

Matrix Aviation Solutions Inc.
Abandonment and Restoration Plan
Hope Lake Camp 2004
Nunavut Water Board
Licence ~~NWB2HCL0406~~
NWB6HLC0407

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29 September 2005

1. Preamble

The Abandonment and Restoration Plan is effective from JUNE 22, 2004 to JUNE 30, 2006 and applies to the Hope Lake exploration camp run by Matrix Aviation Solutions Inc. in the Kitikmeot District of Nunavut, north latitude 67°26.42" N; 116°27.10"W. The project is on private land and a water license from the Nunavut Water Board (NWB) is currently in place.

2. Introduction

This abandonment and restoration plan has been prepared as an updated document for the Hope Lake Camp. The fly-in camp is located 198 km east of Kugluktuk and 500 km northeast of Yellowknife. The camp supports a population of up to 40 people and is open seasonably between mid March and mid October depending upon the program supported.

3. Schedule

The seasonal shutdown of the camp site should take 5 days to complete and will take place after the activities that are supported by the camp have ceased. It should be conducted between the 10 and 15 of September. The plan will be applied by the Hope Lake project personnel under the supervision of the field supervisor.

4. Infrastructures currently on site

Fridge
Stove
Grill
Kitchen, pots, pan, dishes, ect
Microwave
Tables, chairs, ect
Freezers with food (2)
Boxed food
Washer
Dryer
Hot water tank
Water pump (electric)
Water tank

Water pump (gasoline)
Water lines
14'x16' canvas tents – 4 units
tent frames – 4 units
Weatherhaven tents – 7 units
Heat stoves - 12 units
Electrical wire and fixtures
Plumbing and fixtures
Generator
Quads - 2
First Aid equipment
Office supplies
Small trailer for Quad
Miscellaneous materials

Section 1: Final Abandonment and Restoration Plan

1.1 Buildings and Content

All the reusable equipment (tents, tent metal frames, stoves, foamies, kitchen stove, refrigerator, other kitchen appliances and equipment, showers, hot water tank, etc) will be packaged and flown out from project site to Yellowknife. Wood structures like the kitchen, office, outhouses, dry, generator shed, tent wooden floors, beds and tables will be dismantled and burned. Nails, screws, anchors and other non combustible parts will be recovered, packaged and flow out to an approved municipal discharged.

1.2 Water System

Pump, tanks and hoses will be drained, dismantled, packaged and flown out to Yellowknife. The wooden pump shack built to protect the pump will be burned as for the other wood structures.

1.3 Electrical System

The generator shed will be inspected for remaining hazardous waste (oil, grease) and will be drained of its fuel. Remaining waste fuel and oil will be collected in the containers labeled for that usage and used through the summer. The shed will be dismantled and burned. The soil will be inspected for contamination. Electrical wires, sockets, etc...will be taken down and either returned with camp material to Yellowknife, or flown out to an approved municipal discharge.

1.4 Fuel and Chemical Storage Facilities

The fuel storage area consists of segregated groups of drums with empties apart from full drums. At the end of the field season, an inventory of remaining fuel will be made and full drums will be inspected. Full and empty drums will be flow out back to source or to an interested buyer.

Propane cylinders will be flown out as well to source. Remaining waste fuel, stored in properly labeled drums will be flown out to a fuel outlet or discharge that accepts this

type of fuel. Chemical stored on site will consists of drill additives, oil, grease and household cleaners. All drill additives will be stored in or by the drill foreman shed. Household cleaners will mainly be stored in the kitchen. Upon camp closure, any unused drilling additive, oil or grease will be returned to the drilling company warehouse. Half empty containers will be taken off site to be properly disposed in an approved discharge. Empty containers will be disposed with regular garbage.

1.5 Waste Facility and Incinerator

Once the camp is entirely dismantled, all remaining combustible waste stored at this site will be burned. The incinerator will be dismantled, reusable parts will be returned to Yellowknife and the barrel will be discarded in an approved municipal discharge.

1.6 Greywater Sump

The kitchen-dry greywater sump will be filled back and leveled.

1.7 Camp site

The camp site will have a final inspection. Areas showing too much wearing evidences will be covered with a layer of peat moss and lightly fertilized to promote natural growth. Drill core to be left on site will be properly stored and secured.

1.8 Documentation and Inspection

Photos of camp prior to building will be taken. Monitoring will be done during occupancy and photos taken. Once the site restored, it will again be documented with photos. Soil contaminated by hydrocarbons and unnoticed before abandonment will be treated as per the spill contingency plan.

Section 2: Seasonal Shutdown and Restoration Plan

2.1 Buildings and Content

All equipment will be stored inside the wooden buildings to ensure they will withstand the winter season. Canvas tents will be secured and braced internally to ensure they will withstand snow and wind loads. Wood structures will be secured with nailed plywood over windows and doors to prevent inadvertent opening. Snowmachines, argo's and quads will be stored inside the core shacks and shop building.

2.2 Water System

Pump, tanks and hoses will be drained and dismantled. Rented equipment will be flown out to owner. Hoses will be rolled and stored in the kitchen.

2.3 Electrical System

The generator shed will be inspected for remaining hazardous waste (oil, grease) and will be drained of its fuel. Remaining waste fuel and oil will be collected in the containers labeled for that usage and used through the summer. The generator will be winterized and prepared for startup in spring. The soil surrounding the generator shed will be inspected for contamination. Electrical wires, plugs and sockets will be stored in the kitchen.

2.4 Fuel and Chemical Storage Facilities

An inventory of remaining fuel will be made and full drums will be inspected and secured for the winter. Empty drums will be flown out to source. Empty propane

cylinders will be flown out to source. Chemical stored on site will consists of drill additives, oil, grease and household cleaners. All drill additives will be stored in or by the drill foreman shed and secured for the winter. Empty containers will be disposed with regular garbage. The soil of the areas will be inspected for contamination.

.2.5 Waste Facility and Incinerator

Once the camp dismantled and remaining buildings secured, all remaining combustible waste stored at this site will be burned. The incinerator will be dismantled and stored in the kitchen. The soil will be inspected for contamination.

2.6 Greywater Sump

The greywater sump wood cover will be secured for winter.

2.7 Camp site

Soil contaminated by hydrocarbons and unnoticed before abandonment will be treated as per the spill contingency plan.

2.8 Documentation

Equipment and buildings left on site will be inventoried. Photos of camp and drill sites prior to building of drilling will be taken. Monitoring will be done during occupancy and photos taken. Once the site secured for the winter, it will again be documented with photos.