

Webb, Bruce (CWS)

To: Steele, Tania (CWS)
Subject: Town of Manitou Water Treatment Plant and Raw Water Pipeline Upgrade File: 5667.00

The attached material can be placed in the public registries for the above project:

Request for additional information: No additional information required.

Public Comments on the Environment Act Proposal: No public comments received.

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

Manitoba Conservation and Water Stewardship – Watersheds and Protected Areas Branch and Lands Branch, October 31, 2013

Manitoba Conservation and Water Stewardship – Parks and Natural Areas Branch, October 18, 2013

Manitoba Conservation and Water Stewardship – Wildlife Branch, October 17, 2013

Manitoba Conservation and Water Stewardship – Water Science and Management Branch, Water Quality Management Section, October 8, 2013

Manitoba Conservation and Water Stewardship – Fisheries Branch, November 3, 2013

Manitoba Conservation and Water Stewardship – Office of Drinking Water, October 31, 2013

Manitoba Conservation and Water Stewardship – Water Use Licensing Section, September 26, 2013

Manitoba Conservation and Water Stewardship – Water Control Works and Drainage Licensing Section, October 15, 2013

Manitoba Infrastructure and Transportation – Highway Planning and Design Branch, Environmental Services Section, October 4, 2013

Canadian Environmental Assessment Agency, September 27, 2013

Bruce.

Webb, Bruce (CWS)

From: Kaita, Adara (CWS) on behalf of +WPG1212 - Conservation_Circulars (CWS)
Sent: October-31-13 3:59 PM
To: Webb, Bruce (CWS) BW
Subject: EA Proposals - R.M of Pembina - File: 5666.00 AND Town of Manitou - File: 5667.00

Hello Bruce,

The Watersheds and Protected Areas Branch and the Larids Branch have no concerns.

Thanks for the opportunity for review,

Adara Kaita

Crown Land Programs and Policy Manager
Conservation and Water Stewardship
Box 25, 200 Saulteaux Crescent
Winnipeg, MB R3J 3W3
Cell: (204) 945-6301
F: (204) 948-2197

Webb, Bruce (CWS)

Subject: FW: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND
Town of Manitou File: 5667.00

From: Kelly, Jason (CWS)

Sent: October-18-13 3:10 PM

To: Webb, Bruce (CWS)

BW

Subject: RE: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND Town of Manitou File:
5667.00

Parks and Natural Areas Branch has reviewed the Formal Request for Comments for the Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND Town of Manitou File: 5667.00 The Branch has no comments to offer as this does not impact any parks or ecological reserves.

Jason Kelly, M.N.R.M.
Ecological Reserves and Protected Areas Specialist
Parks and Natural Areas Branch
Conservation and Water Stewardship
Box 53, 200 Saulteaux Cres
Winnipeg, MB R3J 3W3

Phone: 204-945-4148
Cell:
Fax: 204-945-0012

Email: Jason.Kelly@gov.mb.ca

Webb, Bruce (CWS)

Subject: FW: Proposal review due Nov. 1 - 5666 (RM of Pembina) and 5667 Manitou

From: Roberts, Dave (CWS) BW
Sent: October-17-13 2:13 PM
To: Boissonneault, Caroline (CWS)
Subject: RE: Proposal review due Nov. 1 - 5666 (RM of Pembina) and 5667 Manitou

As with the RM of Cartier (Headingley) Water Treatment Plant draft licence, the following conditions would be appropriate for these licences as well

15. The Licencee shall not, during construction and operation of the Development, remove, destroy or disturb species listed as rare, endangered, or of special concern, or their habitats. These species are listed in *Manitoba Regulation 25/98* respecting *Threatened, Endangered and Extirpated Species* or any future amendment thereof, and in the federal Species at Risk Act.

18. The Licencee shall, during construction and maintenance of the Development, prevent the introduction and spread of foreign aquatic and terrestrial biota by cleaning equipment prior to its delivery to the site of the Development.

The Central Region Wildlife Section has no further suggested licence conditions.

