Northeast Thelon Compilation

Abandonment and Restoration Plan

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1) Introduction

This abandonment and restoration plan has been prepared for the Northeast Thelon Compilation temporary fly camps that are proposed to be established during the 2010 field season. This project is a continuation of a 2009 project conducted out of Baker Lake. The project is scheduled to commence on July 5 until August 27. The small 2-4 person temporary fly camps will use minimal equipment (small tents) (see Introduction to Camp Fuel Contingency Plan). The length of stay at each temporary fly camp is expected to be between 5-7 days. Helicopters will ferry researchers into the small fly camp locations with the applicable equipment to setup a camp and conduct geological research.

2) Schedule

The abandonment and restoration of the camps will be done upon completion of the stay at each camp by the researchers. Given the small size and short duration of the temporary fly camps the take down and restoration of the camp should only require about a half day to complete.

3) Equipment to be used at the camp

The small size of the camp and short duration allows minimal equipment to be used effectively decreasing the impacts of the camp on the surrounding environment. Small floored tents will be used at each of the camp. A single 20lb propane tank will be at each fly camp stored in a well ventilated area as far as possible from tent being used for cooking. Additionally, a generator with a 5 gallon Jerry can will also be on site with drip pan and fire extinguisher.

A small amount of water will be taken for drinking, washing dishes and personal hygene. Given the small amount required this should not have any effect on fish or wildlife. Grey water will also be properly disposed of in an appropriately placed sump to allow proper filtration; the small amount of water disposal is also not expected to have any impact on fish or wildlife habitats. Additionally, the small fly camps consist of accommodations with a small footprint on the area.

4) Abandonment and Restoration Procedures

Removal of Equipment

Note: The procedures for abandonment and restoration will be the same for each of the temporary fly camps. Our intention is to leave the fly camp areas in the same condition prior to our use.

4.1) Equipment

All equipment associated with the temporary fly camps (e.g. tents, propane tank, jerry can) will be packaged and flown out of the site upon completion of the researchers use of the camp. Researchers will walk through the site and examining and collecting any remaining equipment or refuse.

4.2) Garbage and Waste

Absolutely no sewage will be left at the camp, human waste will be captured in a contained latrine and with be flown out of the camp. Additionally, solid waste (both combustible and non-combustible will also be flown out of camp upon completion of the researchers stay. The flown out garbage will be properly disposed of in the local municipal landfill where as the black water will be properly disposed of via municipal waste treatment.

Grey water generated during the short duration will be disposed of in an appropriately placed sump that allows proper natural filtration of the grey water. Any solid particles associated with the grey water (e.g. remnants from washing dishes) will be collected from the sump and flown off site. Upon completion of the fly camps use the sump will be filled back and levelled.

4.3) Fuel

While no helicopter liquid fuel will be at the fly camp sites (only a 5 gallon jerry can) the area will also be inspected to ensure that there has been no fuel spills or leaks. The soils surrounding the area of storage as well the generator will be inspected. If evidence of contamination is found it will be as per the contingency plan submitted and reported as required to the NWT 24 hour spill line. The helicopter landing area will also be inspected to ensure no contamination.

Separate fuel caches are being set up at 5 separate sites, each with a vinyl spill-containment berm and clean up kits beside them. As the summer work progresses, empty drums will be backhauled to Baker Lake by helicopter or fixed wing aircraft. At the end of the research program, in 2012, any remaining fuel and berms will be backhauled to Baker Lake by either fixed wing aircraft or snow cat train. All materiels will be shipped back south by sea lift at the next opportunity. A separate INAC water license has been applied for on the fuel caches.