

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPONENT: Trustees of Lake Nutimik Baptist Camp
PROPOSAL NAME: Lake Nutimik Baptist Camp Water Treatment Plant Upgrade
CLASS OF DEVELOPMENT: One
TYPE OF DEVELOPMENT: Waste Disposal - Water Treatment Plants (Wastewater)
CLIENT FILE NO.: 4609.00

OVERVIEW:

The Proposal was received on March 5, 2001. It was dated February 23, 2001. The advertisement of the proposal was as follows:

“A Proposal has been filed by Wardrop Engineering on behalf of the Nutimik Lake Baptist Camp for the construction and operation of upgraded water treatment equipment for the camp. The new water treatment process would consist of coagulation and flocculation, filtration and chlorination. Backwash water and treatment plant residuals would be discharged into Nutimik Lake at a rate of 2.6 litres per second for a period of about one hour every second day. Installation of the new equipment is scheduled for the spring of 2001.”

The Proposal was advertised in the Beausejour Clipper on Monday, March 26, 2001. It was placed in the Main, Centennial and Brokenhead River Regional Library (Beausejour) public registries. The Proposal was distributed to TAC members on March 19, 2001. The closing date for comments from members of the public and TAC members was April 19, 2001.

COMMENTS FROM THE PUBLIC:

No public comments were received.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Manitoba Conservation – Sustainable Resource Management - A detailed diagram of the area to be excavated is required illustrating the extent of the excavation both on the shore and in the river bottom. Details are also needed on the composition of the shoreline and river bottom from surface to the maximum depth of the excavation, as well as a description of the riparian vegetation along the line of excavation. A sediment control plan to be followed during the excavation should be provided. Detail is also required on infilling of the trench, placement or disposal of any excess excavated soil and final surface treatment of the shoreline and river bottom to protect against erosion. Estimates of the amounts of aluminum and chlorine in the wastewater discharge should be provided as well as information on composition of the coagulant once it is in the wastewater and what will happen to it once it is released into the river water.

Disposition:

Additional information was requested to ensure that receiving water quality is not significantly degraded with respect to fish habitat.

...2

Manitoba Conservation - Water Quality Management

1. Although the proponent identifies that concentration of the coagulant (polyaluminum chloride) will likely be non-harmful, no mention is made of accumulative effects of PAC on organisms in receiving waters and sediment. The proposal identifies that effluent will not be continuous but rather discharged in intervals. These intervals will have a greater concentration of PAC than the estimated average. Since information regarding environmental implications of PAC is sparse, I recommend that the proponent **not** be allowed to use polyaluminum chloride as a coagulant, but rather investigate other coagulants for use at the Lake Nutimik Baptist Camp.
2. The proponent will be applying for a Water Rights Licence from the Water Branch, Manitoba Conservation, which implies an increase in water use by the Camp. I am concerned that the two septic fields will not contain the capacity for wastewater because of this increased water usage. No mention is made in the proposal as to how 10 million liters of water will be assimilated in the waste -stream. Will the existing water distribution system remain operational, and thus continue to contribute wastewater to the septic fields?
3. All reasonable efforts and precautions must be made by the proponent to minimize soil runoff from disturbed sites during construction and installation to Nutimik Lake.
4. No chlorinated water must be directed towards Nutimik Lake.

Disposition:

Additional information was requested concerning the use of PAC as a coagulant. With respect to the use of the existing water distribution system, no changes are proposed to the distribution system or the wastewater management system.

Historic Resources Branch - No concerns.

Highway Planning Branch - No concerns.

Provincial Planning Services - No concerns.

Canadian Environmental Assessment Agency - The application of the Canadian Environmental Assessment Act with respect to this project will not likely be required. The Department of Fisheries and Oceans requires more information prior to making their determination. Health Canada, Natural Resources Canada, and Environment Canada would be able to provide specialist advice if requested. (DFO provided comments on the proposal to the Proponent's consultant and indicated an interest in participating in the provincial assessment of the proposal.)

ADDITIONAL INFORMATION:

Additional information was requested to address identified concerns. Information regarding the use of PAC coagulant was provided on May 24, 2001. Information regarding the remaining concerns was provided on June 1, 2001. Both letters are attached.

PUBLIC HEARING:

As no public concerns were identified, a public hearing is not recommended.

...3

RECOMMENDATION:

No comments received on the Proposal required further information. It is recommended that the Development be licensed under The Environment Act subject to the limits, terms and conditions as described on the attached Draft Environment Act Licence. It is further recommended that enforcement of the Licence be assigned to the Eastern Region.

PREPARED BY:

Bruce Webb
Environmental Approvals - Environmental Land Use Approvals
April 24, 2001 (updated June 4, 2001)
Tel: (204) 945-7021 Fax: (204) 945-5229
E-mail: bwebb@gov.mb.ca