



LAND USE PERMIT APPLICATION

ATTACHMENT "F"

Spill Response Plan for Contaminants

BRONCO PROJECT - 2007

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INTRODUCTION

Fuel use/handling activities will be undertaken on the Bronco Project in the Willowhandle Lake / Twitya River area on NTS map sheet 106A04 and 105O016NW. These activities involve the use of equipment that consume petroleum products, including refuelling and storage of other hydrocarbons.

This Spill Response Plan is a guide for the Eagle Plains employees, contractors and subcontractors as to the planned course of action in the event of a spill or leakage of petroleum products during the course of the operation. Safety procedures for personnel and for proper equipment usage during such operations are discussed within this plan.

This plan outlines procedures to be followed in the event of a petroleum product spill. A table of contact phone numbers is provided below in Table 1.

Table 1. Spill Related Resources and Contact Numbers

Resource	Contact Number
NWT Spill Line	Phone: (867) 920-8130 Fax: (867) 873-6924
Nearest Town: Norman Wells Tulit'a	(867) 587-3700 (867) 588-4471
Tulita Health Centre	(867) 588-4251
Tulita R.C.M.P.	(867) 588-1111
Tulita District Land Corp	(867) 588-4984
Tulita Renewable Resources Council	(867) 588-4724
Local Nursing Station – Norman Wells	(867) 587-2250
DIAND – Norman Wells	(867) 587-2911
Environment & Natural Resources Norman Wells	(867) 587-3500
Local Fire Department – Norman Wells	(867) 587-2222
Forest fire Reporting	1-800-661-0800
Sahtu Land and Water Board	(867) 598-2413
Local Police – Norman Wells	(867) 587-1111
Hospital – Yellowknife	(867) 669-4111
Fire Department – Yellowknife	(867) 669-2222
Police – Yellowknife	(867) 669-1111
Eagle Plains– Cranbrook Office	(250) 426-0749
Chuck Downie (cell)	(250) 420 7181

CONTAMINANT SPILLS

A, “**spill**” is defined as a discharge of a contaminant. For the Bronco Project land use operation, Eagle Plains Resources Ltd. has developed the following contingency plan to deal with a spill of a petroleum product or lubricant, sewage or drill water.

The severity of a flammable liquid spill may be determined according to the following rating:

- Non-Reportable – Less than 100 litres*
- Minor – More than 100 litres and Less than 400 litres
- Major – More than 400 and Less than 1,000 litres
- Emergency - More than 1,000 litres

*If a flammable liquid spill is less than 100 litres and has not entered a watercourse, the Owner and/or operator do not have to report the spill.

Hazardous Material Information for gasoline and diesel fuel is included in **Appendix A**. A **table of reportable spills** for various substances is included in **Appendix B**.

REPORTING PROCEDURES

A **Spill Reporting Form** is included in **Appendix C**. The following two levels of reporting is required by any individual who locates a spill or leak:

Report to a Supervisor: The individual must report the spill or leak to his/her direct supervisor.

and,

Report to the Owner: The individual and/or supervisor must report the spill or leak to the Owner of the petroleum product. The Owner shall immediately be given details of any leak or spill. It is the Owner's responsibility to ensure protection of human health and safety, provide directions to stop or contain spills, and report the spill (if necessary, see severity rating and notes above) to **Affected Agencies** prior to investigating the spill themselves.

Affected Agencies: Affected Agencies shall all be contacted through the 24-hour emergency NWT Spill Response Line at **(867) 920-8130**.

The following information shall be conveyed to the affected agencies through the 24-hour emergency NWT Spill Response Line. This information should be documented on the "Spill Reporting Form" provided in Appendix C.

- Date and Time of the Spill
- Location of the Spill
- Direction spill is moving
- Name and phone number of a contact person close to the location of spill
- Type of contaminant spilled and quantity spilled
- Cause of spill
- Whether spill is continuing or has stopped
- Description of existing containment
- Action taken to contain, recover, clean up and dispose of spilled contaminant
- Name, address and phone number of person reporting spill
- Name of owner or person in charge, management or control of contaminants at time of spill

The response by Affected Agencies will depend upon the location of the spill and will vary according to circumstances. For the purpose of this Plan, it is recommended that only one call be made to government or other agencies using the 24 hr spill line.

The Canadian Transport Emergency Centre (CANUTEC), a branch of Transport Canada, can also be contacted for 24 hr technical advice on Dangerous Goods, as needed. The CANUTEC help line for dangerous goods is **0 (613) 996-6666 (collect)**.

