

Rural Municipality of St. Clements – East Selkirk Water System Upgrade File: 6114.00

The attached information can be placed in the public registry for the above project:

Request for additional information: additional information not required.

Public comments on Environment Act Proposal: no public comments received.

Technical Advisory Committee comments on Environment Act Proposal: (11 pages)

Manitoba Conservation and Climate – Environmental Compliance and Enforcement Branch, July 19, 2021

Manitoba Conservation and Climate – Office of Drinking Water, June 23, 2021

Manitoba Conservation and Climate – Drainage and Water Rights Licensing Branch, Water Use Licensing, June 25, 2021

Manitoba Agriculture and Resource Development – Wildlife and Fisheries Branch, Wildlife, July 26, 2021

Manitoba Agriculture and Resource Development – Forestry and Peatlands Branch, July 24, 2021

Manitoba Agriculture and Resource Development – Water Branch, Water Quality Management, June 30, 2021

Manitoba Agriculture and Resource Development – Water Branch, Groundwater Management, July 30, 2021

Manitoba Sport, Culture and Heritage - Historic Resources Branch, July 16, 2021

Manitoba Municipal Relations, Community Planning Branch, July 29, 2021

Manitoba Infrastructure – Environmental Services and Consultation, July 27, 2021

Bruce Webb, P. Eng.

Senior Environmental Engineer

Environmental Approvals Branch

Manitoba Conservation and Climate

Bruce.Webb@gov.mb.ca / Tel: 204-945-7021

1007 Century Street, Winnipeg, MB R3H 0W4

To report an environmental emergency please call the 24/7 Emergency Response Line at 204-944-4888 or 1-855-944-4888.

DATE: July 19, 2021

Client File No.: 6114.00

TO: Webb, Bruce
Conservation and Climate
Environmental Approvals
1007 Century St
Winnipeg MB R3H 0W4

FROM: Innes, Kris
Conservation and Climate
Environmental Compliance and
Enforcement Branch
Lower Level, 446 Main St
Selkirk MB R1A 1V7
P: (204) 485-5643

SUBJECT: Environment Act Proposal – East Selkirk Water System Upgrade

Manitoba Sustainable Development, Environmental Compliance and Enforcement Branch has reviewed the above noted Notice of Alteration, and submit no concerns at this time.

From: +WPG530 - Drinking Water - Environmental (CC)
Sent: June-23-21 2:10 PM
To: Webb, Bruce (CC)
Cc: Barlishen, Kim (CC) ; Gorcharan, Anjanie (CC) ; Vitt, Cory (CC)
Subject: RE: Request for review/comment by August 1, 2021: RM of St. Clements - East Selkirk Water System Upgrade File: 6114.00

Hello:

Bruce Webb, P.Eng., Environmental Approvals Branch;
CC: Kim Barlishen, P.Eng., Senior Approvals Engineer, Office of Drinking Water;
CC: Anjanie Gorcharan, Drinking Water Officer assigned to East Selkirk, Office of Drinking Water;

The Office of Drinking Water has the following comments:

Permit to Construct or Alter a Public Water System for the Office of Drinking Water (ODW) will have to be submitted.

Construction should follow Manitoba Water Services Board (MWSB) standards.

Office of Drinking Water (ODW)

(Notice: due to COVID, I will be working out-of-office, and expect potential delays in responses and processing times. Thanks.)

Cory Vitt, CMMA M.Eng. P.Eng.

(pronouns: they/them/he/him; please don't use "Mr. Vitt")

Approvals Engineer

Office of Drinking Water

Department of Conservation and Climate

1007 Century Street

Winnipeg, Manitoba R3H 0W4

Phone: 204-806-1363

Fax: 204-945-1365

Email: Cory.Vitt@gov.mb.ca

From: Wiseman, Kylene (CC)
Sent: June-25-21 2:45 PM
To: Webb, Bruce (CC)
Cc: Hay, David (CC)
Subject: FW: Request for review/comment by August 1, 2021: RM of St. Clements - East Selkirk Water System Upgrade File: 6114.00

Good afternoon Bruce,

The Water Use Licensing Section of the Drainage and Water Rights Licensing Branch requires that an application be submitted to amend the existing Water Rights Licence. The proposal states that they are aware of this requirement.

