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SPILL PREVENTION AND RESPONSE PLAN

Turner Lake Project

NBW Licence No. 2BE-TRN0813

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1.1 INTRODUCTION

The Bama Gold Corp. (Bama) Spill Prevention and Response Plan (SPRP) was in affect during Bama's 2008 diamond drilling program.

This Spill Response Plan will be posted at the core and drill shacks as well as at Bathurst Inlet Lodge where all crews were stayed.

Bama endeavored to take every reasonable precaution toward ensuring the protection and conservation of the natural environment, the safety and health of Prosperity employees, contractors and the community at large, from any harmful effects of its materials and operations.

1.2 PURPOSE

The purpose of the SPRP is to mitigate the risk of environmental contamination from the accidental release of deleterious materials by providing clear procedures for their storage and handling as well as clear plans of action in the case of such a release.

The Spill Prevention and Response Plan will:

- promote the safe and careful use of potentially hazardous materials;
- promote the safe and effective recovery of spilled potentially hazardous materials;
- minimize the environmental impacts of spills in water or land;
- provide site---specific information on the facilities and contingencies in place;
- identify roles, responsibilities, and reporting procedures for spill events;
- provide readily accessible emergency information to cleanup crews, management and government agencies, and;
 - comply with federal and territorial regulations and guidelines pertaining to the preparation of contingency plans and notification requirements in the event of an emergency or spill.

1.3 ENVIRONMENTAL POLICY

The present SPRP has been prepared in accordance with the commitments made in Bama's environmental policy, which is:

- To assess the potential environmental impacts of any new undertaking with an objective to minimize adverse impacts;
- Design and operate facilities to ensure that effective controls are in place to minimize risks to health, safety and the environment;
- Implement an emergency response plan to minimize the impacts of unforeseen events;
- Provide a professional environmental for staff to plan and direct environmental compliance programs and to assist in training and education activities;
- Provide training and resources to develop environmentally responsible employees;
- Ensure that environmental factors are included in the purchase of equipment and materials;
- Ensure that contractors operate according to the company's environmental policy and procedures;
- Comply with all applicable environmental laws and regulations;
- Communicate with employees, the public, government agencies and other stakeholders on activities involving health, safety and the environment;
- Regularly verify environmental performance and implement any required corrective action;
- Minimize the generation of hazardous, as well as non---hazardous, waste and ensure proper disposal of all waste materials;
- Implement measures to conserve natural resources such as energy and water, and;
- Rehabilitate sites in accordance with regulatory criteria and within established timeframes.

2.1 FACILITIES

Bam Gold Corp operated only one drill in the Turner Lake area with no camp situated on the property.

Drill sites are located in geologically favorable various parts of the area where small amounts of drill equipment and/or fuel may be temporarily stored for future use (small remote fuel caches). T a b l e 1 shows the location of drill sites.

Table 1. Coordinates

Hole #	Easting	Northing
TL08-001	588967.33	7457057.52
TL08-002	588968.00	7457057.00
TL08-003	588968.00	7457057.00
TL08-004	588967.48	7457058.73
TL08-005	588961.24	7457133.98
TL08-006	588626.61	7457188.56
TL08-007	588627.44	7457188.79
TL08-008	588627.73	7457188.89
TL08-009	588694.59	7457176.02
TL08-010	588695.25	7457176.47
TL08-011	588695.55	7457176.69
TL08-012	588696.84	7457175.94
TL08-013	588696.32	7457176.65
TL08-014	589374.99	7454624.35
TL08-015	589375.52	7454624.55
TL08-016	589375.24	7454624.71
TL08-017	589343.73	7454697.46
TL08-018	589343.27	7454697.66
TL08-019	588717.77	7457151.12
TL08-020	588718.58	7457151.47
TL08-021	588718.97	7457151.61

2.2 BUILDINGS AND STRUCTURES

Camp Infrastructure Structures

1 24'x12' Prospector tent for emergency/first aid

Vehicles and Heavy Equipment

No vehicles or heavy equipment on site.

Drilling Equipment

1- 25A series, diamond core drill with miscellaneous drill equipment and spares

1 Drill water supply pump

Air Transportation

1 helicopter (B2-AStar)

2.3 FUEL STORAGE

Only fuels stored on site was diesel and Jet A in 205 L (45 gallon) metal drums. Only 6 drums of diesel and 2 of Jet A were stored on site at one time during the drilling program. Drums were placed in a secure location, away from any water sources and in a natural depression.

3.0 PETROLEUM & CHEMICAL STORAGE AND INVENTORY

The hazardous materials stored on site consist of the following substances:

- P---50 Diesel,
- Jet A and/or Jet B turbo fuel,
- Grease (mechanical lubricants),
- Hydraulic Oil,
- Engine Oil,
- Waste Oil (awaiting removal from camp for proper disposal),
- Propane,
- Other materials potentially hazardous to the safety of personnel and the environment

The Material Safety Data Sheets (MSDS) for the hazardous materials stored at the exploration camp can be found in Appendix I.

