

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPONENT: Rural Municipality of Rockwood
NAME OF DEVELOPMENT: Stony Mountain and Stony Mountain Institution
Wastewater Treatment Lagoon Upgrade
CLASS OF DEVELOPMENT: Two
TYPE OF DEVELOPMENT: Wastewater Treatment Lagoon
CLIENT FILE NO.: 3367.10

OVERVIEW:

The Proposal was received on July 28, 2014. It was dated July 25, 2014. The advertisement of the proposal was as follows:

“A Proposal has been filed by JR Cousin Consultants Ltd. on behalf of the Rural Municipality of Rockwood for the expansion and continued operation of a wastewater treatment lagoon system in S 2-13-2E servicing the community of Stony Mountain and the Stony Mountain Institution. The facility would also accept truck hauled wastewater from the Stony Mountain Industrial Park and rural residences. Two new aerated treatment cells would be constructed and all four existing cells would be used as storage cells for treated effluent. Two new storage cells would also be constructed. All current and proposed cells are located on land owned by the Stony Mountain Institution. Treated effluent would be discharged between April 16 and October 31 to the Penitentiary Drain, which flows into the Grassmere Creek Drain, a tributary of the Red River. Construction of the expansion is proposed for 2015.”

The Proposal was advertised in the Stonewall Argus and Teulon Times and in the Stonewall Teulon Tribune on Thursday, September 11, 2014. It was placed in the Legislative Library and Millennium Public Library (Winnipeg) public registries and in the online public registry. The Proposal was distributed to TAC members on September 10, 2014. The closing date for comments from members of the public and TAC members was October 3, 2014.

COMMENTS FROM THE PUBLIC

No public comments were received.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE

Manitoba Conservation and Water Stewardship – Environmental Compliance and Enforcement Branch

No concerns.

Manitoba Conservation and Water Stewardship – Environmental Programs and Strategies Branch, Air Quality Section

- The proposal is not expected to have a significant impact on air quality provided that the measures cited are implemented.
- The odour clause is suggested to be included in the Licence.

Disposition

These comments can be addressed as licence conditions.

Manitoba Conservation and Water Stewardship - Lands Branch

No concerns as there are no Crown lands impacted by the proposal.

Manitoba Conservation and Water Stewardship - Lands Branch, Land Management and Planning Section

No concerns as no Crown land will be impacted by the proposal.

Manitoba Conservation and Water Stewardship – Parks and Protected Spaces Branch

No comments or concerns to offer as the proposal does not affect any provincial parks, park reserves, ecological reserves, areas of special interest or proposed protected areas.

Manitoba Conservation and Water Stewardship – Water Science and Management Branch, Water Quality Management Section

- The following effluent standards should be in place for the RM of Rockwood wastewater treatment lagoon upgrade as per the *Manitoba Water Quality Standards, Objectives and Guidelines Regulation* (196/2011).
 - CBOD 25 mg/L,
 - TSS 25 mg/L,
 - Fecal Coliforms or *Escherichia coli* 200 MPN / 100mL,
 - Total phosphorus <1 mg/L,
 - Ammonia concentrations as outlined in Table 1 of Manitoba Water Quality Standards, Objectives, and Guidelines using Equation 3 and based on effluent pH.

Effluent pH	Effluent Total Ammonia
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	expressed as N, (mg/L)
6.50	48.83
6.60	46.84
6.70	44.57
6.80	42.00
6.90	39.16
7.00	36.09
7.10	32.86
7.20	29.54
7.30	26.21
7.40	22.97
7.50	19.89
7.60	17.03
7.70	14.44
7.80	12.14
7.90	10.13
8.00	8.41
8.10	6.95
8.20	5.73
8.30	4.71
8.40	3.88
8.50	3.20
8.60	2.65
8.70	2.20
8.80	1.84
8.90	1.56
9.00	1.32

- The Water Quality Management Section recommends that during discharge, the Proponent be required to collect once each day a grab sample of the effluent at the final discharge point and analyse for:
 - pH
 - temperature (field)
 - total ammonia (expressed as mg/L of N)
- The Water Quality Management Section is concerned with any discharges that have the potential to impact the aquatic environment and/or restrict present and future uses of the water. Therefore it is recommended that the license require the proponent to actively participate in any future watershed based management study, plan/or nutrient reduction program, approved by the Director.

Disposition:

These comments can be addressed through licence conditions. As the facility will function as a wastewater treatment plant when discharging continuously during the period April 16 – October 31, effluent testing will be required as a wastewater treatment plant rather than as a wastewater treatment

lagoon, and will therefore include an ammonia testing requirement. Testing frequency will be required in accordance with the frequency required for similar sized wastewater treatment plants.

Manitoba Conservation and Water Stewardship – Water Use Licensing Section

No concerns.

Manitoba Conservation and Water Stewardship – Water Control Works and Drainage Licensing Section

Any water control works (drains, culverts, dykes, dams, etc.) associated with this project will require licensing under the Water Rights Act – an application is attached for the proponent's convenience. Any inquiries in this regard may be directed to the local Water Resource Officer. Their contact information may be found at http://www.gov.mb.ca/conservation/waterstewardship/licensing/pdf/areas_of_focus_jan_23_12.pdf.

Disposition:

This information was provided to the consultant for information.

Manitoba Infrastructure and Transportation – Highway Planning and Design Branch, Environmental Services Section

No concern.

Manitoba Agriculture, Food and Rural Development, Crops Branch

The potential for the movement of pathogens during construction and maintenance operations is a concern to Manitoba Agriculture Food and Rural Development (MAFRD) and to the farming community. To minimize the risk of pathogen spread construction activities should stay off of any adjacent agriculture land unless proper permission are obtained and proper biosecurity protocols are followed by the contractors.

Disposition:

This information was provided to the consultant for information. It is not anticipated that construction activities will occur on any adjacent land outside the project footprint.

Office of the Fire Commissioner

No comments or concerns.

ADDITIONAL INFORMATION

No additional information was required to address Technical Advisory Committee comments on the Proposal. Several items were identified during the Environmental Approvals Branch review of the proposal that do not comply with design guidelines for facultative wastewater treatment lagoons. These items can be addressed through licence conditions and have been brought to the attention of the consultant. The consultant also confirmed soil information concerning the dykes of the existing facility that was not shown in preliminary design drawings for the expanded facility.

PUBLIC HEARING

As no requests for a public hearing were made, a public hearing is not recommended.

CROWN-ABORIGINAL CONSULTATION

The Government of Manitoba recognizes it has a duty to consult in a meaningful way with First Nations, Métis communities and other Aboriginal communities when any proposed provincial law, regulation, decision or action may infringe upon or adversely affect the exercise of a treaty or Aboriginal right of that First Nation, Métis community or other Aboriginal community.

The proposal involves the expansion of an existing wastewater treatment facility on agricultural land that is currently owned by the proponent.

Since resource use is not adversely affected by the project, it is concluded that Crown-Aboriginal consultation is not required for the project.

RECOMMENDATION

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 retained by the Environmental Approvals Branch until construction of the wastewater treatment lagoon expansion is completed. Enforcement of the licence then should be assigned to the Central Region of the Environmental Compliance and Enforcement Branch.

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