/hectare = $ 0.00

Note: The land use fee is for the amount of land used on an annual basis.

18. Water Application Fees:

Water License Application type:

- [ ] For Land Use license Class I
  the corresponding *Water Application fee is* **$50.00** per year plus **$ 1** for Water use charge, *Volumetric fee,* **Total $51** every year
- [ ] For Land Use License Class II the corresponding *Water Application fee is* $250.00 every 2 years plus **$ 1** for Water use charge, *Volumetric fee,* **Total $251.00** every year
- [x] For Land Use License III
  The corresponding *Water Application fee* is **$500.00** every 2 years and **$26.35/1000m³** for Water Use charge *Volumetric fee.* **Total $276.35** every year
- [ ] For Commercial Lease I
  The corresponding *Water Application fee is* **$50.00** and **$ 26.35 /1000m³** for Water use charge, *Volumetric fee.* **Total $76.35** every year
- [ ] For Commercial Lease II
  The corresponding *Water Application fee is* **$500.00** and **$ 26.35 /1000m³** for Water use charge, *Volumetric fee.* **Total $526.35** every year
- [ ] For Commercial Lease III,
  The corresponding *Water Application fee is* **$5000.00** and **$ 26.35 /1000m³** for Water use charge, *Volumetric fee.* **Total $5026.35** every year

Water Use Fee [Volumetric fee]: # volume water use (m^3) * $26.35/1000$m^3$ = $ 26.35

Note: The water application type is related to the Land use application type. A water Protection fee will be charge according to the type and stage of the development project.

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19. a) The Applicant request a Certificate of Exemption ☐

OR

b) The Applicant agrees to be bound by terms and conditions to be attached to the Inuit Land User License or Lease ☒

Sign name in full:

Signature

Dec - 23, 2004
Date

Revised AUGUST 2004

APPENDIX A: TECHNICAL SUMMARY

Stornoway Diamond Corp.
Suite #860 – 625 Howe Street,
Vancouver, B.C. V6C 2T6

1 Project Activities

Project activities will involve ground and airborne geophysical surveys, rock and till sampling, prospecting and mapping followed by helicopter supported diamond drilling for kimberlite. Approximately 5,000 metres of diamond drilling, up to 50 ground geophysical survey grids and 2,500 till samples are planned for the 2005 field season. Due to the size of the project area it is expected that exploration activities will continue for many years. The object of the exploration is the discovery of economic mineral deposits. In the long term, assuming a prospective deposit were discovered, activities would lead to the establishment of support infrastructure for a mining operation.

Ground geophysical surveys and diamond drilling within the project area will commence this coming spring. The exploration camp, located approximately 50 kilometers west of the town of Igloolik will be used as a staging area for all exploration. No camps will be constructed on Inuit Owned Lands.

2 Expected Schedule

01-March-2005	Mobilize field crews to Igloolik to conduct ground geophysical surveys in the project area.
31-Oct.-2005	After intermittent breaks in the exploration program we expect to terminate exploration for the year

We are planning a similar schedule for the 2006 program.

3 See attached plan maps

4 Structures

We have no plans to erect structures on land parcels covered by this land use permit. Exploration will be staged out of a forty (40) person (maximum) camp located on crown land. The camp consists of 12 insulated canvas tents built on plywood floors and a small generator shack. In addition, temporary camps may also be placed on crown land for periods up to 10 days. Empty fuel drums will be backhauled to the nearest community on a regular basis for proper disposal.

5 Equipment

Equipment:	Use:	Impact:
Diamond Drill Rig	Core Drilling	Minimal
Helicopter	Transporting Field Personnel	None

6 Fuel

No fuel caches will be stored on Inuit Owned Land parcels mentioned above. There will be fuel located at each drill site, there will be maximum 10 drums of fuel; 4 diesel drums, 1 gasoline drum, 5 Jet-B drums and 2 100lb propane bottles and all empty drums will be flown to Igloolik for proper disposal.

7 Fuel Spill Contingency Plan

Although no fuel caches will be established on Inuit Owned Land, attached is a standard fuel spill contingency plan. Fuels will be stored in Igloolik and a maximum of 10 fuel drums at the drill site.

