

TWIN MINING CORPORATION

Abandonment and Reclamation Plan for Water License
NWB2JACO203 - to accompany 2006 renewal application

Jackson Inlet Project
Brodeur Peninsula, Baffin Island, Nunavut

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Preamble

This Abandonment and Reclamation (or Restoration) Plan has been developed in respect of Water License NWB2JACO203 for the Jackson Inlet Project operated by Twin Mining Corporation and, as of April 2004, in part by Kennecott Canada Exploration Inc.

DIAND Land Use permit # N2001C0028 covers Crown land activities. Twin Mining has applied for renewal beyond the expiry date of July 22, 2006.

This plan for the Jackson Inlet Project applies to the Twin Mining Camp located 10 km west of Kennecott's St. Josephs Camp and the same distance east of tidewater on Jackson Inlet. The project is at an intermediate exploration stage and this document has been constructed on the basis of the consequently incomplete findings to date.

Twin Mining Corporation intends to continue with exploration for the 2006 and 2007 field seasons and will conduct drilling, trenching and mini-bulk sampling in the immediate Freightrain and Cargo-1 areas, as well as soil sampling, geological and geophysical surveys over the remaining property area as warranted. Targets identified by these surveys are anticipated to warrant drilling in 2006. Thereafter, a decision will be made regarding continuation of activities into 2007.

History and Camp Location

In 2001, an eight-tent camp was constructed. The location is at north latitude 73°16'36.2" and west longitude 88°16'15.5" on National Topographic System Map 58 D/8. The Jackson River canyon or gorge and the topographic setting can be seen in Figure 1, a photo looking toward the southeast. Tidewater at the head of Jackson Inlet is 10 km west of the camp, that is, to the right of the photo.

This campsite will continue to service the needs of the exploration for the 2006-2007 field season.

Following the exploration effort on the Brodeur Peninsula the following steps will be taken to ensure a thorough reclamation of the effected sites.

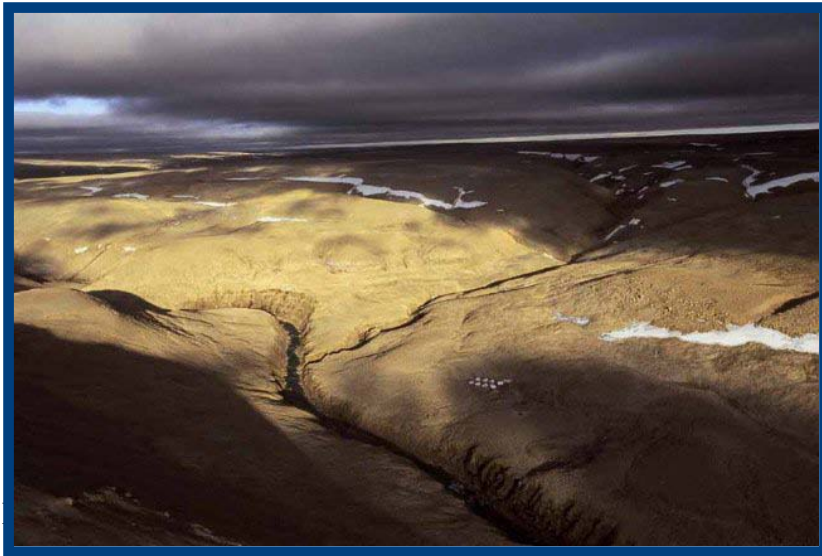


Figure 1 – Twin Mining Exploration Camp on Jackson River, viewed from the Northwest.



Figure 2 – Close-up of Twin Mining Exploration Camp, viewed from the east.

Schedule

The abandonment and restoration of the campsite should take 5 – 7 days to complete and will take place after all exploration activities have ceased. If exploration activities dictate the finalization of the exploration project, it will be conducted between the 10th and 15th of September 2007 and no later than October 31st. The plan will be applied with the help of the project personnel under the supervision of the field supervisor.

Infrastructure onsite

Twin Mining camp

- 1) 8 wood frame tents
- 2) 1 Generator
- 3) 1 pliable water bladder/reservoir
- 4) 1 wood frame plastic covered sample examination and sample storage shed
- 5) 1 wooden outhouse
- 6) 4 additional unassembled tents and timber, which will be set-up this field season

Final Abandonment and Restoration Plan

Buildings and Content

All the reusable equipment like tents, stoves, mattresses, kitchen stove, refrigerator, other kitchen appliances and equipment, showers, hot water tank, etc...will be packaged and flown to Nanisivik airport and thence by ship to Montreal or to an alternative campsite. Some equipment may be donated or sold to either the Resolute or Arctic Bay communities.

Unless exploration results warrant moving the camp to another site on the Brodeur Peninsula, wood in frames, flooring and sheathing of tents, outhouse, dry, floors, bunk beds, doors and tables will be dismantled and incinerated on site. Nails, screws, anchors and other non-combustible parts will be recovered, packaged and flow out to an approved municipal discharge.

