KINROSS GOLD CORPORATION

GOOSE LAKE PROJECT

SPILL CONTINGENCY PLAN

APPROVED
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Updated June 2002

Kinross Gold Corporation
Goose Lake Project

Contingency Spill Plan

1) INTRODUCTION

This contingency plan has been compiled to assist site personnel to respond in an appropriate and expeditious manner to an accidental spill at the Goose and George Lake exploration projects, as well as other associated projects in the general area. These include the Bathurst Inlet, Needle Lake, Boot Lake, Boulder and Winter Road projects The plan follows the Northwest Territories Water Board "Guidelines for Contingency Planning" (1987) suggested format, and will be updated to be consistent with a Nunavut Territory Water Board Contingency Planning document, should it become available. This current plan has been updated to reflect comments and suggestions provided by Alexandra Thomson, Technical Consultant, for the Nunavut Water Board in a letter dated May 29, 2002. The plan is divided into eight (8) sections:

1) Introduction – Purpose and background of plan.
2) Response Organization - lists the duties of personnel responsible for responding to spills.
3) Spill Containment, Control and Clean-up Materials and Equipment
4) Spill Kit Contents
5) Initial Action - lists steps to be taken immediately if a spill occurs
6) Reporting Procedure- details how to report a spill
7) Environmental Mapping- identifies the areas where fuel and other materials requiring management will be stored
8) Hazardous Wastes and Materials

Presently the only combustible materials stored on site consist of propane, acetylene, gasoline, jet B fuel and diesel fuel. Propane and acetylene are supplied in 100 lb. cylinders and one 500 lb tank. All other fuels are contained in 45 gallon (202 litre) barrels. The propane and fuel will be transported from Yellowknife via Twin Otter, Hercules DC3 or similar aircraft to the ice strip at Goose or George Lakes, or the gravel strip at George Lake. Fuel barrels and propane tanks will be transferred by hand or by mechanical equipment from the aircraft to the designated storage areas at the camps.

During the exploration program, fuel drums and propane tanks may be transport around the site using a helicopter long-line, a front-end loader, a Bombardier, a skimmer towed by a snow machine and trailer, or manually. Sufficient fuel for up to 48 hours of operation will be available at each drill rig. There will also be sufficient fuel supplies adjacent to each building structure for day-to-day camp operations. There will be a limited amount of fuel at the Goose Lake airstrip for occasional use by fixed wing planes. Helicopter refueling will be done directly from barrels located at the storage area on the helicopter pad.

A supply of spill absorbent is readily available at the site. Absorbents consist of sawdust, peat moss and synthetic materials specifically designed for spill containment, control and clean-up. Empty barrels and a pump will be available at the fuel storage area to be used for the transfer of fuel from any leaking container should this occur.

It is the policy of Kinross Gold Corporation to comply fully with existing regulations to provide such protection to the environment as is technically feasible and economically practical.

2) RESPONSE ORGANIZATION - The Project Manager is ultimately responsible for all activities including spill response at the Kinross Exploration Projects in the area of the Goose and George Lake camps, as referenced above. The Project Manager, or his designee, is the designated on-site Spill Response Coordinator. Crews handling fuel and propane are instructed and trained in the proper and safe handling of these materials and in fire and explosion prevention, and will constitute the initial response team should a spill of fuel occur, or a propane tank leak. Propane and acetylene are gases at normal air temperatures and pressures and will not be treated further in this plan.

Camp and operations crews based at the Kinross projects will conduct practice drills, organized and supervised by the Project Manager/Spill Response Coordinator, for containment, control and clean-up.

All spills, regardless of their significance, will be handled appropriately by trained personnel as per this Plan, and will be reported to the 24-hrs Spill Line.

Included in this plan include system failure responses and preventative measures for domestic sewage, solid waste, fuel and chemicals. Employee safety is provided through appropriate training and provision of Personal Protective Equipment (PPE). In addition, MSDS sheets of materials stored and utilized on site are maintained at the Goose and George Lake camps, and are accessible to employees at all times. Use of the PPE and referral to MSDS sheets to determine potential effects and appropriate measure to take during a spill or exposure to a material, are addressed in training as part of the initial steps taken in the event of a spill.

3) SPILL CONTAINMENT, CONTROL AND CLEAN-UP MATERIALS AND EQUIPMENT – The following list of items will be maintained at both the Goose and George Lake Camps.

Location	Equipment and Materials
Goose Lake Camp	At least two (2) spill kits. One to be located near the fuel storage area, and one near the kitchen/mess hall area.
George Lake Camp	At least two (2) spill kits. One to be located near the fuel storage area, and one near the kitchen/mess hall area.
Drilling Sites	One spill kit
Associated Project Areas	One spill kit if work is ongoing involving stored fuels or materials that may spill.

4) **SPILL KIT CONTENTS** – Each Spill Kit will contain at least the following components and materials.

- Absorbent mats, booms and other materials that have the ability to contain, absorb and clean-up spills of petroleum or other chemical products.
- Two (2) pairs of petroleum product resistant gloves (PPE).
- Protective eyewear to protect against splashing and spillage of materials and fluids (PPE).
- A spark-proof shovel.
- Disposable polyethylene bags.