All hazardous materials/supplies are flown into, and out of, sites.

3.1 PETROLEUM PRODUCT TRANSFER

Manual or electric powered pumps, along with appropriate filtration devices, were used for the transfer of petroleum products from their storage drums to their end---use fuel tanks.

Cigarette smoking, sparks, open flames and any other potential ignition sources are prohibited from any fuel storage and fuel transfer site at all times. As a general guideline, all equipment is to be turned off during refueling.

3.2 REMOTE LOCATION STORAGE AND HANDLING PROCEDURES

Bama Gold Corp. established temporary remote fuel caches for use. Typically these caches are 8 drums or less of Jet fuel and/or P---50. These remote fuel caches will be in accordance with CSA approved methods of storage of drummed product. A spill kit was located at each fuel cache. As well, the helicopter carried additional absorbent pads.

4.0 RISK ASSESSMENT AND MITIGATION OF RISK

Sources of risk:

- 1) Drummed product: Leaks or ruptures may occur. This includes drums of Jet A, Diesel, Gasoline, Waste Fuel, and Waste Oil.
- 2) Fuel cylinders: Propane, leaks may occur at the valves. All cylinders are secured at all times.
- 3) Vehicles and equipment: Wheeled vehicles and equipment, aircraft (fixed and rotary wing), snowmobiles, generators, pumps. Incidents involving leaking or dripping fuels and oils may occur due to malfunctions, impact damage, and lack of regular maintenance, improper storage, or faulty operation.

Regular inspection and maintenance in accordance with recognized and accepted standard practices at all camps and fuel caches, reduces risks associated with the categories listed above. Large fuel caches of 20 drums or more will be inspected daily.

Spill response training is provided to all personnel with particular attention to those personnel who handle fuels and other petroleum products. This training will include a presentation, "mock" spill, review of spill kit contents and their use and reporting.

Spill Kits will be located at all camps, fuel caches and drill shacks. A description of contents is listed in Section 7.0.

5.1 RESPONDING TO FAILURES AND SPILLS

In the case of any spill or other environmental emergency, it is necessary to react in the most immediate, safe, and environmentally responsible manner. No spill or incident is so minor that it can be ignored and every spill must be reported.

5.2 BASIC STEPS

The basic steps of the response plan are as follows:

1. Ensure the safety of all persons at all times.
2. Identify and find the spill substance and its source, and, if possible, stop the process or shut off the source.
3. Inform the on-site co-ordinator or his/her designate at once, so that he/she may take the appropriate actions. Appropriate action includes the notification of the spill to the 24 hour Spill Line and INAC Water Resource Officer, a copy of the Spill Report form can be found in Appendix II.
4. Contain the spill or environmental hazard, as per its nature.
5. Implement any necessary cleanup and/or remedial action.

5.3 CHAIN OF COMMAND

- 1. Immediately notify and report to the 24-Hour Spill Line at (867) 920---8130 (Fax: 867---873---6924), the INAC Water Resources Officer in Nunavut at (867) 975---4295 (Fax: 867 979---6445), and Environment Canada personnel at 867---975---4644.
- 2. A Spill Report Form (Appendix II) is filled out as completely as possible before or after contacting the 24 Hour Spill Line.
- 3. Notify 24 hour contact person for Bama Gold Corp. Karl Kottmeire, Chief Executive Officer, : (604) 682-7422.

5.4 EMERGENCY CONTACT LIST --- SPILL REPORTING AND RESPONSE

• CONTACT	• TELEPHONE NUMBER
• NWT/NU 24 hour Spill Line	• (867) 920---8130
• INAC Water Resource Officer, Iqaluit	• (867) 975---4295
• Environment Canada	• (867) 975---4644
• Government of Nunavut Department of Environment, Robert Eno	• (867) 975---7729
• Kitikmeot Inuit Association	• (867) 983--2458
• DFO	• (867) 979---8007
• Karl Kottmeire, CEO	• (604) 682-7422 •
• Yellowknife RCMP	• (867) 669-5100
• Nunavut Water Board	• (867) 360---6338
• Boyd Warner Bathurst Inlet Lodge	• (867) 920-4330

6.1 TAKING ACTION

6.2 PREVENTATIVE MEASURES

The following actions illustrate a proactive approach to environmental stewardship. In addition, these actions minimize the potential for spills during fuel handling, transfer and storage:

1. Fuel transfer hoses with cam lock mechanisms are used.
2. Carefully monitor fuel content in the receiving vessel during transfer. Always have additional absorbent pads on hand while transferring fuel.
3. Clean up drips and minor spills immediately.
4. Regularly inspect drums, tanks and hoses for leaks or potential to leak and for proper storage.
5. Create fuel caches in natural depressions that are located a minimum of 31 metres from the normal high---water mark of any water body.
6. Train personnel, especially those who will be operators, in proper fuel handling and spill response procedures.

