

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPOSER: Rural Municipality of Lakeview
PROPOSAL NAME: RM of Lakeview Water Treatment Plant

CLASS OF DEVELOPMENT: One
TYPE OF DEVELOPMENT: Waste Disposal - Water Treatment Plants
(Wastewater)

CLIENT FILE NO.: 5478.00

OVERVIEW:

The Proposal was received on July 13, 2010. It was dated July 12, 2010. The advertisement of the proposal was as follows:

“A Proposal has been filed by Mainstream Water Solutions Inc. on behalf of the Rural Municipality of Lakeview for the disposal of wastewater from the Langruth water treatment plant in SW 29-16-9W. The existing water treatment plant is being upgraded with the addition of an ozone assisted biofiltration treatment process. Approximately 6 m³/day of wastewater from the plant is generated through filter backwashing. This wastewater contains the constituents from the raw water that are removed during the water treatment process. Wastewater from the upgraded plant would continue to be directed to a wastewater holding pond adjacent to the plant. Any wastewater not evaporating from the pond would be discharged from the pond to the ditch south of the plant. The ditch flows east towards Lake Manitoba, which is 11 km from Langruth.”

The Proposal was advertised in the Portage Central Plains Herald Leader on Saturday, July 24, 2010. It was placed in the Main, Eco-Network, Millennium Public Library (Winnipeg), Portage la Prairie City Library public registries and in the office of the R. M. of Lakeview as a public registry location. The Proposal was distributed to TAC members on July 21, 2010. The closing date for comments from members of the public and TAC members was September 2, 2010.

COMMENTS FROM THE PUBLIC:

No public comments were received.

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Manitoba Conservation – Sustainable Resource and Policy Management Branch

No concerns.

Manitoba Conservation – Aboriginal Relations Branch No concerns.

Manitoba Conservation – Parks and Natural Areas Branch No comments.

Manitoba Conservation – Environmental Operations Branch No comments or concerns.

Manitoba Water Stewardship – Planning and Coordination Branch

- The Proposal has indicated that waste water disposal is conducted by gravity seepage from the existing waste water pond combined with naturally occurring evaporation. Should the wastewater pond overflow, excess wastewater flows by gravity through a short artificial ditch, returns to the major drainage ditch on the south side of the site. “Thus the site is drained by public open major ditch (along its southern road boundary) which drains from the site and local area to the east, where water eventually reaches Lake Manitoba 11km away.”
 - The proponent needs to consider an option of discharging the treatment plant wastewater to the town’s wastewater lagoon/plant.
 - The proponent needs to provide information on what will happen to the discharge water under winter conditions.
 - Section 5.1 Pollutants (page 11):
 - The proponent has not assessed the potential impact of the discharge effluent on the receiving environments, including a ditch which is connected to Lake Manitoba. The proponent needs to provide information on the use of water in the ditch and the impact of the treatment plant discharge on downstream use and on the vegetation and aquatic life downstream of the discharge point.
 - The proposal needs to provide flow data.
 - The proponent needs provide information on the type of disinfection being proposed.
- Manitoba Water Stewardship recommends an *Environment* Act Licence to include the following requirements:

- The Licencee shall comply with Manitoba Water Stewardship's Wetland Policy:
 - The net loss of semi-permanent or permanent wetlands shall not occur. Wetlands are defined as areas that are periodically or permanently inundated by surface or ground water long enough to develop special characteristics including persistent water, low-oxygen soils, and vegetation adapted to wetland conditions. These include but are not limited to swamps, sleughs, potholes, marshes, bogs and fens.
 - A proponent shall establish and maintain a buffer zone with at least a 3-metre width.
- The Licencee shall develop and implement an Emergency Response Plan, including provisions for the storage of disinfection chemicals and containment plans for spills.
- In order to protect riparian areas, establish and maintain an undisturbed native vegetation area located upslope from the ordinary high water mark and adjacent to all waterbodies and waterways connected to the provincial surface water network:
 - A 15-metre undisturbed native vegetation area is recommended for lands located adjacent to first and/or second order drains;
 - A 30-metre undisturbed native vegetation area is recommended for lands located adjacent to third and/or higher order drains and/or waterbodies;
 - Permanent development is prohibited within an undisturbed vegetation area;
 - The combined alteration—including new and existing structures—within this undisturbed native vegetation area is limited to a maximum of 25 % of the shoreline length (for example: 25 metres per 100 metres of shoreline length) of each lot for a boat house, path, dock, etc.; and,
 - Alteration within this undisturbed native vegetation area—including a dock and/or the removal of near shore or stream aquatic habitat—shall not occur unless an activity conforms to a Department of Fisheries and Oceans Canada Operational Statement or an activity is reviewed by the Department of Fisheries and Oceans Canada.

