

Webb, Bruce (CWS)

Subject: J. P. Wiebe Ltd. Irrigation Project File: 5746.00

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

Request for additional information: email of April 28, 2015

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

Technical Advisory Committee Comments on Environment Act Proposal (10 pages):

Manitoba Conservation and Water Stewardship, Environmental Compliance and Enforcement Branch, April 2, 2015
Manitoba Conservation and Water Stewardship, Environmental Programs and Strategies Branch, Air Quality Section, April 1, 2015

Manitoba Conservation and Water Stewardship, Lands Branch, April 1, 2015

Manitoba Conservation and Water Stewardship, Wildlife Branch, April 2, 2015

Manitoba Conservation and Water Stewardship, Water Science and Management Branch, Water Quality Management Section, March 3, 2015

Manitoba Conservation and Water Stewardship, Office of Drinking Water, April 1, 2015

Manitoba Conservation and Water Stewardship, Water Use Licensing Section, February 26, 2015

Manitoba Infrastructure and Transportation, Highway Planning and Design Branch, Environmental Services Section, March 18, 2015

Manitoba Municipal Government, Community and Regional Planning Branch, March 13, 2015

Manitoba Agriculture, Food and Rural Development, Crops Branch, April 2, 2015

Bruce.

Webb, Bruce (CWS)

From: Webb, Bruce (CWS)
Sent: April-28-15 1:29 PM
To: 'spud4@mymts.net'
Subject: J. P. Wiebe Ltd. Irrigation Project File: 5756.00

Hello! Sorry to catch you in the middle of seeding with an update on the environmental assessment and licensing process! The good news is that very little additional information is needed.

We received no public comments on the proposal.

One comment from the Technical Advisory Committee requires additional information in the form of a map that shows all of the proposed irrigated land – that is, the fields and for each field, the field portions that would be irrigated. Normally, any soils that are agricultural capability Class 6 or unimproved organic soils would be excluded from irrigation. This map would be attached to the licence for the project.

The following comment from the Technical Advisory Committee is provided for information only; a response is not needed for this item:


MIT has reviewed the proposal under the Environment Act noted above and it appears that the applicant has already secured agreements for the existing irrigation lines along, across and under PR 352.

However, if the applicant makes any changes to the existing line, a new underground agreement may be needed. Moreover, under the Highways and Transportation Act, any access or structures, new or modified, within 38.1 m (125 ft) from the edge of the right-of-way along PR 352 will require permit from MIT.

Permit applications and/or underground agreements can be obtained by contacting Ashley Beck at (204) 726-7000 or by email at Ashley.Beck@gov.mb.ca.

Bruce.

DATE: April 2, 2015

TO: Bruce Webb 
Water Development and Control
Assessment Officer
bruce.webb@gov.mb.ca

FROM: Tyler Kneeshaw
Environmental Compliance & Enforcement
Conservation & Water Stewardship
309-25 Tupper Street North
Portage la Prairie MB R1N 3K1

PHONE NO.: (204) 239-3608

SUBJECT: Environment Act Proposal – J.P. Wiebe Ltd. Irrigation Project – File 5756.00

Manitoba Conservation and Water Stewardship – Environmental Compliance and Enforcement has reviewed the Environment Act Proposal for the J.P. Wiebe Ltd. Irrigation Project and has the following comments:

- Applicant indicates that no fuel storage will be required for this project, however if fuel storage is required for any construction phases, it must be in compliance with the *Storage and Handling of Petroleum Products and Allied Products Regulation* MR 188/2001.
- Section 4.2 indicates that fertigation will be used to apply nutrients to the crop with irrigation water. A backflow prevention device should be in place to reduce the risk of any fertilizer entering Jackson Lake.

DATE: 01 April, 2015

TO: Bruce Webb *BW*
Environmental Approvals
Conservation and Water
Stewardship
160-123 Main Street, Winnipeg

FROM: Muntaseer Ibn Azkar
Air Quality-Environmental Programs
& Strategies
Conservation and Water Stewardship
1007 Century Street, Winnipeg

SUBJECT: J. P. Wiebe Ltd. – Irrigation Project (File 5756.00)

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.

Webb, Bruce (CWS)

Subject: FW: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

From: +WPG1212 - Conservation_Circulars (CWS)

Sent: April-01-15 12:21 PM

To: Webb, Bruce (CWS) BW

Subject: FW: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

Hi Bruce,

Good afternoon.

Lands Branch – MCWS has no concerns with EAP for J.P. Wiebe Irrigation - File: 5756.00.