Bama Gold Corp supported the following general principles for spill prevention:

- provide up to date and accessible Material Safety Data Sheets (MSDS) for all hazardous materials;
- regularly inspect fuel/chemical storage areas
- provide training for with respect to approved procedures for handling hazardous materials, and procedures to clean up spills;
- encourage workers to take reasonable measures to prevent spills;
- keep drums/containers sealed or closed when not in use;
- keep storage areas secure from unauthorized access;
- segregate incompatible materials;
- ensure chemical storage areas are adequately protected from weather and physical damage, and;
- provide adequate spill response materials at storage areas.

6.2.2 RESPONSIBILITIES DURING TRANSPORT

Shipper:

- Ensures proper loading, restraint, containment and documentation, which complies with TDG guidelines
- Ensures that goods are classified and labeled appropriately. Provide placards if required
- Ensures safety at all times
- Ensures proper communication with carrier

Carrier:

- Supervises and ensures proper loading, restraint, containment and documentation which comply with all TDG regulations
- Ensures correct volumes for transport, attach placards if necessary, maintains or replaces safety marks
- Checks and delivers TDG manifest to receiver
- Ensures safety of all personnel and equipment

Receiver:

- Complies with TDG guidelines
- Ensures safety of containment facilities
- Ensures maintenance of all pumps and loading/unloading equipment on site
- Provides on-site emergency communications (telephone, radio)
- Completes regular site inspections of storage facilities
- Maintains safety procedures at all times

On---Site Coordinator:

- Supervises and organizes spill containment equipment and personnel
- Reports to internal and external parties
- Ensures proper safety equipment is available
- Notifies all personnel of current hazards
- Provides adequate training for safety and materials handling
- Maintains proper safety procedures at all times
- Must be compliant with all TDG guidelines

6.2 MITIGATIVE MEASURES

1. First steps to take when a spill occurs:

- Ensure your own safety and that of others around you, beginning with those nearest to the scene.
- Control danger to human life, if necessary.
- Identify the source of the spill.
- Notify your supervisor, request assistance if needed.
- Assess whether or not the spill can be readily stopped.
- Contain or stop the spill at the source.

2. Secondary steps to take:

- Determine status of the spill event
- If necessary, pump fuel from a damaged and/or leaking tank or drum into a refuge container
- Notify the 24---hour Spill Report Line
- Complete and Fax a copy of the Spill Report Form (Appendix II).
- Notify permitting authorities.
- If possible, resume cleanup and containment.

6.3.1 SPILL RESPONSE ACTIONS

DIESEL FUEL, HYDRAULIC OIL, AND LUBRICATING OIL

Take action only if safety permits – stop the source flow if safe to do so and eliminate all ignition sources. Never smoke when dealing with these types of spills.

On Land

Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapours have dissipated.

Remove the spill by using absorbent pads or excavating the soil, gravel or snow.

Remove spill splashed on vegetation using particulate absorbent material.

Contact regulatory agencies for approval before commencing with the removal of any soil, gravel, or vegetation.

On Muskeg

Do not deploy personnel and equipment on marsh or vegetation.

Remove pooled oil with sorbent pads and/or skimmer.

Flush with low pressure water to herd oil to collection point.

Burn only in localized areas, e.g., trenches, piles or windrows.

Do not burn if root systems can be damaged (low water table).

Minimize damage caused by equipment and excavation.

On Water

Contain spill as close to release point as possible.

Use containment boom to capture spill for recovery after vapours have dissipated.

Use absorbent pads to capture small spills.

Use skimmer for larger spills.

On Ice and Snow

Build a containment berm around spill using snow.

Remove spill using absorbent pads or particulate sorbent material.

The contaminated ice and snow must be scraped and shovelled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

Storage and Transfer

All contaminated water, ice, snow, soil, and clean up supplies will be stored in closed, labelled containers. All containers will be stored in a well---ventilated area away from incompatible materials.

Disposal

Any contaminated material will be shipped from site to an appropriate and approved facility. The DOE monitors the movement of hazardous wastes from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest will accompany all movements.

6.3 .2 SPILL RESPONSE ACTIONS

GASOLINE AND JET B AVIATION FUEL

Take action only if safety permits – stop the source flow if safe to do so and eliminate all ignition sources. Never smoke when dealing with these types of spills.

On Land

Build a containment berm using soil material or snow and place a plastic tarp at the foot of the berm for easy capture of the spill after all vapours have dissipated.

Remove the spill by using absorbent pads or excavating the soil, gravel or snow.

Remove spill splashed on vegetation using particulate absorbent material.