- All barrels checked on arrival for leaking bungs or split seams.
- Barrels rolled such that bungs are horizontal.
- Fuel to be stored a minimum of 100 m from high water mark in a natural depression.
- Oil absorbent matting kept on hand for quick response
- Danger and No Smoking signs posted at fuel caches.
- Safe fuel handling practices discussed at regular safety meetings.
- Spills will be reported immediately to the 24-Hour Spill Line at (867) 920-8130 to the DIAND Water Resources Inspector in Nunavut at (867) 975-4298, Environment Canada personnel at 867-975-4639
- Depleted barrels to be safely stored with bungs replaced.
- A fuel spill kit will be located at the drill site.

8 Camp Waste Disposal

All areas designated for waste disposal shall be located a minimum of thirty (30) metres from the high water mark of any water body. Greywater will be disposed of at a site where direct flow into a water body is not possible. All non combustible camp waste including sewage, hazardous waste and waste oil will be backhauled to Igloolik and disposed of in approved waste disposal sites. Non-hazardous combustible wastes will be incinerated in a modified 45-gallon drum.

9 Transportation

Transportation to and from the field area and drill site will be via helicopter. A Wheel or ski-equipped fixed wing aircraft based in Igloolik will also be used for camp and drill support activities.

10 Environmental Components

As the project is still in the initial exploration phase and the environmental impact will be minimal, all effort will be made to ensure that no permanent environmental damage is done. If a significant mineral discovery is made in the project area and further mineral development is required, a comprehensive environmental assessment will be initiated.

11 Potential Environmental Impacts:

No permanent stress to vegetation is expected around sites of ground geophysical surveys and drill sites.

The environmental impact of exploratory diamond drilling is minimal. The drilling activity usually results in a small puddle of drill cuttings contained near the drill site. Any cuttings resulting from the drilling activity will be impounded at or near the site to prevent dispersion to the surrounding area. All water used in the drilling process will be pumped above the high water mark and away from any water drainages. If drilling additives are required for technical reasons such as drill hole stabilization through broken or faulted bedrock they will be employed only as a last resort. All efforts will be made to limit their usage.

Should drill sites be located on frozen lakes or where natural drainage is toward such lakes, great caution will be used to ensure that materials and cuttings will not be allowed to accumulate on the lake surface. Any water used in the drilling process will be pumped to an area above the high water mark and away from any water drainages. Drill cuttings will be collected in bags.

Wildlife nesting and den sites will be respected and efforts will be made to avoid disturbing natural wildlife. A registry of mammal and bird sightings will be initiated for the IOL parcels and surrounding area. Helicopter flights will be restricted to 1500 feet above ground level where practical.

Sites showing evidence of native human activity will be documented and assigned a GPS coordinate and subsequently reported to the KIA lands officer in Rankin Inlet, the Deputy Minister of Culture, Language, Elders and Youth and to the Archeological Survey in Ottawa. Nothing will

be collected or disturbed at any archeological or potential archeological sites.

12 Reclamation Cost Analysis:

All of the costs associated with the reclamation plan have been incorporated into the project budget. Any additional reclamation costs will taken out of the project budget to insure that all reclamation work is completed.

13 Reclamation Plan:

Following the completion of each land based drill hole, drill casings will be removed if possible or cut off level with the ground. Should ground water flow from the drill hole, it will be plugged and cemented in bedrock before drill stem removal to prevent such flow.

For lake based drill holes, all holes will be plugged and cemented in bedrock, below the lake bottom and the drill casing will be removed from the lake. No material or residue will be allowed to accumulate on the lake surface. Any material that may become frozen into the ice during drilling activities will be chipped out and removed to camp for proper disposal.

All equipment, fuels and supplies will be removed from the drill sites upon completion of each hole. The project manager shall then inspect each site to ensure that it is properly restored.

14 Socio-Economic Benefits:

Support services where practical will be sourced in local communities. The long-term goal is the exploitation of an economic resource that would provide the local economy with sustainable employment and infrastructure. Nunavut registered companies will be favoured for logistical and technical support.

