

**Golden Bull Resources Corporation**  
(A 100% owned subsidiary of Golden River Resources Corporation)

**To ADD: Annual Yellowknife Permission to Dump  
Letter**

**SLAVE PROJECT:  
WASTE MANAGEMENT PLAN**

(Valid For the period between June 01, 2009 and December 31, 2014.)

**PREPARED FOR:**

**Golden Bull Resources Corporation,**  
Level 8, 580 St Kilda Road,  
P.O. Box 6315  
St Kilda Road Central  
Melbourne Victoria 8008  
Australia

**PREPARED BY:**

**Bruce E. Goad, P. Geo., M. Sc.,**  
***INUKSHUK* EXPLORATION**  
**INCORPORATED,**  
21861 44A Avenue,  
Langley, British Columbia.  
CANADA V3A 8E1

**DATE REVISED:**

January 13, 2010.

# WASTE MANAGEMENT PLAN

Prepared For:

## Golden Bull Resources Corporation

(A 100% subsidiary of Golden River Resources Corporation.)

### TABLE OF CONTENTS

	<b>Page No.</b>
<i>Table of Contents.</i> .....	ii.
<b>1.0 INTRODUCTION</b> .....	01.
<b>2.0 WASTE MANAGEMENT PLAN</b> .....	01.
<b>3.0 TYPES OF WASTE</b> .....	01.
3.1 Food and/or Garbage .....	01.
3.2 Human Waste .....	01.
3.3 Hydrocarbons .....	02.
3.4 Drilling Material .....	02.
3.5 Sump Material .....	03.
3.6 Other Hazardous Material .....	03.
<b>4.0 DISPOSAL METHODS</b> .....	03.
<b>5.0 AIR QUALITY</b> .....	04.
<b>6.0 MONITORING OF HAZARDOUS WASTE</b> .....	05.
<b>APPENDICES</b>	

### LIST OF APPENDICES.

- APPENDIX I** – Distribution List
- APPENDIX II** - Permission Letter from City of Yellowknife to utilize the City Land Fill Site.

## **1.0 INTRODUCTION**

This Waste Management Plan has been prepared for Golden Bull Resources Corporation (a 100% owned subsidiary of Golden River Resources Corporation) and is intended to reduce or eliminate the effects of waste on the environment and provide for public and worker safety. It is a goal of the company to ensure the natural environment remains pristine upon the completion of the proposed exploration program. The original plan was prepared November 20, 2007. This most recent revision occurred on January 13, 2010.

## **2.0 WASTE MANAGEMENT PLAN**

The Waste Management Plan outlines how Golden Bull Resources Corporation proposes to control and treat waste material that may be generated in the seasonal exploration camp established by the company in the Hood River and Contwoyto Lake area, Nunavut and identifies what may constitute waste and hazardous waste in the proposed camp(s). It is extremely important to recognize waste or hazardous waste that requires proper treatment, storage and possible transport off site.

## **3.0 TYPES OF WASTE**

Several types of waste will be generated in the daily operation of the camp. Participation of everyone in a recycling program by sorting all refuse will make the process more efficient.

### **3.1 Food and/or Garbage**

This type of waste is very easy to manage and to undertake disposal. Initially, all non-combustible items (e.g. tin cans, glass) are cleaned, sorted, crushed (cans only) and stored for transport off site. The waste will be completely incinerated on a daily schedule, after which it will be allowed to cool. The ash will be again sorted for non-combustible items (which will be removed and placed in heavy duty garbage bags to be sent to the closest community dump (Yellowknife)) As recommended by INAC, all residue generated from the operation of an incinerator will be backhauled to an approved waste disposal site in Yellowknife.

It is imperative that all used or old food items are incinerated daily using the approved incinerator installed on site and that all food items remain in the kitchen tent and not be brought into the sleeping/office tents. This will reduce the potential of attracting wildlife into the camp area.

### **3.2 Human Waste**

A properly designed "Pacto-type" latrine will be constructed to collect all human waste. The latrine will be set back from the camp and will always maintain a minimum of 50 metres from the closest water source. Although release of the waste material into the local environment is not expected, this location will eliminate any possible chance of the human waste escaping collection and coming into contact with the camp water source. This distance from local water sources will allow for the natural filtration of any material that is

inadvertently released into the environment, prior to being released into the adjacent bodies of water.

The toilet facility will be emptied daily and all waste will be immediately incinerated. As recommended by INAC, all residue generated from the operation of an incinerator will be backhauled to an approved waste disposal site in Yellowknife.

### **3.3 Hydrocarbons**

These materials would include gasoline, diesel, jet A, jet B, propane, motor oil, greases and lubricants, etc. A contingency plan for these spills is presented in the company's Spill Contingency Plan. Initial response is always - if possible and safety permits - to stop the flow and eliminate all ignition sources. Smoking is NOT permitted when responding to any hydrocarbon spill. Manufactures MSDS are posted in the appendix of the company's Fuel Spill Contingency Plan document.

