

SUMMARY OF COMMENTS/RECOMMENDATIONS

PROPONENT: City of Selkirk
PROPOSAL NAME: City of Selkirk Wastewater Treatment Facility
CLASS OF DEVELOPMENT: 2
TYPE OF DEVELOPMENT: Waste Treatment and Storage
CLIENT FILE NO.: 140.40

OVERVIEW:

Manitoba Sustainable Development received a Proposal on March 18, 2016 for the replacement of the City of Selkirk wastewater treatment facility located at 975 Main Street in the City of Selkirk (River Lots 14 and 15, Parish of St. Peters). The replacement includes the construction of a new wastewater treatment facility adjacent to the existing facility on the same property. The new facility will include preliminary treatment, secondary treatment that includes nutrient removal, and ultraviolet disinfection. As with the existing facility, treated wastewater would be discharged to an existing outfall to the Red River. Sludge generated at the new facility would be directed for storage at the existing lagoons on the same property that will continue operating with the new facility. Once the new facility is in operation the existing facility will be decommissioned.

The Department, on April 21, 2016, placed copies of the Proposal in the Public Registries located at Legislative Library (200 Vaughan Street), the Winnipeg Millennium Public Library and online at <http://www.gov.mb.ca/sd/eal/registries/140.4selkirk/index.html> . Copies of the Proposal were also provided to the Technical Advisory Committee (TAC) members. A notice of the Environment Act proposal was also placed in the Selkirk Journal and the Selkirk Record on Thursday, April 21, 2016. The newspaper and TAC notifications invited responses until May 20, 2016.

On June 8, 2016, comments resulting from the review the Public Registries were forwarded for addition to the appropriate Public Registries. A June 8, 2016 letter the Department forwarded comments and requests for additional information to the Proponent. The Proponent responded to the comments and requests for additional information in a letter dated July 12, 2016 that was received on July 25, 2016. The Department distributed the responses to the participating TAC members on August 3, 2016.

On November 3, 2017, the Department received a Notice of Alteration for the City of Selkirk wastewater treatment plant upgrade Environment Act Proposal. The Notice of Alteration involved changes to the treatment process. In a January 15, 2018 supplement, the proponent provided supplementary information for the Notice of Alteration.

COMMENTS FROM THE PUBLIC:

There were no comments from the public.

SUMMARY OF COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

No	Technical Advisory Committee Member	Response Provided
1	Canadian Environmental Assessment Agency	No response
2	Manitoba Agriculture – Land Use Branch	No response
3	Manitoba Sustainable Development –	
	<ul style="list-style-type: none"> • Compliance and Enforcement Branch • Climate Change and Air Quality Branch • Wildlife and Fisheries Branch • Parks and Protected Spaces Branch • Forestry Branch • Aboriginal Relations Branch • Lands Branch • Water Quality Management Section • Groundwater Management Section • Office of Drinking Water • Water Use Licensing Section • Water Control Works Licensing Section • Regional Services Branch 	No response
		No response
		No concerns
		No comments or concerns
		No response
		No response
		See below
		See below
		No response
		See below
		No concerns
		No response
		No response
4	Manitoba Sport, Culture, and Heritage – Heritage Branch	No response
5	Manitoba Innovation Energy and Mines –	No response
	<ul style="list-style-type: none"> • Energy Development Branch • Petroleum Branch 	
6	Manitoba Infrastructure –	No concerns
	<ul style="list-style-type: none"> • Flood Forecasting Branch • Highway Planning and Design Branch 	
7	Manitoba Indigenous and Municipal Relations	See below
8	Manitoba Health, Seniors and Active Living – Environmental Health Unit	No response
9	Manitoba Labour –	No response
	<ul style="list-style-type: none"> • Office of Fire Commissioner • Work Place Safety & Health 	

COMMENTS FROM THE TECHNICAL ADVISORY COMMITTEE:

Manitoba Sustainable Development – Climate Change and Air Quality Branch

Air Quality Section has reviewed the above proposal and provides the following comments:

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

Manitoba Sustainable Development – Lands Branch

Lands Branch – DSD has no comments as regards Selkirk WWTL - File: 140.40 as no Crown lands are impacted by the proposal