Project Summary

Corporate Address:

Stornoway Diamond Corp.,
Suite #860 – 625 Howe Street,
Vancouver, B.C. V6C 2T6

Mailing Address for Permitting:

c/o APEX Geoscience Ltd.
#200, 9797-45th Avenue
Edmonton, AB T6E 5V8
Attn: Dean Besserer

2005 Land Use Plan
Melville Peninsula, Nunavut

Mineral Exploration in the Melville Peninsula Area

Stornoway Diamond Corp. is dedicated to exploring for economic mineral deposits in northern Canada. During 2004, we conducted exploration for mineral deposits within the Melville Peninsula area and believe that the area has the potential to host mineral deposits. Our company is seeking to cooperate with the communities, local Inuit Associations, the Nunavut Government and the Federal Government so that all may benefit from mineral discoveries without adversely affecting the natural way of the wildlife, the people and the land.

The purpose of our activities under this land use licence are to continue to evaluate the potential for economic concentrations of minerals within Inuit land parcels within NTS map sheets 37 C, 46 I, J, K, M, N, O, P, 47 A, B, C, D and E. Our long-term plan is to conduct geological mapping, rock and soil sampling, ground and airborne geophysical surveys, prospecting, and diamond drilling, all of which have a low impact on the environment.

We plan to initiate activities on or around March 1, 2005. Field crews will be working from our exploration camp located approximately 50 kilometers west of Igloolik. Our 2005 program will be completed in several stages and will likely be complete by October 2005. Our 2006 activities will be very similar to 2005.

Our activities will be supported by camp-based helicopter and by fixed-wing aircraft from Igloolik. More specifically, our exploration camp will house crews of up to forty people. In addition, small temporary tent camps of up to eight people may be required from time to time for periods of up to 10 days.

Stornoway Diamond Corp. and their partners conduct extensive exploration programs within Nunavut and the Northwest Territories. We recognize the importance of our role in discovering mineral deposits and that our exploration programs must be conducted in the most socially and environmentally responsible fashion possible. Thank you in advance and we look forward to working with you.

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ᑲᑐᔾᔮᖅᑲᑎᒌᑦ ᑐᕌᕆᑎᖓᑦ:

Stornoway Diamond Corp.,
Suite #860 – 625 Howe Street,
Vancouver, B.C. V6C 2T6

ᑐᕌᕆᑖ ᐱᔪᓐᓇᕈᑎᑖᕈᑎᒃᓴᒍᑦ:

c/o APEX Geoscience Ltd.
#200, 9797-45th Avenue
Edmonton, AB T6E 5V8
Attn: Dean Besserer

