



May 3, 2013

## BATHURST ISLAND REMEDIATION - PHASE III ENVIRONMENTAL SITE ASSESSMENT

# Closure and Restoration Plan

**Submitted to:**  
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REPORT



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**Distribution:**

Nunavut Impact Review Board





### 1.0 PROJECT SCHEDULE

As previously stated, Environment Site Assessment work is planned for the summer of 2013. The goal is to complete the work in 2013; however, if necessary a 2014 field season will be conducted.

### 2.0 CLOSURE AND RESTORATION

#### 2.1 Seasonal Closure and Restoration

The seasonal closure and restoration will take approximately 1 to 2 days to complete and is described in the following sections.

##### 2.1.1 Buildings and Contents

All tent structures will be removed from the site. No food or food waste will be left on site.

##### 2.1.2 Fuel Cache

Any fuel drums or empty drums from the assessment locations will be returned to the fuel cache at the field camp. Empty drums will be backhauled to an approved facility throughout the project.

Remaining fuel drums at the fuel cache will be inventoried and stored until the next season. All remaining fuel drums and empty drums, as well as secondary containment, will be inspected. Surrounding soil will also be inspected for potential contamination. Any contaminated soil will be treated according to the *General Spill Contingency Plan* (Stantec).

##### 2.1.3 Waste

Stantec will backhaul paper products, paperboard packaging, untreated wood, food wastes, and food packaging.

Sewage will be solidified and back hauled to Resolute. Greywater from the camp will be directed to a sump or natural depression at a minimum 30 m from a water body.

##### 2.1.4 Water System

Pumps, tanks, and hoses will be drained, dismantled, packaged, and removed from the site. Hoses will be rolled up and removed from the site.

##### 2.1.5 Contamination Clean Up

Contaminated soil or water at the assessment sites or the camp will be treated as described in the *General Spill Contingency Plan* (Stantec). Photographs before, during, and after the clean-up will be taken and all clean-up activities will be documented.

##### 2.1.6 Documentation and Inspection

Prior to seasonal closure of the site, if required, all remaining equipment and buildings will be inventoried, locations recorded, and photographed. All areas disturbed by the field program, (e.g., fuel cache, camp) will be inspected prior to closure for the season. Records of the inspections will be kept in the project file.



## CLOSURE AND RESTORATION PLAN

### 2.2 Final Closure and Restoration

#### 2.2.1 Building and Contents

All equipment such as tents, tent frames, stoves, beds, shower etc. will be dismantled and removed from the site. All consumables associated with camp construction, such as nails, screws, anchors etc. will be recovered where possible, packaged, and flown out with other non-hazardous solid waste for disposal.

#### 2.2.2 Fuel Storage

All remaining fuel drums and empty drums will be removed from the site. The soil under and surrounding the fuel cache will be thoroughly inspected for any contamination, and photographs will be taken. Locations where fuel was stored at the drill sites will be inspected during the drill location inspection. Any contaminated soil will be treated according to the *General Spill Contingency Plan* (Stantec)

#### 2.2.3 Waste

Stantec will backhaul all paper products, paperboard packaging, untreated wood, food wastes, and food packaging.

Sewage will be solidified, packaged and backhauled to Resolute, Nunavut. Greywater from the camp will be directed to a sump or natural depression at a minimum 30 m from a water body.

#### 2.2.4 Water System

Pumps, tanks, and hoses will be drained, dismantled, packaged, and removed from the site. Hoses will be rolled up and removed from site.

#### 2.2.5 Contamination Clean Up

Any contaminated soil identified during the closure inspections will be treated according to the *General Spill Contingency Plan* (Stantec). Photographs will be taken, before, during, and after the clean up.

#### 2.2.6 Documentation and Inspection

Prior to final closure of the site, a complete inspection of all disturbed areas will be conducted. The inspection will include recording locations of all disturbed areas (including coordinates), photographing all disturbed areas, and documenting a description of the area. Information gathered during the final inspection will be used to write a final closure and restoration report. The report will be distributed to the regulatory agencies as required by the project permits and licence. The final closure and restoration report will also include site maps showing the locations, greywater sump, camp location, and fuel cache location.

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