

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPOSER: Town of Minnedosa
PROPOSAL NAME: Water Treatment Plant Upgrade
CLASS OF DEVELOPMENT: One
TYPE OF DEVELOPMENT: Waste Disposal - Water Treatment Plants
(Wastewater)
CLIENT FILE NO.: 4263.00

OVERVIEW:

The Proposal was received on July 3, 1997. It was dated July 2, 1997. The advertisement of the proposal was as follows:

“A Proposal has been filed by J. R. Cousin Consultants Ltd. on behalf of the Town of Minnedosa for an upgrading of the Town’s Water Treatment Plant #1. The upgrade would include an expansion of raw wellwater pumping capacity, an expansion of filter capacity from 500 imperial gallons per minute to 1200 imperial gallons per minute, the construction of a 200,000 imperial gallon treated water reservoir, and an additional backwash water disposal pipeline. Backwash water from the plant would continue to be discharged to an oxbow of the Little Saskatchewan River adjacent to the plant. The backwash water would contain the oxidized iron and manganese which is removed from the wellwater by the treatment plant. Construction of the new components would occur in the summer and fall of 1997.”

The Proposal was advertised in the Minnedosa Tribune on Tuesday, July 29, 1997. It was placed in the Main, Centennial, Eco-Network and Western Manitoba Regional Library (Brandon) public registries. The Proposal was distributed to TAC members on July 22, 1997. The closing date for comments from members of the public and TAC members was August 25, 1997.

COMMENTS FROM THE PUBLIC:

No public responses were received.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Manitoba Environment - Land Use Approvals Proposals involving municipal water supplies should identify plans for water conservation measures as a standard part of each proposal. As this has not been done for the current proposal, a water conservation plan or

discussion should be requested as a licence condition. The increased pumping rate may require an alteration to the Proponent's Water Rights Licence.

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Historic Resources Branch No concerns.

Highway Planning and Design No concerns.

Rural Development - Community Economic Development No concerns or objections.

Medical Officer of Health - Westman Region Minimize the risk of contamination by fuel or chemical spills during construction. Ensure appropriate waste disposal as per existing environment regulations. Dust, noise and particulate emissions during construction may be a concern. Include a clause requiring adherence to Section 2.9 of the Proposal which describes mitigation measures.

Disposition:

These comments can be addressed as licence conditions.

Natural Resources Although the backwash water from the plant will be emitted into an oxbow of the Little Saskatchewan River, this oxbow does have flow through during the spring period. Some assessment should be made of the resulting concentration of chlorine in the Little Saskatchewan River that would occur during the spring period.

Disposition:

Under normal operating conditions, the discharge rate of backwash water would be 90 l/s. (877 m³/day discharged over 160 minutes/day). The chlorine concentration in the backwash water is anticipated to be 0.5 mg/l. During spring flow conditions when the river was high enough to connect to the oxbow, flows would be at least several cubic metres/second. Assuming a flow of 3 m³/s, the dilution would be 3.00/0.090, or 33:1. This would dilute the chlorine concentration to 0.015 mg/l. Calculated on a daily basis, the concentration would be further reduced by a factor of approximately 8, since backwashing is expected to occur for less than three hours per day.

Chlorine monitoring can be specified as a licence condition to ensure that residual levels are not significantly greater than expected.

Canadian Environmental Assessment Agency Application of the Canadian Environmental Assessment Act with respect to this project will not be required.

PUBLIC HEARING:

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

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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 Park-West Region.

PREPARED BY:

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Environmental Approvals - Environmental Land Use Approvals
August 29, 1997

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