

## **SUMMARY OF COMMENTS/RECOMMENDATIONS**

**PROPOSER:** Village of St. Lazare  
**PROPOSAL NAME:** Village of St. Lazare Water Treatment Plant Upgrade  
**CLASS OF DEVELOPMENT:** One  
**TYPE OF DEVELOPMENT:** Waste Disposal - Water Treatment Plants (Wastewater)  
**CLIENT FILE NO.:** 5484.00

### **OVERVIEW:**

The Proposal was received on September 16, 2010. It was dated September 15, 2010. The advertisement of the proposal was as follows:

“A Proposal has been filed by Mainstream Water Solutions Inc. on behalf of the Village of St. Lazare for the disposal of wastewater from the St. Lazare water treatment plant in SW 20-17-28W. The existing water treatment plant would be upgraded with the addition of an ozone assisted biofiltration treatment process. Approximately 4.33 m<sup>3</sup>/day of wastewater from the plant would be generated through filter backwashing. This wastewater would contain the constituents from the raw water that were removed during the water treatment process. Wastewater from the upgraded plant would continue to be directed to a drain that flows to an oxbow adjacent to the Assiniboine River. Installation of the proposed new treatment equipment is proposed to take place during the winter of 2010 – 2011, with operation beginning in the spring of 2011.”

The Proposal was advertised in the Shoal Lake Crossroads This Week on Friday, September 24, 2010 and the Russell Banner on Tuesday, September 28 2010. It was placed in the Main, Eco-Network, Millennium Public Library (Winnipeg) public registries and in the office of the Village of St. Lazare as a public registry location. The Proposal was distributed to TAC members on September 24, 2010. The closing date for comments from members of the public and TAC members was October 29, 2010.

### **COMMENTS FROM THE PUBLIC:**

No public comments were received.

**COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:**

**Manitoba Conservation – Sustainable Resource and Policy Management Branch and Land Programs Branch** No concern.

**Manitoba Conservation – Aboriginal Relations Branch** No concerns.

**Manitoba Conservation – Wildlife and Ecosystem Protection Branch** No concerns.

**Manitoba Water Stewardship – Planning and Coordination Branch**

- 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 proponent needs to be informed that erosion and sediment control measures should be implemented until all of the sites have stabilized.

Disposition:

The comment concerning erosion and sediment control measures can be addressed as a licence condition.

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

**Manitoba Local Government – Community and Regional Planning Branch**

Please be advised that I have reviewed the above referenced Environment Act Proposal circulated by your office on September 22, 2010 and am advising your office that I have no land use planning concerns with this project but offer the following comments and observations for your consideration..

I note from the proposal prepared by Mainstream Water Solutions that the proposed water treatment plant upgrade will be developed on the same parcel as the existing water

treatment facility located in Pt. S.W. 20-17-28WPM in the RM of Ellice on land owned by the Village of St-Lazare. A new building on the site has already been constructed to house the new ozone-assisted bio-filtration process equipment which when installed and made operational (scheduled for sometime between December 2010 and March 2011), will enable the Village of St-Lazare's distributed potable water supply to meet all regulatory requirements.

This proposed water treatment plant upgrade does not propose to expand or extend the distributed water supply system in St-Lazare that dates from the 1960's and currently consists of 115 service connections. Based on an estimated current peak demand of 215 cubic meters/day, the new plant will be capable of meeting the potable water needs of existing residents with the upgraded water plant having a design capacity of handling a peak demand of up to 250 cubic meters/day. This represents an estimated 16% reserve available in peak demand available to serve future development. With this limited peak demand reserve, the potable water needs of all future development in the Village should be carefully considered to ensure all existing and future users have sufficient quality and quantity of potable water during peak usage periods. Additional peak demand reserve capacity may be created if the municipality starts metering and charging users for potable water as this would serve to promote potable water conservation and may delay and/or minimize the need for additional potable water system upgrades.

As a final note, please be advised that after the water treatment plant upgrade has been completed, until such time as the municipality's unlicensed wastewater treatment facility is replaced, St-Lazare will be limited in its ability to accommodate new development requiring full services.

### **Manitoba Health – Assiniboine and Brandon Regional Health Authorities**

1. Environmental License clauses should ensure the following are addressed:
  - i. adherence to the Guidelines for Canadian Drinking Water Quality
  - ii. adherence to The Public Health Act Manitoba Regulations 330/88R and to applicable regulations in The Drinking Water Safety Act
    - a) monitoring of local natural drainage slope and oxbox and/or the nearby Assiniboine River should be considered to determine the environmental impact of backwash discharge from the water treatment process
2. The proposal indicates that an ozone-assisted biofiltration process (with ozone destructor units) will be used.
  - i. The OH&S regulations and the National Ambient Air Quality Objectives (NAAQOs) should be adhered to.
  - ii. Do the ambient ozone monitors in the WTP need regular maintenance and monitoring to ensure that they are working appropriately and continue to work appropriately?

3. Other issues:

- i. Will the old WTP be decommissioned? If so, how will this occur. If not, will there be backflow protection?
- ii. The proposal mentions an unlicensed sewage lagoon: does the village plan to address this in the future?

Disposition:

The recommended licence clauses can be used to address the comments noted. The operation of the water treatment plant equipment and adherence to the Canadian Drinking Water Guidelines will be addressed in an approval for the plant pursuant to the Drinking Water Safety Act, administered by Manitoba Water Stewardship. With respect to other issues, the decommissioning of the old water treatment plant can be addressed through a licence condition. The Village's unlicensed sewage facility is being addressed as a separate matter by Manitoba Conservation.

**Canadian Environmental Assessment Agency**

I have undertaken a survey of federal departments with respect to determining interest in the project noted above. 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, the Department of Indian and Northern Affairs and Environment Canada as part of the federal coordination process. No federal interest was 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 Western Region of the Environmental Operations Branch.

PREPARED BY:

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