Contact regulatory agencies for approval before commencing with the removal of any soil, gravel, or vegetation.

On Muskeg

Do not deploy personnel and equipment on marsh or vegetation.

Remove pooled gasoline or Jet B with sorbent pads and/or skimmer.

Flush with low---pressure water to herd oil to collection point.

On advice from regulatory agencies, burn only in localized areas, e.g., trenches, piles or windrows.

Do not burn if root systems can be damaged (low water table).

Minimize damage caused by equipment and excavation.

On Water

Contain spill as close to release point as possible.

Use containment boom to capture spill for recovery after vapours have dissipated.

Use absorbent pads to capture small spills.

Use skimmer for larger spills.

On Ice and Snow

Build a containment berm around spill using snow.

Remove spill using absorbent pads or particulate sorbent material.

The contaminated ice and snow must be scraped and shovelled into plastic buckets with lids, 205 litre drums, and/or polypropylene bags.

Storage and Transfer

There was no contamination of water, ice, snow, soil. If contamination did occur all containers would be stored in a well-ventilated area away from incompatible materials.

Disposal

Any contaminated material will be shipped from site to an appropriate and approved facility. The DOE monitors the movement of hazardous wastes from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest will accompany all movements.

6.3.3 SPILL RESPONSE ACTIONS

PROPANE

Take action only if safety permits. Gases stored in cylinders can explode when ignited. Keep vehicles away from area. Never smoke when dealing with these types of spills.

On Land

Do not attempt to contain the propane release.

On Water

Do not attempt to contain the propane release.

On Ice and Snow

Do not attempt to contain the propane release.

General

It is not possible to contain vapours when released.

Water spray can be used to knock down vapours if there is no chance of ignition.

Small fires can be extinguished with dry chemical or CO₂.

Personnel should withdraw immediately from area unless a small leak is stopped immediately after it has been detected.

If tanks are damaged, gas should be allowed to disperse and no recovery attempt should be made.

Personnel should avoid touching release point on containers since frost forms very rapidly. Keep away from tank ends.

Storage and Transfer

It is not possible to contain vapours when released.

Disposal

Any contaminated material will be shipped from site to an appropriate and approved facility.

The DOE monitors the movement of hazardous wastes from generators, carriers to receivers, through a tracking document (Waste Manifest). A Waste Manifest will accompany all movements.

6.4 CHEMICAL SPILLS

- 1) Assess the hazard of the spilled material. Workers responding to the spill who may be susceptible, such as asthmatics, to fumes or airborne particles should be replaced with alternates.
- 2) Assemble the necessary safety equipment before response (e.g. latex or other protective gloves, goggles, or safety glasses, masks or breathers, etc.)
- 3) Apply absorbents to soak up liquids.
- 4) Place plastic sheeting over solid chemicals, such as dusts and powders, to prevent their disbursement by wind or investigation by birds or other mammals.
- 5) Neutralize acids or caustics. Place spilled material and contaminated cleanup supplies in an empty refuge drum and seal for disposal.
- 6) Contact the 24---Hour Spill Line. Continue through the steps outlined in Section 5.

7.1 SPILL EQUIPMENT

Fire extinguishers were in the drill shack, emergency first aid tent and in the helicopter pad. Spill kits will be located at fuel caches, fueling stations, airstrip, and other locations where spills of hazardous substances could occur.

7.2 SPILL KITS

Spill kits in bright yellow 200 L containers include:

- basic personal protective equipment including goggles and latex gloves,
- absorbent materials including socks, pillows, pads and granular substances
- 50 Sonic bonded pads 17"x19"x3/8"
- 4 Socks 4' x 3" diameter
- 1 SPHAG Sorb ¾ cu ft.
- 1 Plug---it sealing compound 500ml
- 1 pair Nitrile gloves Large
- 2 pillows 18"x18"
- large 36"x52" lettered plastic bags for containing and transferring (for disposal) contaminated sorbent materials.

Also on---site were the following:

- 1 Roll of absorbent matting 38"x144'
- 1 Pack (100's) of Enviro matting 16"x20"
- 2 Shovels (min)
- 2 Pickaxe(min)
- 1 (min) Empty 45 gal. drums for storing contaminated soil for disposal

Spill kits are located at:

- Helicopter cache
- Drilling fuel cache
- Active drill sites

8.0 TRAINING

On---Site Personnel

All personnel and contractors at the project site were made familiar with spill reporting requirements. Conducting an orientation and training program on initial spill response procedures for all contractors.

Contractors

Contractors were required to have WHMIS, TDG and OSHA training. Specialist responders will be expected to have technical environmental, health and safety training specific to their role as a qualified external contractor.

Practice Drills

One practice drill was held to give personnel a chance to practice emergency response skills. The drill provided us the objective of learning where gaps in ability or resources exist, and in what areas more practice is required.