- Manitoba Water Stewardship submits the following comments:
 - Manitoba Water Stewardship does not object to this proposal, at this time.
 - The Manitoba Department of Water Stewardship is mandated to ensure the sustainable development of Manitoba's water resources. Manitoba Water Stewardship is committed to the goals of: protecting aquatic ecosystem health; ensuring drinking water is safe and clean for human health; managing water-related risks for human security; and stewarding the societal and economic values of our waterways, lakes and wetlands; for the best water for all life and lasting prosperity. Manitoba Water Stewardship achieves these goals, in part, through administering legislation, including *The Water Protection Act*, *The Water Rights Act*, and *The Water Power Act*.
 - *The Water Rights Act* requires a person to obtain a valid licence to control water or construct, establish or maintain any "water control works." "Water control works" are defined as any dyke, dam, surface or subsurface drain, drainage, improved natural waterway, canal, tunnel, bridge, culvert borehole or contrivance for carrying or conducting water, that temporarily or permanently alters or may alter the flow or level of water, including but not limited to water in a water body, by any means, including drainage, OR changes or may change the location or direction of flow of water, including but not limited to water in a water body, by any means, including drainage. If a proposal advocates any of the aforementioned activities, a person is required to submit an application for a Water Rights Licence to Construct Water Control Works. A person may contact the following Water Resource Officer to obtain an application and/or obtain information.
 - A contact person is Mr. Ed MacKay, C.E.T., Senior Water Resource Officer, Water Control Works and Drainage Licensing, Manitoba Water Stewardship, 1129 Queens Avenue, Brandon, Manitoba R7A 1L9, telephone: (204) 726-6226, email: ed.mackay@gov.mb.ca.
 - The proponent needs to be informed that if the proposal in question advocates any construction activities, erosion and sediment control measures should be implemented until all of the sites have stabilized.
 - The Manitoba Department of Water Stewardship's recent policy direction recommending Public Reserves to protect water is founded, in part, on the 135 recommendations in the Lake Winnipeg Stewardship Board's (December 2006) report titled, "Reducing Nutrient Loading to Lake Winnipeg and its Watershed, Our Collective Responsibility and Commitment to Action." All 135 recommendations were accepted in

principle by the Minister of the Manitoba Department of Water Stewardship, on behalf of the Government of Manitoba.

- Maintaining an undisturbed native vegetation area immediately adjacent to the shoreline of lakes, rivers, creeks, and streams helps stabilize banks, provides aquatic and wildlife habitat and protects water quality through filtering overland runoff. The width of an undisturbed native vegetation area should be the widest width possible and practical. In conjunction with other best management practices such as eliminating fertilizer use adjacent to surface waters, and the proper management and disposal of waste water, maintaining an undisturbed native vegetation adjacent to waterbodies is important to help prevent degradation of water quality.

Disposition:

The suggestion that wastewater from the water treatment plant be discharged to the community's wastewater treatment lagoon was briefly considered during the planning stage for the project. In keeping with other filtration treatment systems, it was decided not to waste capacity in the lagoon adding volumes of wastewater containing material that would largely pass through the lagoon in any case. Accordingly the proposed surface discharge concept was developed.

Some comments can be addressed as licence conditions. Comments concerning the Wetland Policy and riparian areas are not relevant to the project, and the project does not involve any activities that would require a Licence to Construct Water Control Works.

Manitoba Infrastructure and Transportation - Highway Planning and Design Branch No concerns.

Canadian Environmental Assessment Agency I have undertaken a survey of federal departments with respect to determining interest in the project noted. I can confirm that the project information provided has been distributed to all federal departments with a potential interest. Based on the responses to the survey the application of the Canadian Environmental Assessment Act (the Act) by a federal authority will not be required for this project. I have enclosed copies of the received responses for your file.

I can confirm that the project information was shared with the Department of Fisheries and Oceans Canada (DFO), the Department of Indian and Northern Affairs (INAC) Health Canada (HC) and Environment Canada as part of the federal coordination process.

HC has determined it can provide expert advice related to human health if a written request is submitted to HC. There is no other federal interest identified for this project.

ADDITIONAL INFORMATION:

No additional information was required to address Technical Advisory Committee comments on the project.

PUBLIC HEARING:

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

RECOMMENDATION:

Comments received on the Proposal can be addressed through licence conditions. 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 Central Region.

PREPARED BY:

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September 3, 2010
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