Thank you for the opportunity to review

Kind regards

Winifred Pias

Crown Land Programs Administrator

Lands Branch

Manitoba Conservation and Water Stewardship

200 Saulteaux Crescent, Box 25

Winnipeg, Manitoba R3J 3W3 CANADA

Phone: (204) 945-4524

Facsimile: (204) 948-2197

Webb, Bruce (CWS)

Subject: FW: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

From: Kiss, Brian (CWS)
Sent: April-02-15 3:56 PM *BW*
To: Webb, Bruce (CWS)
Cc: Sobkowich, Dale (CWS); Krause-Danielsen, Allison (CWS); Whaley, Kent (CWS)
Subject: RE: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

The Wildlife Branch has the following recommendations pertaining to Section 5.0 *Environmental and Human Impacts*:

"5.2: Wildlife and forestry resources will not be impacted as the project is located entirely on cultivated land. The pumping system for this project will be electric which eliminates the possibility of fuel or oil spills and subsequent water and soil contamination. Also no fuel storage will be required for this project."

It appears that portions of this project will be occurring within the PR 352 road allowance (ditch), not necessarily all cultivated land. Given that species at risk have been recorded in the study area, we suggest that a condition be incorporated into the licence that would require that an on-site rare and endangered species survey be conducted immediately before the proposed pipeline installation activity along PR 352 occurs. If rare or endangered species are detected, mitigation techniques that are approved by the Wildlife Branch must follow. The proponent should be reminded that threatened and endangered species and their habitats are protected under *The Endangered Species and Ecosystems Act*:

The Endangered Species and Ecosystems Act

Prohibition

10(1) No person shall

- (a) kill, injure, possess, disturb or interfere with a member of an endangered species, a threatened species, or an extirpated species that has been reintroduced;
- (b) destroy, disturb or interfere with the habitat of an endangered species, a threatened species or an extirpated species that has been reintroduced; or
- (c) damage, destroy, obstruct or remove a natural resource on which an endangered species, a threatened species or an extirpated species that has been reintroduced depends for its life and propagation.

Offence and penalty

13(1) A person who contravenes a provision of this Act is guilty of an offence and is liable on summary conviction,

- (a) in the case of an individual, to a fine of not more than \$50,000 or imprisonment for a term not exceeding six months, or both; and
- (b) in the case of a corporation, to a fine of not more than \$250,000.

-Brian Kiss

Webb, Bruce (CWS)

Subject: FW: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

From: Wiebe, Brian (CWS)
Sent: March-03-15 4:38 PM BW
To: Webb, Bruce (CWS)
Cc: Hay, David (CWS)
Subject: RE: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

Hi Bruce,

I have taken a quick look at the proposal and have issues with it in its current state. As drawn the fields to be irrigated include several areas which are ag capability class 6 or unimproved organic soils and as such would be classified as Nutrient Management Zone N4. No nitrogen or phosphorus can be applied to these areas under the Nutrient Management regulation and as such irrigation and potato cultivation would not be feasible. There is one rough map which does seem to avoid some of the N4 areas with the pivot "circles" but it is very roughly drawn and does not match what is shown on the other maps. I cannot properly review their proposal without more accurate plans/maps of the areas they plan to irrigate and fertilize.

My other comments on the proposal as it stands are:

- The Squirrel Creek is partially fed by base flow, therefore any leaching of nutrients or pesticides poses a risk to surface water quality. To minimize leaching risk, there shall be no post harvest (fall) application of fertilizers to fields designated as having a moderate or high Potential Environmental Impact under Irrigation. This applies to all years in the crop rotation. Benchmark and ongoing deep soil monitoring is recommended to monitor nitrate leaching for the purposes of protecting water quality.
- Nutrient applications are to be in accordance to the Nutrient Management Regulation. Effective January 1, 2011, a Nutrient Management Plan must be registered with Manitoba Water Stewardship if:
 - Nutrients will be applied to any field that exceeds the residual soil nitrate-nitrogen limits listed in the Nutrient Management Regulation for Nutrient Management Zones N1, N2, and N3.
 - Nutrients will be applied to any field resulting in soil test phosphorus measuring 60 ppm or more within Nutrient Management Zones N1, N2, and N3 and the phosphorus application rates listed in the Nutrient Management Regulation are not achievable.
- Post harvest soil samples (0-6" for Nitrate-Nitrogen and Olsen Phosphorus and 6-24" for Nitrate-Nitrogen) should be taken from each field and the soil test results included in the annual report to confirm compliance with the Nutrient Management Regulation.

