

# **EMERGENCY RESPONSE PLAN**

**MUSKOX DIAMOND PROPERTY  
NUNAVUT, CANADA**



**Effective June 2015**

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## 1 Introduction

This Emergency Response Plan (ERP) applies to mineral exploration activities conducted by, or on behalf of, APEX Geoscience Ltd. ("APEX") at the Muskox Diamond Property ("the Property"), Nunavut, Canada.

This ERP will come into effect June 2015, pending approval. Copies and updates to this plan may be obtained via APEX.

APEX is firmly committed to operating with the highest standards to protect the health and safety of all employees, contractors, the public, and the environment. This plan has been prepared as part of an overall emergency preparedness program, and will comply with all applicable regulations and industry standards.

### 1.1 Contact Details

**APEX Geoscience Ltd.**

100 – 9797 45th Ave.

Edmonton, AB T6E 5V8

Tel: (780) 439-5380

Fax: (780) 433-1336

[www.apexgeoscience.com](http://www.apexgeoscience.com)

### 1.2 Purpose and Scope

The purpose of the Muskox Diamond Property Emergency Response Plan (ERP) is to provide guidelines for all personnel that enable them to act appropriately and efficiently in the event of an emergency. Prompt, effective, and organized emergency response will ensure the safety of personnel, minimize effects on the environment, and help maintain a productive level of day to day operations at the Muskox Diamond Property.

The main goals of the plan are:

- To provide education and emergency preparedness training for all employees, contractors, and visitors at the Muskox Diamond Property.
- To enable personnel to respond to an emergency in a logical and coordinated manner in order to minimize injury, loss of property, and to mitigate environmental impacts.
- To maintain operations at a level as close as possible to normal during an emergency situation, and to restore normal operations quickly and efficiently.

The ERP will be available to all employees, contractors, and visitors at the Muskox Diamond Property. It will be posted at strategic areas around camp and at drill sites for reference. Personnel can contact their individual supervisors or the Project Supervisor if they wish to receive individual copies.

### 1.3 Other Plans

The ERP should be considered as a part of the Property wide management system. Other management plans in place at the Muskox Diamond Property include:

- Abandonment and Restoration Plan (ARP)
- Spill Prevention and Response Plan (SPRP)
- Environmental Management Plan (EMP)
- Fuel Management Plan (FMP)
- Waste Management Plan (WMP)

### 1.4 Property and Camp Description

The Muskox Diamond Property is located in the Kitikmeot Region of the Nunavut, within the 1:250,000 scale NTS map sheets, 76E, 76L and 86I. The Property is approximately 250 km southeast of the community of Kugluktuk and is in close proximity to the inactive Jericho and Lupin Mines. The Property consists of three project areas: the James River, Muskox and Contwoyto Prospects (Figure 1 in Appendix 1).

The proposed exploration program will be supported by a mobile, temporary, 10-12 person exploration camp. As the Property is separated into three projects areas, three camp locations have been identified to support exploration at each prospect. Each camp, with fuel cache, will be established and reclaimed sequentially and therefore no more than one camp will be in use at one time. Personnel and cargo will be transported to and from camp in the summer months by fixed wing (Twin Otter) from Yellowknife and due to the close proximity to the Tibbitt to Contwoyto Ice Road can be serviced by ground in the winter. Due to the remoteness of the Property location, the only people, who would be immediately affected by a potential spill, are employees and contractors.

The proposed camp locations were selected due to appropriate terrain composed of a consolidated and durable surface, such as gravel or sand, which is able to withstand repeated, heavy use from aircraft and camp use. Structures for each of the proposed camps may include 6 sleeper tents, medical tent, kitchen, dry, office, shop, core shack, generator housing, incinerator, and 2 outhouses. The majority of the structures will be insulated Weatherhaven tents, or similar, with tarp floors (Figure 2 in Appendix 1).

A fuel cache of approximately 40,000 L (~ 200 drums) will be established on stable ground near the occupied camp, primarily to store diesel and jet fuel. No fuel will be stored at the un-occupied camps. Small quantities of gasoline and propane will also be stored. Small temporary fuel caches, of less than 4,000 L, may also be required to supply the drilling and exploration programs. Within 30 days of any temporary fuel cache, the appropriate agencies will be notified of the details of the cache including: location, fuel type, container sizes, method of storage and date of removal.

