

# **WASTE MANAGEMENT PLAN**

## **JERICOH DIAMOND MINE, NUNAVUT**

### **EXECUTIVE SUMMARY**

The Waste Management Plan (WMP) has been developed to provide operating guidelines, in compliance with federal and territorial (Nunavut) legislation and guidelines, for the collection, storage, transportation and disposal of hazardous and non-hazardous waste generated at the Jericho Diamond Mine (Jericho). It also provides information on the safe and environmentally sound manner in which to minimize waste products generated during site activities. Waste identification, classification, handling, storage, disposal and site facilities are all discussed in detail in this plan.

The WMP includes the following:

- A summary of regulatory requirements;
- A discussion of waste at Jericho, and potential waste minimization, recycling, and reuse opportunities;
- A summary of collection, storage, and disposal of major hazardous and non-hazardous wastes on site; and
- A discussion on ways to minimize biological and physical impact of the site.

Waste at Jericho is considered to be any material that can no longer be used for its intended purpose and is destined for recycling, treatment, disposal, or storage. Solid inert-wastes include such items as cans, filters, belts, scrap metals, sewage sludge, and domestic garbage.

Hazardous wastes are defined by the Government of Nunavut guidelines for Transportation of Dangerous Goods Regulations (TDGR) and include the following:

- waste petroleum products;
- solvents
- paints;
- waste chemicals;
- batteries;
- chemical based sludge from waste water treatment plants; etc.

The waste management operations consist of a number of activities that include:

- source separation of organics (food wastes);
- separation of materials for incineration;
- separation of materials for burning;
- separation of recyclables;
- separation of inert non-combustible materials;
- hazardous recyclables and hazardous material.

The materials that are not sent to the landfill are consolidated and stored until they can be returned for treatment and/or disposed via backhaul from site.