Manitoba Sustainable Development – Water Quality Management Section

- Figure S1- Updated Project Implementation Plan, indicates that the funding approval for this project is scheduled for October 2016. However the executive summary indicates that the submission of this EAP was delayed due to funding. Can the proponent indicate if funding has been secured for this project?
- To review the total ammonia limit for this facility, can the proponent please provide monthly (Jan to Dec) effluent values for each of the following parameters pH, Temperature (C), Max Day Flow (m³/s), Max Week Flow (m³/s), Max Month Flow (m³/s), Max Day Total Ammonia (mg/L), Max Week Total Ammonia (mg/L), Max Month Total Ammonia (mg/L).
- The proposal describes a process where biological phosphorus removal will be attained for summer months and chemical dosing will be used in the winter months. As this will produce two (2) different biosolid products, care should be taken to ensure a representative sample is collected for chemical analysis when determining a land application rate. Can the proponent comment on the possibility storing, to allow for sludge stabilization, the different biosolid products separately?
- 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.

July 12, 2016 – Proponent Responses

- Funding has not yet been secured; however, the proponent has been advised that approval is imminent.
- Please refer to the attached Table 1: Predicted Effluent Values for the Selkirk WWTF:

Table 1: Predicted Effluent Values for the Selkirk Wastewater Treatment Facility

Month	Flow, L/s			Total Ammonia, mg N/L			pH	Temperature, °C
	Max day	Max Week	Max Month	Max day	Max Week	Max Month		
January	138.9	86.8	81.4	15	10	5	8.5	13
February	138.9	86.8		15	10		8.5	13
March	289.4	151.3		15	10		8.5	10
April	289.4	158.4		15	10		8.5	11
May	289.4	158.4		15	10		8.5	14
June	289.4	158.4		15	10		8.5	17
July	289.4	158.4		15	10		8.5	19
August	289.4	158.4		15	10		8.5	20
September	289.4	158.4		15	10		8.5	19
October	289.4	158.4		15	10		8.5	17
November	138.9	86.8		15	10		8.5	15
December	138.9	86.8		15	10		8.5	14

- The plan for biosolids storage and stabilization anticipates utilizing the existing storage basins in a sequential manner. When each basin reaches capacity, the biosolids will be directed to the next basin in the series. It is anticipated that under this operating method, each basin will contain some biosolids containing coagulant. It is considered impractical to operate the waste activated sludge pumping system and storage pond systems in a manner that would separate the two types of biosolids. The stabilized biosolids will be tested prior to land application, and appropriate application rates established.
- This is a reasonable request.

August 17, 2016

- Water Quality Management Section recommends the following effluent standards be in place for the City of Selkirk wastewater treatment facility as per the Manitoba Water Quality Standards, Objectives and Guidelines Regulation (196/2011).
 - BOD₅ 25 mg/L
 - TSS 25 mg/L
 - Fecal Coliforms 200 MPN / 100mL
 - Total phosphorus <1 mg/L
 - Total nitrogen 15 mg/L
 - Ammonia nitrogen (as N) limits:

Period	Ammonia Nitrogen (as N) (kg/any 24 hour period)
January	6231
February	6695
March	10720
April	19819
May	11802
June	6514

July	3994
August	2217
September	2720
October	2400
November	3406
December	3567

Disposition:

The draft Licence includes the recommended limits.

Manitoba Sustainable Development – Office of Drinking Water

As the Red River north of Selkirk is not used as a raw water source of any public or semi-public water system, Office of Drinking Water has no concerns with the above noted EAP or proposed project respecting drinking water quality or safety.

Manitoba Sustainable Development – Water Control Works 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/officer_areas_of_focus_30mar2015.pdf

July 12, 2016 – Proponent Responses

- The requirements of the Water Rights Act are understood and the City will implement any upgrading of site drainage systems in accordance with this Act. No significant changes to the existing site drainage facilities are anticipated at this time.

Disposition:

This comment was shared with the Technical Advisory Committee representative and no additional comments were returned. Commonly used related Licence conditions have been included in the draft Environment Act Licence.