Dave Roberts
Wildlife Lands & Habitat Specialist
Conservation and Water Stewardship
Wildlife Branch
Box 6000
Gimli
ph. 204-642-6078

Date: 8 October 2013

To: Bruce Webb P. Eng. *BW*
Water Development and Control
Assessment Officer
Climate Change and Environmental
Protection Division
Environmental Approvals Branch
123 Main Street, Suite 160
Winnipeg MB R3C 1A5

Memorandum

From: Kevin Jacobs M.Sc.
Water Quality Management Section
Manitoba Conservation and Water
Stewardship
123 Main Street, Suite 160
Winnipeg MB R3C 1A5

<http://www.gov.mb.ca>

Subject: **FILE 5666.00 AND 5667.00**
RM OF PEMBINA AND TOWN
OF MANITOU WATER
SUPPLY PROJECT

Telephone: 204-945-4304
Facsimile: 204-948-2357
E-Mail: Kevin.Jacobs@gov.mb.ca

Hello Bruce

On behalf of the Water Quality Management Section please find comments regarding files 5666.00 and 5667.00 Rural Municipality of Pembina and Town of Manitou Water Supply projects.

It is noted that estimated water required to meet demand with the new water treatment plant and additional water service connections will be approximately triple the current allocated volume. Some confirmation that sufficient capacity exists within the reservoir for the estimated demand and that additional water taking will not result in adverse effects on biota within the reservoir and downstream Mary Jane Creek would be helpful.

It is noted that highly mineralized reject water will be pumped to existing lime settling ponds which will be expanded. Effluent will be released twice per year. While 'Appendix G' provides some projection of reject quality it does not provide data on all chemical constituents that could be of concern. For example data provided in Appendix H shows both total nitrogen and phosphorus in raw water to be at sufficient concentrations to promote frequent and excessive blooms of algae in surface water. It is anticipated the reverse osmosis system would likely further concentrate these constituents thus it is recommended that the holding cells be designed, constructed and managed to maximize nutrient assimilation and removal. Further it is recommended that discharge from the holding cells meet a discharge limit of a maximum of 1.0 mg/L total phosphorus.

It is also recommended that a license require some initial monitoring of additional parameters from discharge from the holding cells. Such analysis should include dissolved ions identified in Appendix G as well as total and dissolved phosphorus, nitrate, ammonia, dissolved and total nitrogen and a complete scan of metals and metalloids.

Should you have any questions, please do not hesitate to contact me at the above telephone number.

Kevin Jacobs

Water Quality Management

Webb, Bruce (CWS)

Subject: FW: EAP 5667.00 Town of Manitou WTP upgrades due Nov 1 2013

From: Janusz, Laureen R (CWS)
Sent: November-03-13 8:04 PM
To: Webb, Bruce (CWS) BW
Cc: Long, Jeff (CWS); Klein, Geoff (CWS)
Subject: EAP 5667.00 Town of Manitou WTP upgrades due Nov 1 2013

Hi Bruce,

Fisheries Branch has reviewed this proposal to upgrade the Town of Manitou WTP. As per the advertisement description the proposal includes the:

construction and operation of a new raw water pipeline from the Mary Jane Reservoir northwest of Manitou to the Town, and for the construction and operation a new filtration water treatment plant adjacent to the current plant. The new plant would use a combination of ultrafiltration and reverse osmosis treatment to treat the water, with reject water being discharged through holding ponds to Mary Jane Creek, which flows to the Pembina River. The new plant would have a raw water capacity of 14 litres per second, and a treated water capacity of 10.5 litres per second.

The Town will need to amend their Water Rights Licence increasing the total quantity of water to be used in one year from 117.19 cubic decameters to 138 cubic decameters and increasing the pumping rate from 5 L/s to 14 L/s. The proponent indicates using horizontal directional drilling to install the pipeline at the drain and river outlets.

Fisheries Concerns:

It would appear from the information that has been provided that the proposed mitigation, which typically are included as licence clauses, should address many fisheries concerns. We'd like to see a clause requiring adherence to DFO's direction drilling operational statement. While the reject and membrane concentrate is being discharged to sludge ponds prior to discharging to a 1st order drain which enters Mary Jane creek as Mary Jane Creek is fish bearing we would be supportive of a monitoring clause as TDS, chloride and a few other parameters are considerably higher than background. The proponents indicate discharging from the sludge ponds twice per year. Will the discharge window be similar to the typical effluent discharge window of June 15th to October 31st?

We would also request a clause to address minimizing the spread of aquatic and terrestrial invasive species. The following or a re-iteration has been included in other licences.

The Licencee shall, during construction and maintenance of the Development, prevent the introduction and spread of foreign aquatic and terrestrial biota by ensuring all equipment, including transport equipment, is clean before use at each location.

Thanks Bruce.