2005-ᒥ ᓄᓇᓕᕆᓕᒍᑎᒃᓴᖅ
Melville Peninsula-ᒥ, ᓄᓇᕗᑦ

ᓇᓂᓯᒐᓱᐊᖅᑐᑦ ᐊᑑᑎᔫᒃᓴᖅᑕᖅᑲᓪᒪᖔᖅ ᒫᓂ ᓄᓇᖓᓂ Melville Peninsula-ᒥ

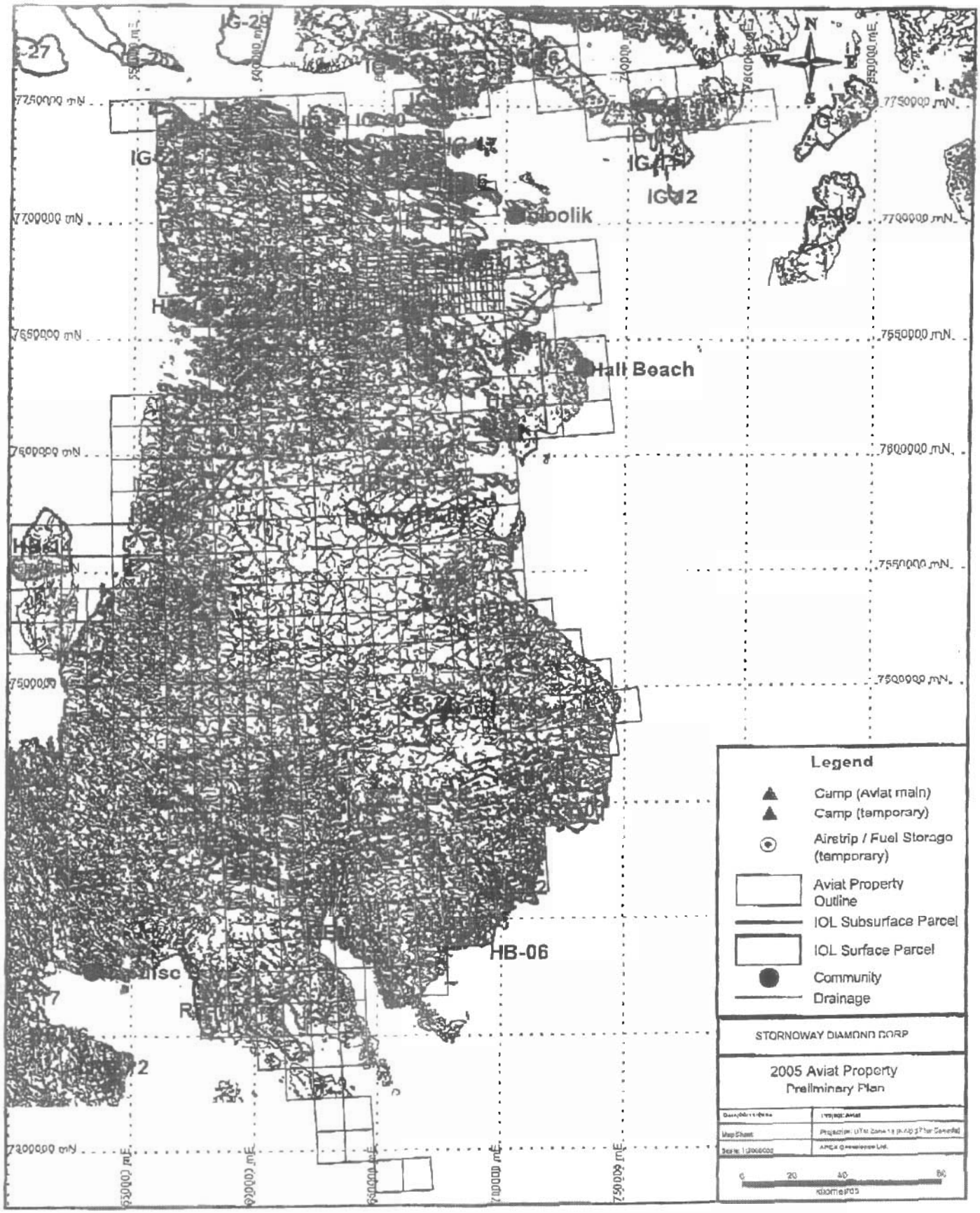
ᐅᑯᐊ Stornoway Diamond Corp.-ᓂᒻ ᕿᓂᖅᑕᑦᑕᕐᒪᑕ ᐋᑐᑎᓂᖅᑲᕐᓇᖅᑐᓂᒃ ᕿᓇᐅᔾᔭᒃᓴᐅᑎᒃᓴᓂᒃ ᐅᑭᐅᖅᑕᖅᑐᕐᒪᓂ ᑲᓇᑕᐅᑉ. 2004-ᖑᑎᓪᓗᒍ, ᐊᐅᓚᓯᓚᐅᖅᓯᒪᒻᒪᑕ ᐅᔭᕋᓂᐊᖅᓯᑕ ᐱᑕᖃᒻᒪᖔᖅ ᐱᐅᔪᒃᓴᔭᑕᖃᒻᒪᖔᖅ ᓄᓇᖓᓂ Melville Peninsula-ᒥ ᐊᒻᒪᓗ ᐱᑕᖃᑐᐃᓐᓇᓇᐊᖅᑕᑐᓂ ᓚᑦᑎᒍ ᐅᔭᕆᓂᒃ ᑲᐸᓂᖁᑎᖏᑦ ᕿᓂᖅᑐᑦ ᐱᓕᕆᖃᑎᖃᕐᓗᑎᒃ ᓄᓇᓕᖕᓂᒃ, ᓄᓇᓖᑦ ᐃᓄᐃᑦ ᑲᑐᔾᔮᖅᑲᑎᒌᖕᒋᓐᓂᒃ, ᓄᓇᕗᑦ ᒐᕙᒪᒃᑯᖕᒋᓐᓂᒃ, ᑲᓇᑕᐅᑉ ᒐᕙᒪᒃᑯᖕᒋᓐᓂᓪᓗ ᐃᓘᓐᓇᑎᒃ ᐊᑑᑎᓂᖅᑕᑐᐃᓐᓇᐅᓚᔪᕐᒪᑕ ᓴᕿᐊᔪᓂᒃ ᓇᓂᓯᔪᖅᑲᐸᑦ ᓯᕗᓂᐃᑦᑕᐃᓕᓗᓂ ᐃᓕᖅᑯᓯᖅᓯᖅᑐᓂᒃ ᐆᒪᔪᓂᒃ, ᐃᓄᖕᒋᓐᓂᒃ, ᓄᓇᒥᓪᓗ ᐊᕙᑖᓂ.