Manitoba Indigenous and Municipal Relations – Community and Regional Planning

The *Proposal* indicates that the City of Selkirk is proposing to replace its existing Waste Water Treatment Facility, located at 975 Main Street in the City of Selkirk, to a site located immediately adjacent to the facility, accessible off PR 320.

The following information is submitted:

The *Proposal* is located within the municipal jurisdiction of the City of Selkirk. The development site is designated *Industrial* under the Planning District's Development Plan and is zoned "M2" *Heavy Industrial Zone* under the City of Selkirk Zoning Bylaw. The proposed development is in compliance with these Bylaws.

The content of the *Notice of Environment Act Proposal* and *Project Description* (page 8) both indicate that the proposed facility and existing facility are on the same site. Our review shows that the proposed facility is to be constructed on a separate land locked parcel of land.

We acknowledge that:

- The existing facility is situated on Lot 1, Plan 14581 WLTO as described on Certificate of Title No G22190/ Roll 269770, owned by the City of Selkirk;
- The proposed facility is shown to be adjacent to the existing facility on Lot 4, Plan 14581 WLTO as described on CT 2612953/ Roll 269800, also owned by the City of Selkirk, purchased Aug 2012.

- Access to the new facility on Lot 4 will be off PR 320 over the driveway developed on Lot 1.
- As specified in the *Notice* and *Proposal*, the existing facility is to be decommissioned when the new facility is operational;
- Although both Titles are owned by the City of Selkirk, a subdivision to add land from Lot 4 (including the proposed development site) to existing Lot 1 would ensure one enlarged Lot with direct frontage and legal access onto PR 320.
- *A second option to resolve the land locked status would be a Right-of-Way Agreement for legal access over Lot 1 to Lot 4 being registered against both Titles.*
- *A third option is to consolidate both Titles which would have the lagoons and WWTF's all on one Title.*

For reference purposes:

The *Proposal* is in compliance with the following sections, applicable under the "M2" zone of the ZBL :

Public Facility and **Public Utility (with no outside storage)** are both regarded as a permitted use in the M2 Zone with a site area of 10,000 sq ft. as per *Table 17 Industrial Bulk Table*;

Public Utility (with outside storage) is regarded as a Conditional Use.

Section 3.26 Public Utility

Section 3.26.1 Public Utility, Services

Any building, structure or use shall be in compliance with yard and coverage requirements applicable to the zone.

Section 3.26.2

A site area, site width, site depth or required yard below the minimum requirements of this By-law by virtue of a public works, street or public utility shall be deemed to conform to the requirements of the Bylaw

Under *The Planning Act, Regulation 137/2006* Schedule B.4(b) where land is proposed to be subdivided, every lot must have frontage onto a Public Road.

July 12, 2016 – Proponent Responses

- The suggestion is reasonable and the City will take this advisement.

Disposition:

This comment was shared with the Technical Advisory Committee representative and no additional comments were returned. Commonly used related Licence conditions have been included in the draft Environment Act Licence.

PUBLIC HEARING:

A public hearing is not recommended.

CROWN-INDIGENOUS CONSULTATION:

The Government of Manitoba recognizes that it has a duty to consult in a meaningful way with Indigenous communities when any proposed provincial law, regulation, decision or action may infringe upon or adversely affect the exercise of the Indigenous rights of that community.

The existing and proposed components of the wastewater treatment facility are and will be located on a parcel of land that is owned by the City of Selkirk. The proposed new components will be located immediately adjacent to existing wastewater treatment facility components, some of which will be decommissioned, re-commissioned or demolished. There would be no infringement of Indigenous rights under Section 35 of the Constitution Act, 1982. Therefore, it is concluded that Crown-Indigenous consultation is not required for the project.

RECOMMENDATION:

The Proponent should be issued a Licence for the construction and operation of a wastewater treatment facility in accordance with the specifications, terms and conditions of the attached draft Licence. Enforcement of the Licence should be assigned to the Environmental Compliance and Enforcement Branch of Manitoba Sustainable Development upon approved commissioning of the wastewater treatment facility.

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