



ᑭᑭᑭᑭᑭᑭᑭᑭ ᑭᑭᑭᑭᑭᑭᑭ
QIKIQTAALUK CORPORATION

ROAD BETWEEN THE HAMLET OF CLYDE RIVER AND CAPE CHRISTIAN

Abandonment and Restoration Plan

Licence No. 8BW-CLY0810

Presented to:

Manager of Licensing

Nunavut Water Board

P.O. Box 119

Gjoa Haven, NU X0B 1J0

Telephone: (867) 360-6338

Fax: (867) 360-6369

Email: licensing@nunavutwaterboard.org

December 2010

1 Introduction

Qikiqtaaluk has obtained the Water Licence 8BW-CLY0810 to conduct some culvert installation, construct a bridge over the Clyde River, and to repair the road in order to have access to the Cape Christian site where major environmental remediation was required.

Qikiqtaaluk, in addition to doing repairs and mitigation on the old roadway, has completed all work for the clean up of the Cape Christian site during the summer 2010. In fact, all equipment and camp supplies were demobilized from the site and are now staged on the side of Clyde River between the airport and the new bridge. Therefore, the road is no longer required.

2 Abandonment and Restoration Plan Objectives

The general abandonment and restoration goals of this A&R Plan are to:

- Ensure the long-term physical and chemical stability of the project area(s) so as to protect the public's health and safety
- Enhance natural recovery of the disturbed area(s) to a state that is compatible with original conditions to allow for future use by people and wildlife
- Ensure that the requirement for long-term maintenance and monitoring is minimized

This A&R Plan is written with a view to address all project-related activities

3 Project Description

An application for renewal of the Licence No. 8BW-CLY0810 was submitted for activities to be implemented during the 2011 summer season. A road from Clyde River to Cape Christian was built and maintained during the 2009 and 2010 summer seasons to support the needs of a clean up project at the former LORAN military site of Cape Christian. The clean up activities are now completed and all equipment

and supplies were demobilized and are now temporarily staged between the Airport of Clyde River and the bridge that was constructed in 2009.

The license was initially required mainly for the installation of culverts at 4 locations. In 2011, Qikiqtaaluk Corporation intends to conduct mitigation work in some areas of the tundra as per a plan submitted August 31st, 2009 to INAC. In addition, Qikiqtaaluk Corporation intends to conduct work for a complete abandonment of the road as described below, leaving only the bridge in place.

4 Final Abandonment

The access road which was constructed under the permit will be decommissioned and returned to the original ground profile. The pre-existing drainage courses will be re-established and all culverts removed. Disturbed surfaces will be scarified to promote natural vegetative cover.

Trenches and ditches will be backfilled with the material previously removed and stockpiled beside the trenches. They will be smoothed, re-contoured and scarified as above. Any areas of significant erosion will be re-graded to improve long-term stability.

Culverts once removed, if still in good condition, will be offered to the Municipality of Clyde River. Otherwise, they will be sent to the municipal landfill conditional to an authorization from the hamlet. Otherwise, no waste should be generated. All equipment required for the work (excavators, dozers) will be refuelled using the hamlet fuel truck at the area between the Airport and the bridge.

5 Monitoring

After the completion of the reclamation, two years of annual monitoring of the site will take place in the late summer. The monitoring will consist of inspecting potential problem areas for erosion and run-off into the streams. Reports, including photographs, will be submitted to the NWB.