Emergency Spill Response Procedure

The first person on the scene is to do the following:

Ensure personal and worker safety, if you cannot identify the spilled substance consider it dangerous.

If Personnel Are Injured

- Call for medical help, attend to injured person, and administer first aid if safe to do so.
- Warn / remove bystanders

If Safe (do not enter confined spaces or expose self to fire hazard)

- Stop all sources of ignition and stop or reduce the source flow of the spill
- Shut off all valves
- Shut off all electrical power
- Initiate containment: put down sorbent pads and berm spill area, if possible
- Recover product and contaminated soil / other materials
- Remain at the site and assist with response as needed when help arrives.

If Unsafe

- Initiate evacuation (upgrade or upwind), move to safe area
- Notify Owner
- Report the following: location, initial spill site, possible cause, description of present condition, affecting or about to enter water.
- Isolate area and deny entry until qualified response personnel arrive
- Deny access to all unauthorized personnel
- Update Owner on spill status

Response for Gasoline Spills – in water

If it is safe to do so:

1. Stop or reduce discharge, if safe to do so, by plugging, uprighting, adjusting valves, or other suitable method.
2. If possible, contain discharge by booming using commercial boom material, logs, constructing weirs, or other material at hand.
3. If in rapidly flowing water, direct to quieter backwater using booms to deflect material.
4. Ensure that you have reported the spill.
5. Remove from water by skimming, using absorbents, and collect in suitable container (tanks, drums, plastic lined depression in ground or snow). **See Appendix D for a listing of typical spill response tools/equipment.**

NOTE: IN THE EVENT THE MATERIAL IS SPILLED DURING VERY WARM WEATHER AND THERE IS DANGER OF FIRE DUE TO FUMES, DO NOT ATTEMPT TO CONTAIN THE PRODUCT, ALLOW THE PRODUCT TO DISPERSE AND EVAPORATE.

6. Dispose of absorbents by recycling or incineration if conditions are suitable and after consultation with environmental authorities and/or forestry officials contacted through the Emergency Spill Response Line.

Response for Gasoline Spills - on land

If it is safe to do so:

1. Stop, or reduce discharge, if safe to do so, by plugging, uprighting, adjusting valves or other suitable method.
2. Contain spill by diking with earth, snow and ice or other barrier, possible trenching, construction of weirs, or creating a lined sump down gradient from the spill source.
3. Ensure that you have reported the spill.
4. Remove fuel from containment area with pumps, vacuum equipment and place in appropriate containers. Ensure the equipment is intrinsically safe (does not have a source of ignition/spark).
5. Absorb residual liquid on natural or synthetic absorbents (e.g. 3M products, Enviromat).
6. Remove contaminated soils in the spill site to an appropriate disposal site if spill located near water supply or stream/river course or for aesthetic reasons.
7. Dispose of contaminated fuel by recycling or incineration. In situ, incineration may be possible if permission granted from environmental and forestry officials contacted through the Emergency Spill Response Line.

Response for Diesel Spills – in water

If it is safe to do so:

1. Stop, or reduce discharge, if safe to do so, by plugging, uprighting, adjusting valves, or other suitable method.
2. If possible, contain discharge by booming using commercial boom material, logs, construction of weirs, or other material at hand.
3. If in rapidly flowing water, direct to quieter backwater using booms to deflect material.
4. Ensure that you have reported the spill.
5. Remove from water by skimming, using absorbents, and collect in suitable container (tanks, drums, plastic lined depression in ground or snow).

6. Dispose by recycling or incineration, if conditions are suitable and regulatory authorities grant permission.

Response for Diesel Spills – on land

If it is safe to do so:

1. Stop or reduce discharge, if safe to do so, by plugging, uprighting, adjusting valves or other suitable method.
2. Contain spill by diking with earth, snow or ice or other barrier, possible trenching, construction of weirs or creating a lined sump down gradient from the spill source.
3. Ensure that you have reported the spill.
4. Remove fuel from containment area with pumps, vacuum equipment and place in appropriate containers.
5. Absorb residual liquid on natural or synthetic absorbents (e.g. 3M products).
6. Remove contaminated soils in the spill to an appropriate disposal site if spill site is located near water supply or stream/river course or for aesthetic reasons.
7. Dispose of contaminated fuel by recycling or incineration. In site, incineration may be possible if permission granted from environmental and forestry officials.

SPILL RESPONSE PLAN FOR CONTAMINANTS

APPENDIX A

HAZARDOUS MATERIAL INFORMATION FLAMMABLE LIQUIDS AND DRILLING FLUID ADDITIVES
