

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPOSER: Department of Northern Affairs
PROPOSAL NAME: Pine Dock Community Well Water and
Water Treatment Plant
CLASS OF DEVELOPMENT: One
TYPE OF DEVELOPMENT: Waste Disposal - Water Treatment Plants
(Wastewater)
CLIENT FILE NO.: 4287.00

OVERVIEW:

The Proposal was received on November 27, 1997. It was dated November 19, 1997. The advertisement of the proposal was as follows:

“A proposal filed by the Department of Northern Affairs for the construction of a water supply and treatment system to serve the Community of Pine Dock. Works include a water well, a membrane technology water treatment plant with a treatment process waste water discharge to Jackpine Bay on Lake Winnipeg, a water distribution system and wastewater collection system (excluding treatment system) to serve 60% of the 113 residents in the community.”

The Proposal was advertised in the Gimli/Arborg Interlake Spectator on Monday, December 22, 1997. It was placed in the Main, Centennial, Pine Dock Community Council and Bibliotheque Allard (St. Georges) public registries. The Proposal was distributed to TAC members on December 15, 1997. The closing date for comments from members of the public and TAC members was January 26, 1998.

COMMENTS FROM THE PUBLIC:

No public responses were received.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Historic Resources Branch No concerns.

Natural Resources The proposal states that the waste water from the treatment plant will have aluminum and iron concentrations that exceed the Canadian Water Quality Guidelines for freshwater aquatic life. The Manitoba Surface Water Quality Objective

for iron will also be exceeded. The potential impact of these high levels on fish and other aquatic life in Jackpine Bay should be considered. This proposal also does not consider the possible impact of residual chlorine on fish in Jackpine Bay.

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- 2 -

Disposition:

Wastewater from the proposed plant is estimated to be 20% of the capacity of the plant, or 960 USGPD. The expected iron concentration in the wastewater would be about one order of magnitude greater than the guideline, and the aluminum concentration would be about 40% greater than the maximum in the guideline range. Due to the very small daily volumes of wastewater, these concentrations should be quickly diluted in the vicinity of the outfall. This should be confirmed in an effluent monitoring program which should be specified as a licence condition.

Canadian Environmental Assessment Agency Application of the Canadian Environmental Assessment Act with respect to the project will not be required. Environment Canada and Natural Resources Canada would be able to provide specialist advice in accordance with Section 12(3) of the Act. Mitigation measures to be implemented have been provided by DFO.

Department of Fisheries and Oceans The proposal is not likely to cause adverse effects on fish and fish habitat after taking into account the implementation of the following mitigation measures: construction equipment should be refueled and serviced at least 100m away from the lake, and precautions should be taken to ensure that deleterious substances do not enter the lake; disturbed shoreline areas should be stabilized or revegetated as soon as possible to prevent erosion and sedimentation.

Disposition:

These mitigation measures can be included as licence conditions.

PUBLIC HEARING:

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

RECOMMENDATION:

All comments received on the Proposal can be addressed as licence conditions. Therefore, 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-Interlake Region.

PREPARED BY:

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