Water System

Pump, tanks and hoses will be drained, dismantled, packaged and flown to Ottawa or an alternative campsite. Any wooden shed built to protect the pump will be incinerated as for the other wood structures.

Electrical System

The generator footings area soil and rock will be inspected for evidence of hazardous waste (oil, grease) and the generator drained of its fuel. Remaining waste fuel and oil will be collected in the appropriately labeled containers, and transported to Nanisivik airport and thence by ship to Montreal for disposal in an approved site. The generator and all electrical wiring, sockets, etc. will be flown to Nanisivik airport and either sold to a local party or transported by ship to Montreal or flown to an alternative campsite.

Fuel and Chemical Storage Facilities

The fuel belonging to Twin Mining will be segregated at Kennecott's fuel storage area and, in turn, will consist of segregated groups of drums with empties kept 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 as well as propane cylinders will be flown to Nanisivik airport for transport by ship to Montreal, except for full drums which may be transported to an alternative campsite or donated or sold at the Arctic Bay community.

Remaining waste fuel and any such chemicals are and will be stored in properly labeled drums. These drums will be flown and, thence, if necessary, shipped by boat and truck to a fuel outlet or discharge that accepts this type of fuel. Chemicals stored on site will consist of oil, grease, household cleaners and, possibly, drill additives. All drill additives will be stored in or by the contractor's drill foreman shed.

Upon camp closure, any unused drilling additive, oil, grease and household cleaners will be flown to Nanisivik and, except for empty containers acceptable for disposal at the Arctic Bay municipal waste site, will be packed in a container suitable for ship transport to Montreal and thence trucked to an approved disposal facility. Full containers will be returned to the supplier, sold to another exploration company or kept by Twin mining for another project.

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.

Greywater Sump

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

Blackwater Sump

The outhouse pit contents are and will be removed on a weekly basis, or more frequently, to a separate pit or sump that is and will be covered with soil and back filled. At the end of the season the remaining pit will be back filled and leveled.

Helicopter pad

The helicopter pad consists of a well-worn gravel patch. This area will be inspected for contamination.

Campsite

The campsite will have a final inspection. Areas showing too much wearing evidences will be leveled. No plant life present exists at the campsite so no requirement is needed to promote any natural growth of flora. It is not anticipated that any drill core will be left on site, but, if so, it will be properly stored and secured.

Drilling areas restoration

A Boart Longyear drill which was on contract by Twin Mining during the 2001-2 period of drilling remains at the Cargo 1 drill site approximately 4 km east of the Twin Mining camp. It is expected that it will be used by Boart Longyear on Twin Mining's 2006-2007 program.

Removal of this drill, and all other contractor equipment will take place by ship at either the end of the 2006, or 2007 field programs.

Documentation and Inspection

Photos have been taken of the camp during the seasonal occupancy since 2001. Photos will be taken of the drill sites abandoned in 2001-2 and of the surrounding terrain to demonstrate how effectively the restoration has returned the sites to their original state. No soil contaminated by hydrocarbons is present at drill sites abandoned in 2001-2. Photos will similarly be taken of all 2006-2007 work sites.

Twin Mining will organize a final site inspection visit with community representatives, Land Use Inspectors and in collaboration with Nunavut Water Board staff, if requested.

Seasonal Shutdown and Restoration Plan

Buildings and Content

All tent structures will be secured for the winter. All the equipment like stoves, mattresses, kitchen stove, refrigerator, other kitchen appliances and equipment, showers, hot water tank, etc...will be left on site. The camp will be secured. No food (including tinned food) will be left onsite. All remaining food will be donated to the Arctic Bay community.

Water System

Pump, tanks and hoses will be drained and dismantled. Hoses will be rolled and stored in the equipment tent.

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 secured for winter in the equipment tent. The soil will be inspected for contamination. Electrical wires, plugs and sockets will remain in their installed locations.

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 and propane tanks will be flown out and transported by ship to source. Chemicals stored on site will consist of oil, grease and household cleaners. All drill will be stored under a tarp secured for the winter. Empty containers will be disposed with regular garbage. The soil of the areas will be inspected for contamination.

Waste Facility and Incinerator

Once the camp is shutdown and buildings secured, all remaining combustible waste stored at this site will be burned. The incinerator will be dismantled and stored in the tent with other equipment. The soil will be inspected for contamination.

Greywater Sump

The greywater sump will be covered and secured for the winter.

Blackwater Sump

The outhouse pit contents will be removed, disposed in a pit or sump, covered with soil, and, the pit back filled. The outhouse door will be secured for the winter.

Helicopter pad

The helicopter pad consists of a well-worn gravel patch. This area will be inspected for contamination.

Camp site

Areas contaminated by hydrocarbons and unnoticed before abandonment will be treated as per the spill contingency plan. No drill core will be at the Twin Mining camp site.

Drilling areas restoration

All drill sites will be restored and photographed.

Documentation

Equipment and buildings left on site will be inventoried. Monitoring will be done during occupancy and photos taken. Once the site is secured for the winter, it will again be documented with photos.