**RESPONSE TO A FUEL SPILL IS OUTLINED IN THE COMPANY'S FUEL SPILL CONTINGENCY PLAN.**

In addition:

- All Golden Bull Resources Corporation fuel caches will be located at a minimum of 30 metres above the high water mark of any water body.
- Drip pans, or other similar preventative measures, should be used when refuelling equipment on site.
- All Fuel transfer operations will be attended by trained personnel at all times.
- The decanting of snow or water from the fuel storage berm area will proceed only if the appropriate chemical analysis has determined the contents meet the requirements of Section 36.3 of the Fisheries Act.
- All empty drums will be backhauled to Yellowknife for proper disposal or recycling on a regular basis.

### **3.4 Drilling Material**

Drilling additives or mud will not be used in connection with holes drilled through lake ice unless they are re-circulated and thereby contained such that they do not enter the water, or they have been demonstrated to be non-toxic.

For "on-ice" drilling, all cuttings will be contained, drained, scraped clean and transported to an "on-land" sump location on an ongoing basis. All deposition sites will be situated more than 30 metres behind the ordinary high water mark of any body of water. This procedure will assure that drilling cuttings from ice based drilling will be disposed of properly in such a way that the contents can not enter any water body.

Land based drilling will also not occur within 30 metres of the high water mark of any water body. Drilling wastes from land based drilling will be disposed of properly through a sump, such that the contents/sediment can not enter any body of water.

Golden Bull Resources Corporation will follow Environment Canada recommendations that state if artesian flow is encountered in a drill hole, the drill hole be immediately plugged and permanently sealed. The artesian occurrence will be reported to the Government Engineer within 48 hours as required by the land use permit.

### **3.5 Sump Material**

Grey water generated at the camp from the kitchen, dry and core shack (from the core saw) will drain into a sump where the water-borne sediment can be contained and filtered. The camp sump will be remediated on a regular basis as required, to maintain it in a clean and relatively odour-free state. It will be completely remediated at the end of each field season. All refuse will be burnt daily in an approved incinerator and remaining non-combustible solid wastes will be compacted and backhauled for disposal in an approved land fill site in Yellowknife. All residue (ash) generated from the operation of an incinerator will be backhauled to an approved waste disposal site in Yellowknife.

Grey water at any drill site will also drain into a sump to be filtered. Drill sumps will only be used for inert drilling fluids, not any other materials or substances. If hydrocarbon-based drill additives such as rod grease are used, the use of a filtration system aimed towards the reduction of harmful substances released into the environment will be implemented. Each drill site sump will be remediated after completion of each drill hole.

Golden Bull Resources Corporation recognizes that for “on-ice” drilling, where drill additives are not being used, return water released must be nontoxic, and can not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100mg/L).

### **3.6 Other Hazardous Material**

These materials include items such as battery acid, cleaning chemicals, antifreeze fluorescent lights, treated wood products, asbestos, plastics, glass, dry cell batteries, metal, etc. All liquid hazardous material will be stored in the original container until required. On completion of the seasonal program and again at the termination of the entire project, all new and used materials will be removed from site and backhauled to Yellowknife for disposal or recycling at an approved facility. No hazardous material will be incinerated.

## **4.0 DISPOSAL METHODS**

In case of a hydrocarbon spill, the Golden Bull Resources Corporation onsite Project Manager will be immediately notified. He will notify the appropriate government agency listed in the Fuel Spill Contingency Plan and a disposal method will be selected in conjunction with the Project Manager and a Government Official. The possible disposal methods are as follows:

- Offsite disposal to a landfill site the permits disposal of hazardous materials.

- Controlled burning of the contaminants.
- Aeration of hydrocarbon contaminated soils.
- Incineration of combustible liquid product.

Any sump spills/overflows at the drill sites will be remediated immediately so that sediment is not transported into the local environment.

All residue (ash) generated from the operation of an incinerator will be back hauled to an approved waste disposal site in Yellowknife.

All non-combustible garbage material will be backhauled to an appropriate disposal or recycling site in Yellowknife.

All hazardous material/garbage generated on site will be contained and backhauled to Yellowknife to an approved site for disposal or recycling.

## 5.0 AIR QUALITY

The Government of Nunavut is a signatory to the *Canada-Wide Standards for Dioxins and Furans*, and the *Canada-Wide Standards for Mercury Emissions*. To meet these standards, Golden Bull Resources Corporation will apply appropriate incineration technologies to ensure complete combustion of all wastes. Golden Bull Resources Corporation notes that the Government of Nunavut – Department of Environment recommends meeting these standards by the use of a dual chamber, forced-air on site incinerator. Simply incinerating wastes in a burn barrel is no longer acceptable.

Golden Bull Resources Corporation will make a determined effort to achieve compliance with the Canada Wide Standard (CWS). In addition to the use of an appropriate incinerator and incineration technology, these efforts will include the implementation of a comprehensive waste management strategy (especially waste segregation) that is designed to reduce and control the volumes of wastes produced, transported, and incinerated on a daily basis.

