

Staff Report on G08H004

1. Introduction

The Land and Water Board's staff received a land use application April 21st, 2008, proposing to conduct a Fuel Storage Sites operation at **Gwich'in Wellness Camp, approx. 10.4 km south east of Inuvik**. This report is intended to be used as a decision making document when board members are considering issuing a land use permit for the operation.

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2. Comment Summary Table

Organization, Contact and Date Received	Concerns / Suggestions Submitted
April 21 st , 2008; GLWB John Edwards Land & Water Technician	Sent a Letter of Acceptance to Gwich'in Tribal Council Sent out Letter of Review to all participating parties to review the Application. Sent Preliminary Screening report to MVIERB (April 30th, 2008)
April 14 th , 2008; D.F.O., Erica Wall Habitat Biologist	To reduce potential impacts to fish and fish habitat, we are recommending the following mitigation measures be included in the proposal plans. <ol style="list-style-type: none"> 1. Every effort should be made to retain riparian vegetation, as it is critical for the protection of littoral and riparian fish habitats as well as for providing cover and enhancing bank stability. 2. Water intakes should be properly screened and be equipped with fine mesh of 2.54 mm (1/10") to prevent the entrainment and/or impingement of fish. Please refer to the Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO, 1995) which is attached for your reference. 3. The construction of temporary crossings over ice-covered streams is conducted as specified in the attached Ice Bridges Operational Statement. This Operational Statement provides specific advice on ice bridge construction, maintenance and removal. If it is determined that the conditions and measures described in the Operational Statement can not be complied with, DFO should be contacted with the details of the project. 4. All fuel storage should have secondary containment (such as doubled walled tanks, berms etc.) that is sufficient to ensure that fuel will not be able to enter any water body. 5. A spill contingency plan should be made available to all persons required to work on site and followed in the event of a spill. 6. Spills of oil, fuel or other deleterious material should be reported immediately, as per existing reporting protocols, to the NWT/Nunavut 24-hour Spill Report Line at (867) 920-8130, including all spills near or into a water body.
April 28 th , 2008; GRRB, Nicole Lights Environment Biologist (Casual)	<ul style="list-style-type: none"> • The spill contingency plan will be available on site. • Spill kits will be located on fuel trucks and drip pans will be used during fuel transfer. • Fuel cache will consist of secondary containment with 110% storage capacity. • DFO approved screens will be placed on all water intake pipes to prevent the uptake of fish. • All equipment will be cleaned prior to initial use to prevent the spread of invasive vegetation Species.

May 9 th , 2008; G.L.A., Mardy Semmler	No comments received.
May 9 th , 2008, E.C.: Ron Bujold , Environment assessment Technician	No comments received.
May 9 th , 2008, G.S.C.I. Sharon Snowshoe , Executive Director	<p>Several place names have been recorded by the GSCI for this and the surrounding area and it is recommended that the GSCI be contacted for information on these names so that they can be integrated into the signage and programming offered at the camp.</p> <p>The GSCI is concerned that no detailed fuel spill management plan was provided with the application, and recommends that a comprehensive spill management plan be developed for the site and made available to all potential camp staff in the event of such an event occurring.</p> <p>We understand that the sewage and waste water will be treated by a water purification plant and then disposed of east of the camp in the bush. Has any thought been given as to how this might affect the permafrost in the area and if so, how this might impact the camp in the long run?</p> <p>The GSCI questions whether an archaeological or heritage assessment was conducted prior to the construction of the camp. If not, then a post-impact assessment may be appropriate, as determined by the Territorial Archaeologist.</p>
May 8 th , 2008 ENR, Claire Singer Environmental Regulatory Analyst	<p>1 attachment included with Staff Report</p> <p>Potential Wildlife Disturbance</p> <p>Waste Management</p> <p>Fuel Storage and Spills</p> <p>Species at Risk</p>
May 6 th , 2008; INAC, N.M.D. Conrad Baetz ,	No Comments, but did Evaluate Draft Conditions.
May 9 th , 2008 Nihtat Gwich'in RRC/Nihtat Gwich'in Council ,	No comments received.
April 22 nd , 2008 M.V.L.W.B. Kathleen Graham Regulatory Officer	It is decided that this operation in not "likely to have an impact in more that one (1) settlement area, or in a settlement area outside any settlement area", as per Part 4, Section 103(1)(a) of the Mackenzie Valley Resource Management Act.

3. Summary of Potential Impacts and Mitigation Measures

The first column "Potential Impacts" lists all impacts which may happen with this type of operation. Included in the column are the names of the review groups who were concerned about certain aspects of the operation. The next column lists mitigation measures which will eliminate or lesson the potential impacts. The third column lists the headings of the term or condition that will be used to draft the land use permit.

Potential Impacts	Mitigation	Clause
Permafrost <ul style="list-style-type: none"> ➤ Possible disturbance to permafrost from burying waste material. ➤ Possible damage to the permafrost in the summer. 	<ul style="list-style-type: none"> ➤ Remove all waste material. ➤ Prevent Permittee from operating when rutting occurs. 	<ul style="list-style-type: none"> ➤ Remove Waste Material ➤ Prevention of Rutting
Lakes and Streams <ul style="list-style-type: none"> ➤ Potential blockage of natural drainage from parts of the operation. ➤ Potential disturbance to the water table. ➤ Potential contamination to waters from submerged trees and brush. 	<ul style="list-style-type: none"> ➤ Locate operation to prevent blockage. ➤ Do not quarry below the depth of the water table. ➤ Instruct Permittee to burn brush. 	<ul style="list-style-type: none"> ➤ Natural Drainage ➤ Quarry Depth ➤ Burn Brush
Soil and Vegetation <ul style="list-style-type: none"> ➤ Organic soil may be disposed of during clearing (used in restoration). ➤ Potential for erosion when vegetation is removed. 	<ul style="list-style-type: none"> ➤ Save organic soil stripped from areas in the pit. ➤ Permittee must install erosion control structures. 	<ul style="list-style-type: none"> ➤ Save Organic Soil ➤ Erosion Control
Wildlife and Fish <ul style="list-style-type: none"> ➤ Potential hazards to wildlife. ➤ Unnecessary damage to wildlife habitat. 	<ul style="list-style-type: none"> ➤ Remove all garbage and debris from the area of the land use operation. ➤ Instruct the Permittee to be careful when using machinery. 	<ul style="list-style-type: none"> ➤ Remove Garbage ➤ Habitat Damage
Archaeological Sites and Monuments <ul style="list-style-type: none"> ➤ No impacts expected 		
Heritage Sites/Traditional Use Areas <ul style="list-style-type: none"> ➤ No impacts expected 		
Recreational/Aesthetic Areas <ul style="list-style-type: none"> ➤ Potential unsightliness or erosion from not sloping side hill cuts or waste material in areas of public use. 	<ul style="list-style-type: none"> ➤ Instruct the Permittee to slope waste material excavations and embankments after use. 	<ul style="list-style-type: none"> ➤ Excavations and embankments ➤ Waste Material Piles. ➤ Clean work area
Community Comments <ul style="list-style-type: none"> ➤ No comments from communities. 		Standard Clauses <ul style="list-style-type: none"> ➤ Plans ➤ Contact GLWB Staff/Inspectors ➤ Expiry Date ➤ Reports Before Removal ➤ Clean Up ➤ Closure ➤ Only Approved Equipment ➤ Stripping of Overburden ➤ Restrictions ➤ Copy of Permit ➤ Identify Agent