The proposed exploration activities for the Muskox Property include geological mapping, till sampling, prospecting, ground geophysical surveys and diamond drilling. The 2015 exploration program is projected to start as early as June, or as soon as proper

authorizations can be obtained, and has the potential to continue through the winter. Similar programs are anticipated for 3 to 4 subsequent years.

For 2015, a drill program of 5,000 to 10,000 m is proposed, utilizing one to two diamond drills. The average hole depth is expected to be approximately 200 m, up to a maximum proposed depth of 700 m. The areas of proposed drilling are currently uncertain as preliminary exploration work, such as ground geophysical surveys, is required to define precise targets. All exploration work will be strictly confined to within the authorized Prospecting Permits (Figure 1 in Appendix 1).

## 2 Pre-emergency Planning

The responsibility for administration of the ERP will rest with the Project Supervisor. The Camp Manager and Project Geologist will support the Supervisor, and work together with the Site Safety Coordinator to ensure the plan is implemented effectively. Updates and modifications will be made as necessary.

### 2.1 Prevention

APEX is committed to a prevention strategy of ongoing maintenance, inventory control, and staff training. The following will be standard practice at the Muskox Diamond Property:

- All equipment and machinery will be inspected and serviced regularly to ensure it is safe and in good working condition. Specific training will be provided for the safe use of each type of equipment and machinery on site.
- All hazardous materials will be stored in a safe and appropriate manner, as required for each individual product as set out in the manufacturer's Material Safety Data Sheets (MSDS) and in accordance with the Muskox Diamond Property "Spill Prevention and Response Plan" and "Fuel Management Plan".
- All hazardous materials will be subject to strict inventory control. Logs will be kept and regular inspections will be performed.
- Daily and weekly safety meetings will focus on improving safety and environmental performance. Personnel will be reminded of possible hazards and consequences, as well as any countermeasures and the resources available during an emergency situation.

### 2.2 Hazard Identification

#### *2.2.1 Toxicological and Physiochemical Properties of Chemicals*

The Material Safety Data Sheets (MSDS) will be posted in binders at all safety stations on site. They can also be found in the "Spill Prevention and Response Plan".

#### *2.2.2 Fire*

All precautions possible will be taken to prevent fires at the site, because the difficulty in effectively fighting fires at this remote location. Locations of fire alarms and evacuations routes (if not obvious, e.g. only one door) will be posted in all work areas; fire

extinguishers will be clearly marked in an approved manner. The potential for a fire at the Muskox Diamond Property are identified in Table 2.1.

Table 2.1: Possible fire locations at the Muskox Diamond Property

Location	Precautions
Camp Tents	Fire extinguishers
Generator House	Chemical fire extinguishers
Fuel Cache	Fire extinguishers
Drills	Fire extinguishers

### *2.2.3 Medical Emergency*

Medical emergencies can occur at any time and could be due to accidents or ill health.

Medical evacuations will be accomplished by means of fixed or rotary wing medevac to Yellowknife. First Aid Attendants at the site will be able to provide first aid and to treat more minor injuries. A satellite phone system will be installed at the Muskox Diamond Property in order to provide reliable telephone communications in the event of a medical emergency requiring consultation with outside medical help and/or requesting a plane for medevac.

See Appendix 1 for a list of emergency contacts for outside resources available for assistance with medical emergencies.

### *2.2.4 Extreme Weather*

Weather extremes can include, but are not limited to heavy snowfall to blizzard conditions in winter, heavy rain causing flooding in summer and fog. Supervisory personnel will be appropriately experienced in order to be able to judge when conditions deteriorate to the extent that work should cease and crews return to camp. Radio and/or satellite phone contact will be available throughout the Property and thus senior supervisory personnel can be advised at any time of deteriorating weather situations and the status of crews working outside.

## Appendix 1: Muskox Diamond Property Emergency Response Plan

## **MUSKOX DIAMOND PROPERTY EMERGENCY RESPONSE PLAN**

In The Event of an **Emergency** and/or When Instructed by the Project Supervisor or First Aid Attendant to ...