5) **INITIAL ACTION** - The initial action required depends on where the spill or leak is located.

- ***Spill from a barrel within the designated fuel storage areas:***

  - Upon determining that there is spillage or leakage, employ appropriate PPE.
  - If a barrel is leaking, transfer the fuel into a non-leaking empty drum in the fuel storage area by means of a pump.
  - Spread absorbent material on the spilled area to soak up any pooled spilled fluid. When the absorbent material is saturated, or the spill material is soaked into the absorbent material as much as it will be, then collect the absorbent material and place into a suitable, non-leaking container.
  - Transport the container with the absorbent material with the collected material to the incinerator, or to the fuel storage area for storage until the incinerator is next operated.
  - Any soil or earth affected by the spilled material should also be dug out and incinerated to burn off any volatile materials. Soil or earthen materials that have been incinerated such that all volatiles have been combusted shall be placed back on the fuel storage area and spread out to form part of the fuel storage pad.
  - If the leak or spill was significant, report the spill to the Project Manager and complete a Spill Report Form. The Project Manager will report the spill, and actions taken to address it, to the Nunavut Water Board (NWB) and the Kugluktuk Angoniatit Association (KIA) at the number listed under, "Reporting Procedure".
  - Mark the defective barrel and return to supplier once emptied of fuel or other material, or use to contain non-liquid, non-hazardous material.

- ***Spill or leak from a barrel outside of the designated fuel storage areas:***

  - Upon determining that there is spillage or leakage, employ appropriate PPE.
  - If a barrel is leaking, make every effort to orient the barrel so as to stop the leakage. For instance, if a bung is leaking tip the barrel upright. If a seam is leaking, orient the barrel so that the seam is upright and above the fuel level.
  - If practical, transfer fuel or other material into another, non-leaking barrel or container using a pump.

- If practical, move the barrel to an area of secondary containment or where any leaking material will not flow to a watercourse.
- Spread absorbent material on the spilled area to soak up any pooled spilled fluid. When the absorbent material is saturated, or the spill material is soaked into the absorbent material as much as it will be, then collect the absorbent material and place into a suitable, non-leaking container.
- Transport the container with the absorbent material with the collected material to the incinerator, or to the fuel storage area for storage until the incinerator is next operated.
- Any soil or earth affected by the spilled material should also be dug out and incinerated to burn off any volatile materials. Soil or earthen materials that have been incinerated such that all volatiles have been combusted shall be placed back on the fuel storage area and spread out to form part of the fuel storage pad.
- If the leak or spill was significant, report the spill to the Project Manager and complete a Spill Report Form. The Project Manager will report the spill, and actions taken to address it, to the Nunavut Water Board (NWB) and the Kitikmeot Inuit Association (KIA) at the number listed under, "Reporting Procedure".
- Mark the defective barrel and return to supplier once emptied of fuel or other material, or use to contain non-liquid, non-hazardous material.

6.) **REPORTING PROCEDURES** – All spills must be reported to the Project Manager, who will then report the spill to the 24-hour Spill Line and to the DIAND Inspector in Iqaluit, and to the Kinross Gold Corporate Office in Salt Lake City, John Bokich, Manager, Environmental Compliance.

All spills must be reported as follows:

Agency or Person to Contact	Contact Phone Number
NWT 24-hour Spill Report Line	867-920-8130
DIAND Inspector	867-975-4298
Kitikmeot Inuit Association	867-982-3310
John Bokich, Kinross Gold Manager Environmenta Compliance	801-290-1112 cell – 801-557-8200

1) Complete a Spill Report Form.
2) Forward a copy of the Spill Report Form to:

Government of the Northwest Territories
Pollution Control Division
Yellowknife, Northwest Territories X1A 2L9
CANADA

Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
CANADA

Kitikmeot Inuit Association
PO Box 360
Kugluktuk, Nunavut X0B 0E0
CANADA

John Bokich, Manager, Environmental Compliance
Kinross Gold Corporation
802 E. Winchester, Suite 100
Murray, Utah 84107
USA
Email: jbokich@kinross.com

3) Additional information or assistance may be obtained from John Bokich or:
Environment Canada, Yellowknife: (867) 873-3456

7.) **ENVIRONMENTAL MAP** - Figure 1 in the Remote Camp Supplementary Questionnaire shows the location of the existing as well as the proposed fuel storage area, the incinerator and the camp in respect to Goose and George Lake camps. All fuels will be stored within this area, at a distance of more than 100 metres from Goose and George Lake.

There are no parks, game preserves, known resource harvesting areas, or fish spawning areas or other environmentally sensitive areas within the immediate area of the designated fuel storage areas. All water courses, lakes or other bodies of water are considered sensitive areas, and extreme care should be taken to prevent spillage to these areas. Should spillage occur, these areas have priority for containment, control and clean-up.

8.) **HAZARDOUS WASTE MANAGEMENT** – Hazardous Wastes and Materials will be stored in the containers that they are purchased and/or transported in to site. Any hazardous wastes will be stored in a designated area of each camp or project area, in sealed containers within secondary containment. These wastes will be transported back to Yellowknife, or other designated location, for appropriate management and disposal at a licensed facility.