Any waste wood treated with preservatives such as creosote, pentachlorophenol or heavy metal solutions will not be burned. Additionally, plastics, electrical wire, asbestos and building demolition wastes (except clean wood) are wastes likely to produce dioxins and furans when burned; therefore, these items will be excluded from incineration.

Finally, for any waste oil to be incinerated, Golden Bull Resources Corporation will ensure that emission meets the CWS standards.

The Golden Bull Resources Corporation will burn all combustible waste in an approved incinerator, and will ensure that all hazardous waste, waste oil and non-combustible waste generated on site will be backhauled and disposed of in an approved waste disposal site.

A variety of incineration devices are available and selection of the most appropriate will depend on considerations of technical and economical feasibility for each situation. Golden Bull Resources Corporation will review the incineration options available and provide justification for the selected device to the regulatory authority.

A Golden Bull Resources Corporation Waste Management Plan will include:

- Purchasing policies that focus on reduced packaging,
- On-site diversion and segregation programs (i.e. the separation of non-food waste items suitable for storage and subsequent transport and disposal or recycling).
- Recycling whenever possible.
- Ensuring diligent operation and maintenance of the incineration device and ensuring appropriate training is provided to the personnel operating and maintaining the incinerator. The objective will be to ensure that only food waste and food-contaminated waste is burned (noting that the use of paper, cardboard and clean wood as supplementary fuel is acceptable).
- Enforcing an anti-litter program both around camp and while on traverse.

Used absorbent materials, oily or greasy rags, and equipment servicing wastes (such as used engine oil, antifreeze, hydraulic oil, lead acid batteries, brake fluid and other lubricants) if accumulated on site will be safely stored and transported in sealed containers and subsequently safely transported to a facility that is authorized for the treatment and disposal of industrial hazardous wastes.

## **6.0 MONITORING OF HAZARDOUS WASTE**

The Department of Environment monitors the movement of hazardous waste from the generator to final disposal through use of a tracking document called a waste manifest. A waste manifest form must accompany all hazardous waste in transit regardless of the means of transport. In order to complete the manifesting requirements, all parties (the generator, carrier, and the receiver) must be registered by the Nunavut Department of the Environment and the registration number entered in the appropriate location on the waste manifest form. All parties may register with the DOE by contacting Robert Eno at [reno@gov.nu.ca](mailto:reno@gov.nu.ca) or at (867) 975-7748.

## APPENDIX I.

### Distribution List.

This manual is to be distributed to the following GBR / GRR personnel:

#### **Golden Bull Resources Corporation.**

(A 100% Owned Subsidiary of Golden River Resources Corporation)

#### **Company President, Chairman, Chief Executive Officer:**

Joseph Gutnick  
(Australia)

[josephg@axisc.com.au](mailto:josephg@axisc.com.au)

P.O. Box 6315

Level 8, 580 St Kilda Road Central  
Melbourne, Victoria. 8008  
Australia

Telephone: +61 3 8532 2860

#### **Chief Financial Officer:**

Peter Lee (Australia)

[peterl@axisc.com.au](mailto:peterl@axisc.com.au)

#### **Directors:**

Peter Lee (Australia)

[peterl@axisc.com.au](mailto:peterl@axisc.com.au)

Desmond Balakrishman (Canada)

#### **Canadian Contact / Consulting Geologist:**

Bruce Goad, P. Geo., M. Sc.

**INUKSHUK** EXPLORATION INC.

(Canada)

Telephone: (604) 533-2255

[inukshuk@uniserve.com](mailto:inukshuk@uniserve.com)

#### **Geologists:**

Yet to be hired.

Yet to be hired.

Yet to be hired.

Yet to be hired.

#### **Camp Manager:**

Yet to be hired.

#### **All Field Staff:**

Yet to be hired.

Yet to be hired.

Yet to be hired.

## APPENDIX II.



### MEMORANDUM *Department of Public Works* *Solid Waste Facility*

DATE: Monday, March 23, 2009

TO: **Bruce E. Goad**, *P. Geo., B. Sc. (Hon), M. Sc., F.G.A.C.*  
Inukshuk Exploration Ltd.  
21861 44A Avenue,  
Langley, British Columbia.  
CANADA V3A 8E1

FROM: Bruce Underhay  
Manager, Solid Waste Facility  
City of Yellowknife

RE: **Waste Disposal from Golden Bull Resources exploration camp**

---

We are willing to accept small amounts of non-combustible waste and recyclables from the Golden Bull Resources exploration camp that will be located within the Northwest Territories but outside Yellowknife city limits. It is our understanding that this camp will not have more than 20 persons. Recyclables and waste need to be separated, recyclables are charged at \$30 / tonne and waste is charged at \$65 / tonne.

Sincerely,

A handwritten signature in cursive script that reads "Bruce Underhay".

Bruce Underhay  
Manager, Solid Waste Facility

Permission Letter from City of Yellowknife to utilize the City Land Fill Site.

Contact: Bruce Underhay, Manager, Solid Waste Facility,  
City of Yellowknife, N.W.T.  
[bunderhay@yellowknife.ca](mailto:bunderhay@yellowknife.ca)