### **Call the Nursing Station...**

#### **Primary**

**Stanton Territorial Hospital  
– Yellowknife**

**1-867-669-4111**

#### **1<sup>st</sup> Alternate**

**Health Center – Kugluktuk  
(Head Nurse – TBA)**

**1-867-982-4531**

#### **2<sup>nd</sup> Alternate**

**Health Center – Cambridge Bay  
(Head Nurse – TBA)**

**1-867-983-4500**

#### **3<sup>rd</sup> Alternate**

**Kativik Health Center  
– Gjoa Haven  
(Head Nurse – TBA)**

**1-867-360-7441**



## **Be Prepared to Provide to the Nurse ...**

### **1. Your Name and Location: Muskox Diamond Property**

Contwoyto Camp	James River Camp	Muskox Camp
-110°59'36" W, 65°48'20"N	-111°13'23" W, 66°49'17"N	-111°26'42" W, 66°2'17"N
500300E/ 7298250N Nad83z12	460200E/7411500N Nad83z12	479825E/7324226N Nad83z12
Phone: TBA	Phone: TBA	Phone: TBA

### **2. Patient Location (if not in camp):**

### **3. Number of Injured Persons:**

### **4. Patient Information (for each injured person):**

- a) **Condition:** Conscious / Unconscious  
Nature of Injury
- b) **Age of Patient:**
- c) **History:** What happened?  
When did it happen?
- d) **Any other relevant information that you know**  
Medical History (ie. is diabetic, etc)

**Obtain instruction from Nurse **OR** First Aid Attendant as to the need for a Medi-vac**

**If Medi-vac required, contact Medi-vac company and obtain information as to expected time of arrival (ETA) in camp and**

**...**

## **24 Hour Medi-vac Service**

**Adlair Aviation, Cambridge Bay**      **1-867-983-2569**  
(Contact: Dispatch)

**OR**

**Adlair Aviation, Yellowknife**      **1-867-873-5161**  
(Contact: Dispatch)

**REPORT BACK TO FIRST AID ATTENDANT**

## Other Important Telephone Numbers

### Field Numbers

Camp – Logistics Line	TBA
Camp – Fax Line	TBA
ABH #1 Iridium	TBA
ABH #2 Iridium	TBA
Heli Iridium Number	TBA

### RCMP

RCMP – Kugluktuk	(Emergency)	1-867-982-1111
	(Non-Emergency)	1-867-982-0123
RCMP – Cambridge Bay	(Emergency)	1-867-983-1111
	(Non-Emergency)	1-867-983-0123
RCMP – Gjoa Haven	(Emergency)	1-867-360-1111
	(Non-Emergency)	1-867-360-0123
RCMP – Yellowknife	(Non-Emergency)	1-867-669-5200

### APEX Geoscience Ltd.

Project Supervisor, Rob L'Heureux	Office	1-780-439-5380
	Cell	1-780-916-5482
President, Michael Dufresne	Office	1-780-439-5380
	Cell	1-780-916-5781

### Expeditors

Discovery Mining Services – Yellowknife		1-867-920-4600
Kevin Vickers (Ops manager)	Cell	1-867-445-7089

### Helicopters

Range Helicopters (Draton Valley)	1-780-542-8222
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### Chartered Flights

To be determined

### WSCC

Yellowknife Switchboard	1-867-920-3888
Toll Free	1-800-661-0792
Fax	1-867-873-4596
<b>Toll Free Fax</b>	<b>1-866-277-3677</b>
Chief Mine Inspector	1-867-669-4408

<b>WSCC Inspector Martin Van Rooy</b>	<b>1-867-979-8527</b>
<b>WSCC Inspector Peter Bengts</b>	<b>1-867-920-4412</b>
<b>24 Hour Hotline For Serious Accidents</b>	<b>1-800-661-0792</b>

<b>Emergency Spill Report</b>	<b>1-867-920-8130</b>
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<b>Public Health Office – YK</b>	<b>1-867-920-8646</b>
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<b>Poison Control Center</b>	<b>1-800-332-1414</b>
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