

HIGH ARCTIC REMEDIATION PROJECT

ANNUAL REPORTING 2015-16

APPROVAL NO. 8WLC-HAR1516

A) SUMMARY OF ACTIVITIES:

Aboriginal Affairs and Northern Development Canada (AANDC) in collaboration with Public Works and Government Services (PWGSC) and Blumetric Environmental Inc. conducted in the summer of 2015 site assessment work as part of the High Arctic Remediation Project on the following class I federal contaminated sites in Nunavut:

- Drake Point
- Rae Point
- Dale Payne
- Romulus
- Loughheed Island
- Thor Island

For this work a temporary camp was established at Rae Point just off the airstrip at 75 22 36.1 N and 105 44 11.4 W on August 1, 2015. The camp served as the base, with a helicopter and twin otter being used to service the 5 other sites. All objectives for the project were accomplished in the 2015 field season. These included:

- Delineating soil contamination identified in previous studies and characterizing surface water, sediment and groundwater quality at the Sites;
- Gathering background soils and water quality data; completing a site survey of the flora and fauna;
- Evaluating the integrity of the site access roads and airstrips with respect to future site remediation work;
- Evaluating the logistics of mobilizing and demobilizing people, equipment and materials from the Sites;

In total 872 samples were taken from the 6 sites. These included:

- 792 Soil
- 19 surface water
- 21 Ground water
- 20 Sediment
- 3 Barrel liquid
- 6 Paint
- 11 Building material

On August 30th, 2015 at 2148 a Summit Air, Buffalo aircraft departed Rae Point with all components of the temporary camp as well as any left-over fuel drums. The site has been left clean, and as it was found.

“Matrix Camps, Logistics and Aviation Management” reported that a total of 14.4 m³ of water from the local source, shown in the pictures below, was used for camp operations.

B) Supporting Photos and Maps

i) Map of Sites



ii) Photographs of the camp and restoration of the site:

Included below are a handful of photos of the temporary camp that was set up at Rae Point. Unfortunately the camp provider, Matrix, forgot to take a final set of photos to show that the camp location was cleaned and restored. Accordingly, we are not able to provide any photo evidence to you to demonstrate the site is clean, but have be assured by Matrix that the site has been restored to how it was found.

1) Aerial view of Camp



2) Water Source



3) Pacto Toilets



4) Incinerator



5) Aerial View of Rae Point Temporary Camp Site showing water intake and greywater sump