Thank you,

Kylene Wiseman

Drainage and Water Rights Licensing Branch
Conservation and Climate
Kylene.Wiseman@gov.mb.ca
Box 16 - 200 Saulteaux Crescent Winnipeg MB R3J 3W3

Facts are key in the fight against COVID-19, visit **[Manitoba.ca/covid-19](https://manitoba.ca/covid-19)**

From: Kiss, Brian (ARD)
Sent: July-26-21 1:19 PM
To: Webb, Bruce (CC)
Subject: RE: Request for review/comment by August 1, 2021: RM of St. Clements - East Selkirk Water System Upgrade File: 6114.00

No wildlife related concerns.

-Brian Kiss

From: Porteous, Marianne (ARD)
Sent: June-24-21 11:09 PM
To: Webb, Bruce (CC)
Subject: RE: Request for review/comment by August 1, 2021: RM of St. Clements - East Selkirk Water System Upgrade File: 6114.00

Hello,

No concerns from the Forestry and Peatlands Branch.

Marianne

DATE: June 30, 2021

TO: Bruce Webb
Environmental Approvals Branch
1007 Century St, Winnipeg, MB
R3H 0W4

cc.

FROM: Joy Kennedy
Water Quality Management Section
Manitoba Agriculture and Resource
Development
Box 14, 200 Saulteaux Crescent
Winnipeg, Manitoba R3J 3W3
PHONE NO.: 204-945-7908

SUBJECT: RM OF ST. CLEMENTS – EAST SELKIRK WATER SYSTEM UPGRADE FILE:
6114.00

- The proponent indicates that water quality samples were collected from Cooks Creek. It is recommended the proponent be requested to recalculate and reassess Table 3.4 Combined Flow Concentrations applicable parameters using ten (10) years Cooks Creek data collected from upstream water quality station MB05JS006 (data provided in excel sheet).
- 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.

Sincerely,

Joy Kennedy



DATE: July 30, 2021

Memorandum

TO: Bruce Webb, *P.Eng*
Environmental Approvals Branch

FROM: Zijian Wang, *M.Sc., E.I.T.*
GW Management Section
Water Science & Watershed
Management Branch

PHONE: 431-374-4243

FILE: GWM-5.07.04.02

Re: Environment Act Proposal RM of St. Clements – East Selkirk Water System Upgrade

As requested, I have reviewed the proposal entitled “Environment Act Proposal RM of St. Clements – East Selkirk Water System Upgrade”, dated May 2021.

Section 2.1/Figure 2.1:

- Excavation and drilling for the pipeline installation may intercept shallow perched groundwater depending on the groundwater levels and the depth of excavation. Fuel and waste deposits associated with construction and excavation may require immediate response and monitoring groundwater quality.

Section 2.1.1/Figure 2.2:

It is reported that “it is evident that the Red River is acting as a constant head boundary in many cases through the area” and “the Red River is running directly on the surface of the carbonate aquifer, and there is a significant connection with groundwater”

- If the Red River is acting as a constant head boundary and running directly on the surface of the aquifer, why there is 5 feet of predicted drawdown on the Red River? Does this mean the river level will have 5 feet decline due to the proposed pumping rate? Or, this is due to the imbalance between the river-aquifer influent rate and the proposed pumping rate at steady state? How was this implemented in the Theis equation?
- Based on the GWDrill database, it is inferred that there are more than 600 wells including over 100 active wells found within the predicted well field with drawdown greater than 5 feet. Potential impacts of the proposed supply wells to the neighboring well water use to be assessed. A mitigation plan is required for water users within the well field which may be impacted by the proposed water supply wells.

Shown on Figure 2.2, "Future Discharge to Red River: a future discharge location is to be installed northwest of Hwy 509. As this discharge location has year-round flow, this future discharge option is seen as a long-term permanent solution"

- Identification of the interaction of the Red River to aquifer to be in place to understand the direct and long term impact of the concentrate discharge to the groundwater quality of both sides of the river.

