

Webb, Bruce (CWS)

Subject: RM of Pembina Rural Water Supply System Expansion File: 5666.00

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 BW
To: Webb, Bruce (CWS)
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 Lands 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 Sauiteaux 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 *BW*

To: Webb, Bruce (CWS)

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 (Headingly) 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 5666.00 RM of Pembina Rural Water Supply Expansion due Nov 1 2013

From: Janusz, Lauren R (CWS)
Sent: November-03-13 6:58 PM *BW*
To: Webb, Bruce (CWS)
Cc: Long, Jeff (CWS); Klein, Geoff (CWS)
Subject: EAP 5666.00 RM of Pembina Rural Water Supply Expansion due Nov 1 2013

Hi Bruce,

Fisheries Branch has reviewed this proposal to install, as per the advertisement description, approximately 69 km of distribution pipeline varying in size from 150 mm to 50 mm. The pipeline would be installed in municipal and provincial road rights-of-way. Water for the system would be provided by the Town of Manitou's water treatment plant. This facility is undergoing upgrades and will require an amendment to their current Water Rights Licence. The proponents indicate there will be four waterway crossings, involving Little Pembina and Deadhorse Creeks and tributaries, associated with the proposed pipeline. They indicated that horizontal directional drilling will be used at all watercourse crossings containing water. The proponents also indicate that the excavation required to introduce the drilling equipment will occur outside of the riparian zones.

Fisheries Concerns:

It would be appreciated if a table could be provided which identifies all the watercourse crossings (intermittent or perennial), the proposed method to cross the watercourses along with a corresponding map that clearly shows where they are. It would appear from the figure provided of the pipeline route that there are more than four watercourses and while they indicate horizontal directional drilling for any crossings containing water they do not indicate what they'll implement at the other sites.

Assuming they will cross watercourses that have no water in them by trenching we could have concerns depending on the timing and connectivity to downstream reaches as well as our experience that trenching these smaller water features results in ongoing erosion issues. It would be preferable that the proponent horizontal drill any surface water feature that has a defined channel. For horizontal and/or trenching we would request that clauses be included in the licence that they adhere to DFO's Operation Statements for each of these activities. While no site specific crossing data was included if any of the watercourses are greater than 5 meters in width and the proponent should determine what, if any review, is required by DFO.

Further with respect to directional drilling, the proponent has indicated that a minimum of 15 m of riparian area will be retained. We would request a clause that requires work, to the extent possible, be conducted 30 m from the high water mark of 3rd order and higher rivers and 15 m on any watercourses that are 1st and 2nd order. The applicant has provided a loss of fluid and frac out response plan. The plan does not identify the need to contact MCWS in the event that a frac out occurs and can't be contained or even a reporting process. Will there be a licence clause that requests notification when a failure occurs and also requires a report of occurrences?

Other standard clauses that would address any potential fisheries concerns include:

- chlorinated water must not be released directly to surface water
- implementation of erosion and sediment control measures

- requirement to clean equipment to prevent the spread of aquatic and terrestrial invasive species: *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 Saulteaux 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 11:28 AM
To: Webb, Bruce (CWS) BW
Subject: Re: 5666.00 RM of Pembina Regional Water Distribution 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)

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 *BLW*
To: Webb, Bruce (CWS)
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



Infrastructure and Transportation
Highway Planning and Design Branch
Environmental Services Section
1420 - 215 Garry St., Winnipeg, MB R3C 3P3
T (204) 619-4359 F (204) 948-0593

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. 5887.00

Dear Ms. Braun:

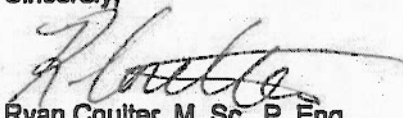
MIT has reviewed the proposal noted above and while we do not have concerns with the development as proposed, we would like to offer the following reminders:

- 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