



Mackenzie Valley Land and Water Board
7th Floor - 4910 50th Avenue
P.O. Box 2130
YELLOWKNIFE NT X1A 2P6
Phone (867) 669-0506
FAX (867) 873-6610

STAFF REPORT

Company: Government of the Northwest Territories – Department of Transportation	
Location: Yellowknife Airport	Application: MV2001L3-0012
Date Prepared: October 22, 2008	Meeting Date: October 30, 2008
Subject: Temporary storage of glycol waste water	

1. Purpose/Report Summary

The purpose of this report is to submit a request made by the Government of the Northwest Territories-Department of Transportation (GNWT-DOT) for the temporary storage of glycol waste water at the Yellowknife Airport.

2. Background

Water Licence MV2001L3-0012 was issued on June 13, 2002 for a period of two years. It was renewed for a period of five years on September 7, 2005.

3. Discussion

The GNWT-DOT had planned to have the Glycol Retention Facility (GRF) wastewater disposed of in a southern facility but the cost was too high. GNWT-DOT has several temporary waste storage tanks that can be used to store the glycol as an interim measure. The amount of liquid glycol waste water for storage would be 135 - 150m³.

Discussions have been ongoing with GNWT-DOT, Mackenzie Valley Land and Water Board staff and the Indian and Northern Affairs Canada (INAC) Inspector for options that would be available to GNWT-DOT. The best option that was discussed is that GNWT-DOT be allowed to store the glycol in temporary storage tanks for this year (winter of 2008/2009). The submission of an updated Glycol Management Operational Plan (GMOP) defining acceptable disposal method and contingency plan (not including the use of Fiddler's Lagoon) is to be submitted by February 1, 2009.

Part D, Item 2 of the Terms and Conditions of the Water Licence it states:

- "The Licensee shall direct all glycol contaminated snow to the Glycol Retention Facility or as otherwise approved by the Board."

The request is being presented to the Board for formal decision.

The temporary storage tanks are not a long-term solution to the problem.

4. Comments

N/A

5. Review comments

Please see attached letter from Scott Stewart, Water Resources Officer with Indian and Northern Affairs Canada.

6. Security

N/A

7. Conclusion

The request is for temporary storage and is not a long-term solution.


8. Recommendation

The staff recommends that the Board approve the temporary storage of glycol waste water in storage tanks for this year.

9. Attachments

- Water Licence and Terms and Conditions MV2001L3-0012
- Letter dated October 16, 2008 from Scott Stewart Water Resource Officer with INAC addressed to Steve Loutitt, Yellowknife Airport Managers Office with GNWT-DOT.

Respectfully submitted,


Tyree Mullaney
Regulatory Officer