

HAZARDOUS WASTE MANAGEMENT PLAN

Prepared for:

***IQALUIT INTERNATIONAL AIRPORT IMPROVEMENT PROJECT
BBC-SINTRA JOINT VENTURE***

January 2015

Final – Rev 1.0

O/Ref.: QE14-214-11

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1. GENERAL

1.1 OBJECTIVES

- 1.1.1 The release of any hazardous materials into the environment will be avoided during handling of hazardous waste materials.
- 1.1.2 Spills and or incidents will be reported as per the Spill Emergency Plan.
- 1.1.3 In the event of a spill, the emergency response plan will be invoked and appropriate action will be taken as per the Spill Emergency Plan.
- 1.1.4 All Contact Water from the cleaning of fuel tanks and pipelines will be collected and tested as required and prior to the end of each operation season. Discharge of water will conform to the Waste Water Discharge Guidelines provided by the Nunavut Water Board. A temporary storage and/or necessary treatment for all Wastewater will be provided to meet the Wastewater Discharge Criteria and allow for discharge.
- 1.1.5 Hazardous waste materials will be removed from their place of origin, placed in containers, and containers will be transported to the HWTF.
- 1.1.6 Free product and other liquid hazardous waste materials will be pumped into proper containers, and containers will be transported to the HWTF.
- 1.1.7 Barrels will be removed and sorted according to the contents. Where necessary, by the condition of the barrel, or as required by TDG regulations, barrel contents will be repackaged into sound drums or overpack drums.
- 1.1.8 Each “hazardous material” will be packaged and labelled in accordance with the “Class” and “Packaging Group” as per the TDGA.

1.2 REGULATIONS

- 1.2.1 All work will be conducted in accordance with all appropriate Federal, Territorial and Provincial legislation, and international conventions.
- 1.2.2 Hazardous Waste is defined as any waste that may cause contamination to the environment or is regulated by the TDGA Regulations.
- 1.2.3 Materials containing asbestos will be handled in accordance with all applicable regulations and guidelines.

2. MANAGEMENT

2.1 SAFETY

- 2.1.1 Only trained individuals or individuals working under the direct supervision of trained persons will be allowed to handle or transport dangerous goods.
- 2.1.2 Site personnel handling hazardous waste material will be required to wear personal protection equipment in accordance with NIOSH guidelines.
- 2.1.3 Appropriate protection to the potential type and level of exposure will be provided to all workers. Specific safety protocols will be established prior to commencing cleanup activities.
- 2.1.4 Suitable safety clothing and equipment will be provided, as required during the course of the work. Sufficient quantities of protection equipment will be supplied to fit all site personnel.

2.2 TRANSPORTATION & STORAGE

- 2.2.1 Individuals shipping and receiving hazardous waste materials will be licensed under the Transport of Dangerous Goods Act (TDGA) Regulations.
- 2.2.2 Hazardous Waste will be transported and stored at a licensed Hazardous Waste Transfer Facility (HWTF) in Iqaluit when awaiting sealift. This site will be for the storage of potential hazardous waste materials for inspection, testing, classification and packaging, as well as for the building and packaging of barrel liquids and sediments, and for the cleaning of barrels as per section 2 of the present Management Plan.
- 2.2.3 Please refer to the Spill Contingency Plan for the location and maintenance of storage locations.

2.3 PRODUCTS & EQUIPMENT ON-SITE

- 2.3.1 Containers will satisfy requirements of the latest Transportation of Dangerous Goods Act and Regulation (marine and ground transportation).
- 2.3.2 A full range of cleanup and protective equipment will be provided at the site to contain and cleanup spills, and protect personnel, as required. The cleanup equipment will include booms (sorbent and containment), sorbents for cleanup, fire extinguishers for A-B-C fires, waste bags for contaminated soils, pumps, hand shovels, picks and containment barriers, such as plastic sheeting. Personnel protective equipment will include clothing, protective suits, respirators, etc. to comply with potential emergency conditions and in accordance with NIOSH guidelines.
- 2.3.3 List of known hazardous waste to be managed on site: oil, oil filters, oil rags, hydraulic fluids, batteries, spray cans, lubricants, grease, and compressed gas cylinders (acetylene, oxygen and propane).