ᐱᔾᔪᑎᒥᓂᐊᖅᑕᕗᑦ ᐊᐅᓚᓯᔪᑎᑦᑎᓐᓂᒃ ᐅᕝᕙ ᓄᓇᓕᓐᓂᔾᔪᑎᒥᓂᐊᖅᑕᑦᑎᒍᑦ ᓚᐃᓴᖅᑲᕆᑎᒥᓗ ᑲᔪᓯᓂᖅᑲᓂᐊᖅᑐᖅ ᕿᒥᕐᕈᓗᑕ ᐋᑐᑎᓂᖅᑲᕐᓇᑐᐃᓐᓇᓇᐊᓕᖕᓂᒃ ᕿᓇᐅᔾᔭᒃᓴᐅᑕᐅᓗᑎᒃ ᐅᔭᕿᕆᓗᑕ ᐃᓄᐃᑦ ᓄᓇᖁᑖᖏᓐᓂ ᓄᓇᖑᐊᑎᒍᑦ ᐃᓗᐃᑦᑑᑏᑦ ᓇᓗᓇᐃᔭᖅᓯᒪᓂᖏᑦ ᓄᓇᖑᐊᑎᒍᑦ ᐅᑯᓇᓃᑦᑐᑦ 37 C, 46 I, J, K, M, N, O, P, 47 A, B, C, D, E. ᐊᑯᓂ ᐋᑐᑎᓂᖅᑲᓂᕐᓂᕆᔭᒪᓂᐊᖅᑕᕗᑦ ᐊᐅᓚᓯᖅᑲᑦᑕᕐᓗᑕ ᓄᓇᖑᐊᓕᕆᔾᔪᑎᓂᒃ, ᐅᔭᖅᑲᓂᒃ, ᓄᓇᔭᓂᓪᓗ ᐃᔾᔪᓂᒃ, ᓯᓚᑐᐃᓐᓇᖁᓪᓗ ᓇᒧᖕᒫᖅᑲᑦᑕᕐᓂᖏᓐᓂᒃ ᑎᒃᑕᐅᕆᖅᑐᑦ ᑕᒪᒃᑯᐊ ᖃᐅᔨᓴᖅᑕᐅᖃᑦᑕᓚᖓᒻᒪᑕ, ᕿᓂᖅᑎᓄᑦ, ᐊᑐᖅᑲᑦᑕᓗᑎᓪᓗ ᐃᑰᑕᕆᑎᓂᒃ ᑲᐃᕙᕆᑎᓂᒃ ᓯᑎᓚᖅᓯᐅᑎᓂᒃ, ᑕᒪᕐᒥᒃ ᑕᒪᒃᑯᐊ ᐊᒃᑐᐃᓂᖅᑲᓗᐊᔾᔮᕆᑦᑐᑦ ᐊᕙᑖᓂᑦᑐᒥᒃ ᓄᓇᒥ.

