

ALLYN RESOURCES INC.
SPILL CONTINGENCY PLAN

**ALLYN RESOURCES INC.
BOOTH RIVER PROJECT – NUNAVUT
SPILL CONTINGENCY PLAN**

Section A: Background

Dates of Operation: May to September, 2005

Project Description:

Allyn Resources Inc is planning a base metal exploration program on their Booth River Project.

The mineral claims within this project cover portions of NTS map sheets 76 K / 5, 6, 11, 12, 13 and 14.

The planned exploration program will include regional and detailed geological mapping and prospecting, airborne and ground based geophysical surveys and a diamond drilling program. All field activities will be helicopter supported.

Materials and supplies for this program will be transported to the project area by fixed wing aircraft.

Site Description

Allyn Resources Inc. will be conducting the exploration program from a temporary exploration camp located within the project area. The proposed camp location (UTM N 7355500, UTM E 575500, NAD 27) is adjacent to a lake large enough to accommodate Twin Otter aircraft.

Types of Fuels and Lubricants

Jet A, diesel fuel and engine lubricants will be used during the program. The Jet A fuel will be used to re-fuel rotary and fixed wing aircraft. Diesel fuel will be used to fuel the camp generator, incinerator, diamond drill equipment and oil stoves within the camp.

Both Jet B and diesel fuel are stored in 205 l steel drums. Engine lubricants are kept in 1.0 liter and 20.0 liter containers supplied by the manufacturers.

Fuel and Lubricant Storage

All drummed fuel will be stored a minimum 100 m from the ordinary high water mark of any lake or stream. Engine lubricants are stored in a storage tent.

Fuel Quantities

All fuels are stored in 205 l metal drums. Fuel quantities stored at site will vary over the course of the program but would approximate the following.

Jet A Fuel – 70 drums – 14,350 l

Diesel Fuel – 50 drums – 10,250 l.

Unleaded Gas – 2 drums – 205 l

Engine Oils – 10 – 22 l plastic containers.

Section B: POTENTIAL SPILL INCIDENTS

Orientation and Training

All field personnel, upon arriving at the camp will be given a project orientation. This will include:

- notification of the location of all fuels and applicable MSDS sheets.
- notification of the location, and use of fuel spill kits and supplies
- notification of the location of ancillary equipment – shovels, pails, plastic bags, etc.
- instruction in the use of all equipment and supplies.
- Instruction in the reporting of incidents.
- Instruction in the clean-up and proper storage / disposal of contaminated materials.

LEAKAGE FROM STORED DRUMS

All drums are stored at a central fuel cache prior to their use.

Drum Storage – Incident

Fuel may leak from improperly sealed drums or damaged drums.

Consequences

A fuel spill could occur. This would be a maximum of 205 l.

Preventive Measures

The fuel cache is inspected daily by trained personnel.

All personnel are instructed to routinely monitor fuel drums and report any problems.

Fuel from any suspect drum is immediately pumped to a spare, empty drum.

A fuel spill kit is kept at the fuel cache.

REFUELING OF AIRCRAFT

Electric fuel pumps are used to refuel the helicopter. Gas or electric fuel pumps are used to refuel the fixed wing aircraft.

Refueling Procedure

Aircrews complete all refueling of their equipment. They are trained in the proper procedures of this operation, and are made aware of the location of fuel spill kit and extra sorbent pads.

Aircraft Refueling Equipment – Incident

During refueling a hose could break, spring a leak, fall out of the receptacle, or an overfilling of the tank could occur. These failures could result in fuel being spilled at the refueling site.

Consequences

Limited fuel spills could occur, possibly resulting in puddles of fuel.

Preventive Measures

Refueling equipment is routinely examined for integrity by aircrew.

Refueling will be completed only by trained personnel who are aware of emergency shut-off procedures.

Aircrew will constantly monitor refueling process.

Helicopters will be refueled at the fuel cache. This cache is located in excess of 100 m from the ordinary high water mark of any lake or stream.

