

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPONENT: Star Lite Holding Co. Ltd.: Applicant
PROPOSAL NAME: Star Lite Colony Wastewater Treatment Lagoon
CLASS OF DEVELOPMENT: 2
TYPE OF DEVELOPMENT: Wastewater Treatment Lagoon
CLIENT FILE NO.: 2685.10

OVERVIEW:

On August 19, 1998, the Department received a Proposal from Star Lite Holding Co. Ltd. to reconstruct, expand and operate a wastewater treatment lagoon to service the Star Lite Colony farmsite. The wastewater treatment lagoon will be located on southeast quarter of Section 4-10-2 WPM in the Rural Municipality of Cartier. The Proposal indicated that treated wastewater will be discharged into a municipal drainage ditch, thence to the Starbuck Drain, which empties into the La Salle River.

The Proposal indicated that the existing secondary cell will be converted into a primary cell, the existing primary cell will be converted into a secondary cell and a new secondary cell will be added east of the existing cells. The wastewater treatment lagoon cells will be lined with clay that should meet the hydraulic conductivity guidelines. The Proposal does not address impacts of effluent discharge on all downstream uses of the La Salle River.

The Department, on September 2, 1998, placed copies of the Proposal in the Public Registries located at 123 Main St. (Union Station); the Centennial Public Library, the Portage Regional Library and provided copies of the Proposal to the Interdepartmental Planning Board and TAC members. As well, the Department placed a public notification of the Proposal in the Headingley Headliner on September 7, 1998. The newspaper and TAC notification invited responses until September 30, 1998.

COMMENTS FROM THE PUBLIC:

- No responses were received to the public notification.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Highways

- *No comment.*

Natural Resources

- *Springtime discharge of the lagoon should not occur until after June 15th.*
- *No animal wastes such as manure should be discharged into the lagoon.*
- *Prior to development of the colony, the proposed lagoon expansion site and the site of the colony were flooded by the La Salle River. Flood proofing the lagoon*

expansion against the 100 year flood would require a top of dyke elevation of 240.8 metres.

Disposition:

- The draft Licence addresses these issues.

Historic Resources

- *No concerns.*

Urban Affairs

- *No concerns.*

Rural Development

- *No concerns.*

Health

- *No concerns.*

Environment-Water Quality Management

- *Numerous wastewater lagoons either directly or indirectly discharge treated effluent into the La Salle River.*
- *The River is used as a drinking water supply source (e.g. the Macdonald water supply in Sanford)*
- *The Colony should coordinate its discharge period with that of other facilities along the River to minimize the potential adverse effects on the water quality of the River, in terms of both drinking water quality and freshwater habitat.*

Disposition:

- The draft Licence includes similar discharge restrictions as other licences issued to wastewater treatment lagoon facilities along the La Salle River.
- The department expects to publish a report within the next two years. It should provide direction on the need for nutrient removal in the watershed. It is reasonable to expect the proponent to share the responsibility with others discharging nutrients, both point source and non-point source discharges, to reduce the nutrient loading to the river when it has been established that nutrient levels must be reduced. The draft Licence requires the Licencee to participate in a watershed based nutrient reduction program that may be developed in the future.

Environment-Operations Division

- *The time required to discharge the wastewater treatment lagoon may exceed the time period stated in the Proposal, if a multiple discharge procedure is needed.*

Disposition:

- The proponent's consultant responded to this concern by stating that a total discharge period of more than 4 weeks may be required. He indicated that the altered Licence should not limit the discharge period to 4 weeks.

Canadian Environmental Assessment Agency

- *The application of the Canadian Environmental Assessment Act with respect to this proposal will not be required.*

PUBLIC HEARING:

A public hearing is not required.

RECOMMENDATION:

A Licence should be issued in accordance with the attached draft. Enforcement of the Licence should be assigned to the Approvals Branch until the construction of the wastewater treatment lagoon and the post-construction soil sampling and testing is has been completed.

PREPARED BY:

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