ᐱᒋᐊᖅᑎᑦᓯᔪᒪᔪᒍ ᐊᐅᓚᑕᐅᓂᐊᖅᑐᓂᒃ ᖃᓂᒋᔭᓂ March 1, 2005-ᒥ. ᐱᓕᕆᓂᐊᖅᑐᑦ ᐱᓕᕆᕝᕕᑦ ᐱᔾᔪᑦ ᐊᐅᓪᓛᖅᓯᒪᕖᑦᑎᓐᓂᒃ ᒥᒃᓴᐅᓴᒃᑐᒥᒃ ᖃᓂᒃᓴᖅᑐᖅ ᐅᐊᓕᓂᐊᓂ ᐃᒡᓗᓕᐅᑉ. ᐱᓕᕆᒍᑎᒥᓂᐊᖅᑕᕗᑦ 2005-ᒥ ᐊᒥᓱᑦ ᐱᕙᓪᓕᐊᓂᖅᑲᓂᐊᖅᑐᑦ ᐊᒥᓱᓈᖅᓯᒪᓗᑎᒃ, ᐱᔭᕇᖅᕕᒃᓴᖃᕐᒪᑕ October 2005-ᒥ. ᐅᑭᐅᓂ 2006-ᒥ ᐊᐅᓚᑕᐅᔾᔭᒃᓴᒪᑦ ᓯᓚ ᐅᔾᔨᕈᖅᑕᐅᓯᒪᓕᖅᑎᑦᑐᑦ.

ᐊᐅᓚᓂᐊᖅᑕᕗᑦ ᐃᓚᖅᑲᓂᐊᖅᑐᑦ ᐊᔪᓂ ᖁᓕᒧᓕᖕᒥᒃ ᐊᒻᒪᓗ ᖃᖓᑕᔪᖅᓴᓚᒥᒃ ᐃᓗᓕᖕᒎᖅᑲᑦᑕᖅᑐᒥᒃ. ᐱᓕᕆᓂᐊᖅᑐᑦ ᐊᔪᖏᓐᓗᑎᒃ ᐃᖅᑲᓇᐃᔭᖅᑐᑦ ᑎᑭᐅᑎᓯᒪᓗᑎᒃ 40-ᓄᑦ. ᕿᓚᒥᒃᑯᓗᒃᑕᐅᖅ ᐊᑑᑎᐅ ᐊᖅᑐᑦ ᑐᐱᑦ ᖃᑦᓯᓐᓇᐃᑦ ᑎᑭᐅᑎᓯᒪᔪᑦ 8-ᓄᑦ ᐃᓄᖅᑲᓪᓗᑎᒃ ᐃᓛᖏᓐᓇᒃᑯᑦ ᐱᓕᕆᖅᑲᑦᑕᓗᑎᒃ ᐅᓪᓗᐃᑦ 10.

ᐅᑯᐊ Stornoway Diamond Corp.-ᑯᑦ, ᓇᖕᒥᓂ ᖁᖁᑎᖕᒋᓪᓗ ᐊᐅᓚᓯᓂᐊᖅᑐᑦ ᐊᖏᕈᓐᓇᖅᓯᒪᓕᕐᓂᒃ ᕿᓂᖅᑐᓂᒃ ᐅᔭᕿᕆᐊᒃᓴᓂᒃ ᓄᓇᕗᒻᒥ, ᓄᓇᓯᐊᒥᓗ. ᐃᓕᑦᑕᖅᓯᔪᒍᑦ ᖃᓄᖅ ᐱᓕᕆᔪᑎᒥᓂᐊᖅᑕᕗᑦ ᐱᑐᐃᓐᓇᐅᕐᒥᓪᓗ ᐱᓕᕆᓂᖅ ᕿᓂᑦᓗᑕ ᐋᑑᑎᔾᔪᑦᑕᖅᑲᓪᒪᖔᖅ ᐊᒻᒪᓗ ᐅᔭᕋᓂᐊᕈᑎᒋᑦ ᐋᑑᑎᓗᑎᒃ ᐃᓄᓯᕐᓂᓗᒃᑲᓐᓂᓄᑦ, ᐊᕙᑎᓕᕆᔩᑦᑐ ᐱᓕᕆᒐᓱᐊᕐᓗᑎᒃ ᐅᔭᕿᕆᔪᑎᓇᓐᓚᕙᓂᒃ ᕿᓂᖅᑎᐅᓂᕐᒧᑦ ᓈᒻᒪᐃᓐᓇᖅᓯᐊᕐᕕᐊᕐᓇᖅᑎᑦᑎᓐᓂᑦ ᑕᒪᒃᑯᓄᖓᖓᔪᑦ. ᖁᔭᓐᓇᒦᒃ ᐅᔾᔨᖅᑑᕆᓇᖅᓯᑦᑕ ᐅᑯᓄᖓᖓᔪᑦ ᐱᔾᔪᑎᓕᑦᑐᑦ ᐊᒻᒪᓗ ᓂᕆᐅᓐᓂᖅᑲᖅᑕᕗᑦ ᐃᓕᑦᓯᓐᓂᒃ ᐱᓕᕆᖃᑎᖃᖅᑎᑦᓯᐊᓚᖓᑦᑕ.