A spill kit, with additional sorbent pads is stored at the fuel cache.

Refueling of fixed wing aircraft will be constantly monitored by the aircrew. Spill management material will be readily available to the aircrew.

REFUELING OF DIAMOND DRILL EQUIPMENT

Hand pumps (wobble) pumps are used to transfer diesel fuel from 205 l drums to supply tanks.

Diamond Drill Equipment Refueling - Incident

During refueling a hose could break, spring a leak, fall out of the receptacle, or an overfilling of the tank could occur. These failures could result in fuel being spilled at the drill site.

Consequences

Limited fuel spills could occur, possibly resulting in puddles of fuel.

Preventive Measures

Refueling equipment should be routinely examined for integrity.

Refueling will be completed only by trained personnel who are aware of emergency shut-off procedures.

Drill crew will constantly monitor refueling process.

A spill kit, with additional sorbent pads is stored at the drill site.

Sorbent pads are kept under all open drums, or drums in use at a drill site.

REFUELING OF CAMP GENERATOR, CAMP STOVES, INCINERATOR

Hand (wobble) pumps are used to transfer diesel fuel from 205 l drums to fuel tanks, or drums connected to diesel fired heating stoves.

Camp Equipment Refueling - Incident

During refueling a hose could break, spring a leak, fall out of the receptacle, or an overfilling of the tank could occur. These failures could result in minor amounts of fuel being spilled.

Consequences

Limited fuel spills could occur, possibly resulting in puddles of fuel.

Preventive Measures

Refueling equipment should be routinely examined for integrity.

Refueling will be completed only by trained personnel who are aware of emergency shut-off procedures.

Camp attendant will constantly monitor refueling process.

Sorbent pads are kept under all open drums, or drums in use. Taps for supply lines to diesel fired heating stoves are wrapped with a sorbent pad.

Sorbent pads are kept beneath the generator.

Section C: LIST OF ON-SITE SPILL CONTAINMENT EQUIPMENT

Spill Kits

A minimum of two spill kits will be maintained, one at the fuel cache the second at the diamond drill site. These drums will contain sphagnum adsorbents, sorbent pads, gloves and containers for the disposal of contaminated material.

Sorbent Pads

Sorbent pads or rolls will be kept in good supply. These will be stored where fuels are being used.

Hand Tools

These will be stored for the removal of contaminated material, or the construction of containment

Plastic Pails and Bags

A sufficient quantity of 20 l plastic pails and 20 l plastic sample bags will be stored for the disposal of contaminated material.

Section D: SPILL REPORTING PROCEDURE

Contact Telephone Numbers

NWT Spills Hotline	867- 920 – 8130
Allyn Resources Inc.	
Doug Bryan – V.P. Exploration	867 – 444 – 6842
Booth River On-site Supervisor	604 – 988 – 8058
Nunavut Impact Review Board	867 – 983 - 2593
Kitikmeot Inuit Association	867 – 982 - 4010
INAC Resource Management – Kitikmeot	867 – 982 – 4306
Department of Fisheries and Oceans	867 – 669 - 4900
Nunavut Water Board	867 – 793 - 2140

Section E: SPILL RESPONSE PROCEDURES

In the event of a spill the following procedures will be followed. Steps to be followed are listed in their order of importance however depending upon circumstances, conditions and possible injuries, the sequence may be altered to meet specific needs.

1.0 Identify the Product Spilled

If the identity of the contaminant is unclear, and if identification means further risks, then action must be taken based on the assumption the contaminant is extremely dangerous. Personnel are not to smell, taste, touch or attempt to reach ruptured containers if they are surrounded by the contaminant.

2.0 Assess the Dangers and Hazards

An immediate assessment of the affected site must be completed. Immediate determinations must be made about the direction of the spill's progress, whether downhill, towards the water, or already in the water. As well, careful attention will be paid to the full nature of the incident; is this solely a surface contaminant, or are fumes an additional factor; are there any injuries current or possible.