Section 4.5

- More continuous groundwater elevation monitoring in the vicinity of East Selkirk to determine impacts and extent impacts.

Appendix B

- Potential impact of the proposed water supply wells to the movement of the boundary of fresh and saline groundwater to be assessed.

Please be advised that the review with respect to groundwater conditions is completed based on the information provided by the Consultants. The comments, conclusions & recommendations of the reviewer are solely based on the information provided by others and the Department cannot guarantee that the information that has been provided by others is accurate or complete.

If you have any question regarding the above comments and recommendations, do not hesitate to contact the undersigned.

Zijian Wang
Aquifer Sustainability Hydrogeologist

From: +WPG574 - HRB Archaeology (SCH)

Sent: July-16-21 3:46 PM

To: Webb, Bruce (CC)

Subject: RE: Request for review/comment by August 1, 2021: RM of St. Clements - East Selkirk Water System Upgrade File: 6114.00

Hi Bruce,

The Archaeological Assessment Services Unit (AASU) has finished its review of the proposed water system upgrade for heritage resources.

Concerns

The Archaeological Assessment Services Unit (AASU) has reviewed Environmental Act Proposal (EAP) 6114.00 for potential heritage resource concerns. There are concerns with the current proposed plan to impact known and potential heritage resource sites. The proposed water treatment pipelines discharge locations at Cooks Creek and the Red River are in close proximity to known Fur Trade era burials and Pre-European Contact Indigenous campsites. Additionally, the identified 12 km water pipeline to connect to the proposed Lockport Reservoir, overlaps with known archaeological sites as well as human burials and burial mounds associated the Indigenous occupation present at Lockport Heritage Provincial Park. These factors, to name a few, suggest that any planned development within the area has the potential to impact heritage resources, therefore, the Historic Resources Branch has concerns with the project at this time.

Legislation

Under Section 12(2) of *The Heritage Resources Act*, if there is reason to believe that heritage resources or human remains are known, or thought likely to be present, on lands that are to be damaged or destroyed by reason of any work, activity, or project that is being proposed to carried out, then the proponent is required to conduct at his/her own expense, a heritage resource impact assessment (HRIA) and mitigation, if necessary, prior to the project's start.

The developer must contract a qualified archaeological consultant to conduct a Heritage Resources Impact assessment (HRIA) of the proposed development location, in order to identify and assess any heritage resources that may be negatively impacted by development. If desirable, the Branch will work with the developer/land owners and their consultant to draw up terms of reference for the project.

Outlet Locations - HRIA Expectations

1. Subsurface testing of the outlet location at Cooks Creek location and monitoring of ground disturbance activities during construction to identify and mitigated impacts to heritage resources at this location.
2. Subsurface testing of the outlet location at Red River location and monitoring of ground disturbance activities during construction to identify and mitigated impacts to heritage resources at this location.

Proposed Lockport Reservoir and 12 km Water Pipeline - Recommendations

The development footprint of the identified reservoir and water pipeline directly overlap with a known Indigenous burial ground associated with the Lockport Heritage Provincial Park.

The AASU **strongly recommends complete avoidance** of any development in the vicinity of known burial locations and other heritage resource sites on the west side of the Red River Floodway, near the Lockport Heritage Provincial Park. The AASU also recommends that the development footprint be moved to the east side of the Red River Floodway, away from the area of concern and resubmitted to the AASU for heritage resource review.

Other Recommendations

Please Implement an HRPP for this Project.

The AASU recommends a heritage resource protection plan (HRPP) be included in planning and construction in the event heritage resources (including human remains and palaeontological resources) are accidentally encountered. The HRPP consists of operational procedures to limit damage or destruction of heritage resources accidentally found during site work. This document assists informing managers, employees, contractors on what to do and whom to call should heritage resources accidentally be encountered when testing and development is underway on site.

Please find attached a Heritage Resources Protection Plan (HRPP) template that proponents/contractors/operators can use as a guide, as well as a fact sheet outlining the legal provisions involving found human remains.