Legend
Camp (Aviat main)
Camp (temporary)
Airstrip / Fuel Storage (temporary)
Aviat Property Outline
IOL Subsurface Parcel
IOL Surface Parcel
Community
Drainage
STORNOWAY DIAMOND CORP
2005 Aviat Property
Preliminary Plan
Hall Beach
HB-06
IG-29
IG-17
IG-12
7750000 mN
7700000 mN
7650000 mN
7600000 mN
7550000 mN
7500000 mN
7450000 mN
650000 mE
700000 mE
750000 mE
800000 mE
850000 mE
N
S
E
W
0
20
40
80
kilometres

Spill Response Plan

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.

24-Hour Spill Report Line (867) 920-8130 or fax (867) 920-8127
DIAND Water Resources Inspector (867) 975-4298
Environment Canada (Nunavut) (867) 975-4639

Detailed Response Plan

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

Dean Besserer, APEX Geoscience Ltd.(camp phone-to be determined);

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

APEX Geoscience Ltd.
#200, 9797-45 Ave.

Edmonton, AB
T6E 5V8

On behalf of Stornoway Diamond Corporation
860-625 Howe St., Vancouver, B.C.
V6C-2T6
phone: (604) 331-2259
fax: (604) 668-8366

(c) *Description of the facility*

Facility – 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 1+ 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 activites, with fuel stored in sealed steel drums. Maximum fuel storage will be 4 drums (820L) including Jet-B and diesel, plus 1-100lb propane tank.

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

JET B fuel for the helicopter – 3485 litres (17 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 Stornoway's office 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 include:

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.

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
Environmental Protection Division
Renewable Resources
Government of the NWT
600, 5102-50th Ave.
Yellowknife NWT
X1A 3S8

telephone: (867) 873-7654
facsimile: (867) 873-0221

Updated: May, 2004

Abandonment and Restoration Plan
Revised November 2, 2004

Introduction:

This Abandonment and Restoration Plan is effective from March 1, 2005 to November 30, 2007 and applies to the Aviat Project operated by Stornoway Diamond Corporation in Nunavut (contained within the general latitudes 66° 37' 24" to 69° 52' 76" and general longitudes 81° 11' 12" and 85° 51' 14"). The project consists of ground and airborne geophysical surveys, rock and till sampling, prospecting, mapping and drilling. Activities would ideally be undertaken during March through November.

Abandonment and Restoration Plan:

Upon completion of the Land Use Operation on November 30, 2007 the following steps and procedures will be followed to allow proper abandonment and reclamation of the area. Each drill hole will be restored to previous conditions after completion of the hole (on average less than one week).

1. All fuel drums and drilling equipment will be removed from the site immediately upon completion of the hole.
2. On-ice drill cuttings will be scraped clean and removed to an on land sump located more than 30m from the ordinary high water mark on an on-going basis.
3. All drilling sumps (if used) will be back-filled, burying the cuttings and sludges if appropriate.
4. If the crew members discover waste of any type left behind by others, every effort will be made to remove it from the area and have it disposed of in an acceptable manner.
5. Each drill site will be inspected to ensure that all garbage (combustible and non combustible) has been collected and removed from the area.
6. Gray water sumps and sewage pits at the camp will be back-filled.
7. All remaining garbage will be incinerated in a burn barrel.
8. All wood (tent floors, frames etc.) will be burned. The coals and ash will be raked for non-combustible items (i.e. nails etc) which will be collected and removed from the site. The remaining coals will be buried.
9. All camping materials, fuel drums, and drilling equipment (if applicable) will be removed from the site.

10. A last inspection will ensure that there is no remaining material at the site and that there is little/no evidence for Stornoway's land use activity.

11. Seasonal closures will not affect the area.