3.0 Stop the Flow at Source

Has the flow been stopped or is it still leaking? Is there an emergency shut-off valve? Have holes in the container been patched? Is the container empty?

Can the contents of the container be safely pumped to another container?

PRECAUTION: ONLY ATTEMPT TO STOP THE FLOW IF IT IS SAFE TO DO SO.

4.0 Take Actions To Contain the Spill

Prompt containment can reduce environmental exposure and risk. Containment measures may be land or water based. Land based measures range from standing a leaking drum upright to pumping the contents from a leaking drum to a new drum to the application of sorbent materials and the construction of berms and diversion / collection trenches.

Water based measures could include the implementation of floating booms, or the construction of dams or dykes.

5.0 Report Action To the NWT Spills Hotline

When calling the **NWT Spills Hotline (867 – 920 – 8130)** the person reporting the spill should provide as much of the following information as possible. Please be aware the operators at the Hotline are not spill management experts, their duty is to relay information to the appropriate authorities and protection agencies. Reportable information includes, but is not limited, to the following information.

- Date and time of spill
- Direction spill is moving (or if it has stopped)
- Name and telephone number of persons at the spill location
- Type of contaminant spilled and the volume spilled
- Cause of spill
- Whether the spill is continuing or has stopped
- Description of the existing containment

- Actions taken to recover, clean-up and dispose of spilled contaminant
- Name, address, phone number of the person reporting the spill
- Name of person in charge of management or control at the time of the spill.

Section F: REPORTING PROCEDURE CHAIN OF EVENTS

1.0 Personnel Notice Spill

- Is the source of the spill still flowing?
- Can the source be safely turned off? If yes, then do so.
- Can the leak be stopped by standing a leaking drum upright? If yes, then do so.

2.0 Notification of On-site Supervisor

- The on-site supervisor will be notified in the case of any contaminant spill.
- If a fuel spill may be quickly and easily stopped, or contained, the employee should do so prior to notifying the Project Supervisor.
- Upon notification the supervisor will implement immediate actions to; stop the source of the spill, contain the spill, or initiate the clean-up of the spill.

3.0 Notification of Agencies and Affected Communities

- The supervisor will notify the NWT Spills Hotline (867 – 920 – 8130) and file a report.

The NWT Spills Hotline will then notify:

R W E D
Environment Canada
Department of Fisheries and Oceans

- The supervisor will notify the affected community or communities.

December 2004



NWT SPILL REPORT

(Oil, Gas, Hazardous Chemicals or other Materials)

24 - Hour Report Line
Phone: (867) 920-8130
Fax: (867) 873-6924

A Report Date and Time	B Date and Time of spill (if known)	C <input type="checkbox"/> Original Report <input type="checkbox"/> Update no	Spill Number
D Location and map coordinates (if known) and direction (if moving)			
E Party responsible for spill			
F Product(s) spilled and estimated quantities (provide metric volumes/weights if possible)			
G Cause of spill			
H Is spill terminated? <input type="checkbox"/> yes <input type="checkbox"/> no	I If spill is continuing, give estimated rate	J Is further spillage possible? <input type="checkbox"/> yes <input type="checkbox"/> no	K Extent of contaminated area (in square meters if possible)
L Factors affecting spill or recovery (weather conditions, terrain, snow cover, etc.)		M Containment (natural depression, dikes, etc.)	
N Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials			

O Do you require assistance? <input type="checkbox"/> no <input type="checkbox"/> yes, describe:	P Possible hazards to person, property or environment, eg. fire, drink water, fish or wildlife
Q Comments or recommendations	

FOR SPILL LINE USE ONLY	
Lead agency	
Spill significance	
Lead Agency contact and time	
Is this file now closed? <input type="checkbox"/> yes <input type="checkbox"/> no	
Telephone	

Reported by	Position, Employer, Location
Reported to	Position, Employer, Location

Telephone