Reid Graham

Impact Assessment Archaeologist
Historic Resources Branch | Manitoba Sport, Culture and Heritage
213 Notre Dame Avenue, Main Floor | Winnipeg, MB | R3B 1N3
Reid.Graham@gov.mb.ca
t. 204.945.2118

**Municipal Relations
Community Planning Branch**

DATE: July 29, 2021

TO: Bruce Webb
Senior Environmental Engineer
Environmental Approvals Branch
Manitoba Conservation and Climate
1007 Century Street
Winnipeg MB R3H 0W4

FROM: Larissa Sveinson
A/Regional Manager
Community Planning Branch
Municipal Relations
103-235 Eaton Avenue
Selkirk, MB R1A 0W7

PHONE NO: 204-268-6131

**SUBJECT: Environment Act Proposal Review – File 6114.00
RM of St. Clements – East Selkirk Water System Upgrade**

On behalf of Municipal Relations, I have reviewed this Environment Act Proposal for a proposed upgrade to the East Selkirk Water System in the R.M. of St. Clements.

Community Planning has no concerns with the Environment Act Proposal (File 6114.00).

Thank you for the opportunity to review.

Sincerely,

Larissa Sveinson
Regional Manager

From: +WPG969 - MIT Environmental Services Section (MI)
Sent: July-27-21 6:56 AM
To: Webb, Bruce (CC)
Subject: RE: Request for review/comment by August 1, 2021: RM of St. Clements - East Selkirk Water System Upgrade File: 6114.00

Good morning,

Please see following comments from:

MI Capital Regional Operations:

Review and approval will be required from the Region for any works or pipe installations within MI highway right of way prior to construction.
The application can be found at:

<https://www.gov.mb.ca/mit/hpd/utilities.html>

MI Roadside Development and Access Management:

If response to your request for review of this proposal, we would like the following conditions of approval.

- Review and approval will be required from the Region for any works or pipe installations within MI highway right of way of PR 204, PR 212, and PR 509 prior to construction.
The application form of utilities permissions can be found online at: [Highway Planning and Design | Manitoba Infrastructure | Province of Manitoba \(gov.mb.ca\)](#)
- A permit is required from Manitoba Infrastructure for any work done with the controlled areas of PR 204, PR 212, and PR 509. Under the Transportation Infrastructure Act, permits are required from Manitoba Infrastructure to:
 - Construct, modify, relocate or intensify the use of an access onto a provincial highway.
 - Construct, modify or relocate a structure or sign, or change or intensify the use of an existing structure (including the alteration of existing buildings) within the **38.1 metres** controlled area.
 - Place any trees or plantings within **15 metres** of the edge of the highway right-of-way.

Permit requirements outlined above have been simplified to provide some basic guidelines.

The application form for accesses to or structures adjacent to a provincial highway can be submitted online or by mail to Manitoba Infrastructure's Highway Design Branch in Winnipeg.

Please note, we are not accepting in-person applications at this time due to COVID-19.

Online: <https://forms.gov.mb.ca/highway-permits/>
(This electronic form will only accept credit card payment.)

By mail:

Please forward completed application form to our office in Winnipeg (1420 – 215 Garry Street, Winnipeg, MB R3C 3P3) along with the following information:

1. Application fee (cheques made payable to the Minister of Finance). See attached list of fees.
2. A copy of the current land title certificate.
3. A sketch of the affected property showing the locations and details of proposed construction, removal and/or tree planting including all existing access, structures, etc.
4. A copy of subdivision conditional approval if subdivision is involved .
5. A copy of declaration of right-of-way agreement if declaration of right-of-way is applied for.

Further details on permits for development including accesses, structures and signage adjacent to provincial highways are available at <https://www.gov.mb.ca/mit/hpd/permits.html>

Application will not be processed until ALL information is submitted.

MI Water Management, Planning and Standard:

The proposed pipeline to Lockport Reservoir crosses the Red River Floodway. The Red River Floodway is a designated Provincial Waterway under the Water Resource Administration Act. The proposed pipeline will need to be authorized by MI under the Water Resource Administration Act. We are currently working with the Applicant and are reviewing their proposed pipeline where it crosses the Red River Floodway.

We have no other concerns with this proposal.

Thank you very much for the opportunity to review and comment.