Laureen Janusz
Fisheries Science and Fish Culture Section
Fisheries Branch,
Manitoba Conservation and Water Stewardship

Box 20, 200 Sauteaux Crescent
Winnipeg, MB R3J 3W3

Phone: 204.945.7789

Cell: 204.793.1154

Fax: 204.948-2308

Email: Laureen.Janusz@gov.mb.ca

Webb, Bruce (CWS)

From: Stibbard, James (CWS)
Sent: October-31-13 11:36 AM
To: Webb, Bruce (CWS) BW
Subject: Re: 5667.00 Town of Manitou New Water Treatment Plant EAP

Mr. Webb,

I reviewed the above noted EAP. The Owner of this project will have to apply for and get a Permit to Construct or Alter a Public Water System from Office of Drinking Water before beginning construction of the work. Beyond this point, I found no other cause for concern respecting drinking water safety with the EAP or proposed work.

If you have any questions, please call.

Regards,

James Stibbard P. Eng.
Approvals Engineer
Office of Drinking Water
1007 Century Street
Winnipeg MB R3H 0W4
phone: (204) 945-5949
fax: (204) 945-1365
email: James.Stibbard@gov.mb.ca
website: www.manitoba.ca/drinkingwater

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Webb, Bruce (CWS)

Subject: FW: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND
Town of Manitou File: 5667.00

From: Matthews, Rob (CWS)

Sent: September-26-13 3:58 PM

To: Webb, Bruce (CWS) *BW*

Subject: RE: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND Town of Manitou File:
5667.00

No comments or concerns from the Water Use Licensing Section.

Rob Matthews, Manager, WULS.

Webb, Bruce (CWS)

From: Roberts, Dan (CWS)
Sent: October-15-13 8:31 AM
To: Webb, Bruce (CWS) BW
Subject: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND Town of Manitou File: 5667.00

On behalf of the *Water Control Works and Drainage Licensing Section*, there are no concerns.

Please remind the proponent that all water control works require licensing under the *Water Rights Act*. 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

Licensing of yard and field approaches (access points) are the responsibility of either the municipality, or *Manitoba Infrastructure and Transportation*, whichever is applicable.

The drainage and/or alteration of permanent and semi-permanent wetlands is not permissible under the *Water Rights Act*.

Thank You.

Dan Roberts

Water Resource Officer
Water Control Works and Drainage Licensing Section
Conservation and Water Stewardship
Box 640, 201 Fourth Ave. S., Swan River, MB R0L 1Z0
Cell: (204) 281-2122, Fax: 734-3733

Manitoba



Infrastructure and Transportation
Highway Planning and Design Branch
Environmental Services Section
1420 - 215 Garry St., Winnipeg, MB R3C 3P3
T (204) 618-4359 F (204) 945-0593

October 4, 2013

Blw
Tracey Braun, M. Sc.
Director, Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
123 Main St., Suite 160
Winnipeg, MB R3C 1A5

RE: RM of Pembina
Water Supply System Expansion
Client File No. 5866.00

Town of Manitou
WTP and Raw Water Pipeline Upgrades
Client File No. 5867.00

Dear Ms. Braun:

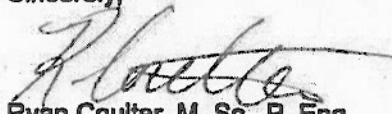
MIT has reviewed the proposal noted above and while we do not have concerns with the development as proposed, we would like to offer the following reminders:

- The proposed project may require a permit from the MIT for any new, modified or relocated access connection onto any provincial road or highway. A permit may also be required for:
 - any construction, above or below ground level, within 38.1 m (125 ft) from the edge of the right of way of any provincial road or highway;
 - any plantings within 15.2 m (50 ft) from the edge of the right of way of any provincial road or highway; or
 - discharge of water or other liquid materials into the ditch of any provincial road or highway.
- Should any of the water/sewer lines cross under or within the right of way of any provincial road or highway, an agreement with MIT will be required.

For further information on permit application and utility agreements, please contact Wes Turk at Wes.Turk@gov.mb.ca.

Thank you very much for providing us the opportunity to review the proposal.

Sincerely,


Ryan Coulter, M. Sc., P. Eng.
Manager of Environmental Services

Manitoba
spirited energy

Webb, Bruce (CWS)

Subject: FW: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND
Town of Manitou File: 5667.00

From: Sigurdson,Shauna [CEAA] [<mailto:Shauna.Sigurdson@ceaa-acee.gc.ca>]

Sent: September-27-13 4:34 PM

To: Webb, Bruce (CWS) *BW*

Subject: RE: Request for comments due November 1, 2013 - R.M of Pembina File: 5666.00 AND Town of Manitou File:
5667.00

We have reviewed the proposal. These projects will not be subject to CEAA 2012 so the Agency will not be providing any comments.

Shauna