The licence should state that the Nutrient Management Regulation requires a fifteen metre setback (Nutrient Buffer Zone - NBZ) be observed adjacent to the Squirrel Creek (20 m if not permanently vegetated). The NBZ is measured from the high water mark or the top of the outermost bank whichever is further from the water. The application of nitrogen or phosphorus is prohibited within the Nutrient Buffer Zone. Application of nitrogen and phosphorus is also prohibited in roadside ditches and any first or second order drains (also considered to be within NBZ).

Let me know if you have any questions,
Brian

Webb, Bruce (CWS)

From: Stibbard, James (CWS)
Sent: April-01-15 10:52 AM
To: Webb, Bruce (CWS) *BW*
Subject: Re: 5756.00 J.P. Wiebe Irrigation EAP

Mr. Webb,

I reviewed the above noted EAP and found no cause for concern with it respecting drinking water quality or safety.
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 review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

From: Matthews, Rob (CWS)

Sent: February-26-15 9:24 PM

To: Webb, Bruce (CWS)

Cc: Dey, Asit (CWS)

Subject: RE: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

Bruce,

WULS has no concerns about this project. The proponent has applied for sufficient water rights to supply his project as proposed.

Rob



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) 945-0593

March 18, 2015

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

RE: J.P. Wiebe Ltd. Irrigation Project
Client File No. 5756.00

Dear Ms. Braun:

MIT has reviewed the proposal under the *Environment Act* noted above and it appears that the applicant has already secured agreements for the existing irrigation lines along, across and under PR 352.

However, if the applicant makes any changes to the existing line, a new underground agreement may be needed. Moreover, under the *Highways and Transportation Act*, any accesses or structures, new or modified, within 38.1m (125ft) from the edge of the right-of-way along PR 352 will require permit from MIT.

Permit applications and/or underground agreements can be obtained by contacting Ashley Beck at (204) 726-7000 or by email at Ashley.Beck@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

Webb, Bruce (CWS)

From: Gray, Richard (MMG)
Sent: March-13-15 11:16 AM
To: Webb, Bruce (CWS)
Cc: Aliaga, Inonge (MMG)
Subject: EAP 5756 J.P. Wiebe Ltd.

BW

Our office has no concerns with this Environment Act Proposal.

*Richard Gray, Planner
Manitoba Municipal Government
Community and Regional Planning
1-2210 Saskatchewan Ave. West
Portage la Prairie, MB R1N 0X1
Phone: 1 (204) 239-3347
Fax: 1 (204) 239-3459
e-mail: Richard.Gray@gov.mb.ca*

Webb, Bruce (CWS)

Subject: FW: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

From: Wilson, Brian (MAFRD)

Sent: April-02-15 11:13 AM

To: Webb, Bruce (CWS)

Subject: RE: Request for review/comment - EAP J.P. Wiebe Irrigation - File: 5756.00

On behalf of Manitoba Agriculture Food and Rural Development, I have reviewed the Environment Act Proposal submitted by J.P. Wiebe Ltd.

In the proposal, the soil types that are in the project area are identified by soil name. The information on the soils was published in 1991, in the Canada-Manitoba Soil Survey, Soils of the Rural Municipality of North Norfolk, report D80. This report is referenced in the reference section of the proposal. The proponent, and the consultant have obtained additional information on the project area by using Electrical Conductivity Mapping and have used extensive soil testing. They have used this information to divide the project area into different management zones.

The proponent clearly outlines in the proposal how this information will be used to mitigate the environmental impacts of the project.

One of the major methods the proponent indicates in section 6.0 that will be used is avoid planting areas of excessive slope. The proponent, does not indicate, at this time, where in the project areas these areas that will not be planted are located. The areas that are not planted can be identified during the reporting and monitoring which should be required as a licence condition.

In addition to not planting certain areas, the proponent identifies they are using, and will continue to use the following conservation practices; Vertical Tillage, Dammer Dyking, Fertigation, EC Mapping, Use of Crop consultants, Wireless Command and Control, Variable Rate Irrigation, Electric Pumps and Intensive Irrigation System Monitoring.

The conservation practice that are being implemented by the proponent are appropriate for the soils of the project area and for the crops being grown under the irrigated crop production systems described in the proposal.

Monitoring and reporting on an ongoing basis is important and can be addressed in the terms and conditions of the licence.

Brian Wilson

Brian.Wilson@gov.mb.ca

Soils Suitability Specialist

Crops Branch

Manitoba Agriculture, Food and Rural Development

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