

Manitoba



DATE: February 6, 2006

Memorandum

TO: Mr. Bruce Webb *BW*
 Environmental Approvals Branch
 Environmental Stewardship Division
 Manitoba Conservation
 160 - 123 Main Street

FROM: W.P. Barto, Sr. Policy Analyst
 Sustainable Resource Mgmt Br.
 Environmental Stewardship Division
 Manitoba Conservation
 Box 38, 200 Saulteaux Crescent

SUBJECT: ENVIRONMENT ACT PROPOSAL: PEMBINA VALLEY WATER COOPERATIVE INC., SUPPLEMENTAL GROUNDWATER SUPPLY SYSTEM (File No: 5156.00)

The following comments have been received by this Branch:


- Before any work is undertaken on Crown Land, a work permit authorizing the work should be obtained from the Sprague District Office (204) 437-2348.
- Before any merchantable timber is to be removed, the applicant should contact Tim Swanson, Regional Forester at (204) 346-6116.
- Water Stewardship staff should confirm that no significant effects from construction and operation of the water supply project are considered likely on the ecological reserve and the aquifer it depends on.
- A monitoring program, as outlined in the applicant's Hydrogeological Report, should be implemented.
- Western silvery aster (*Aster sericeus*, G5S2) is known to occur at one location just north of the proposed pipeline route. The occurrence is associated with the periphery of a gravel pit that occurs on an isolated gravel outcrop. There is potential for the species to occur at other locations within this outcrop. It appears that a one-mile section of the proposed pipeline route will intersect portions of this gravel outcrop at the following quarter-sections: SE27-4-6E; SW26-4-6E; NE22-4-6E; NW23-4-6E.
- The proposed pipeline route adjacent to these quarter-sections should be surveyed for the presence of western silvery aster. The absence of associated native vegetation in the road allowance does not necessarily preclude the presence of western silvery aster. Road allowances have the potential to support western silvery aster because the species is known to survive in previously disturbed habitats and to reinvade gravel substrates.

Note: Since many areas of the province have never been thoroughly surveyed, the absence of data in the CDC database in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present. The information should therefore not be regarded as a final statement on the occurrence of any species of concern nor can it substitute for on-site surveys for species that will be impacted by the development.

Post-it™ Fax Note	7671E	Date	Feb. 6/06	# of Pages	2
To	B3, 19, 33, 35, 58		From		
Co./Dept.			Co.		
Phone #			Phone #		

Page 2

- It is the responsibility of the proponent to inspect the pipeline route prior to and during construction to determine if western silvery aster (or other listed species) may be impacted. The proponent needs to be aware that if rare or endangered species are present, removal or destruction of individuals or their habitat may be in contravention of Subsection 10(1) "Prohibition" of The Endangered Species Act (Manitoba). In addition, the federal Species at Risk Act prohibits any activities that kill or otherwise harm COSEWIC listed plant or animal species and prohibits destruction of habitat for these species. If species of concern are present, the proponent must contact the Biodiversity Conservation Section of the Wildlife and Ecosystem Protection Branch (Nicole Firlotte, 945-6998) to discuss possible mitigation options.


W.P. Barto

Ccs: G. Jones
J. Dubois
B. Gillespie
B. Bremner
D. Bezak

Webb, Bruce (CON)

From: McRobbie, Karen (CON)
Sent: Thursday, February 09, 2006 11:13 AM *Bl*
To: Webb, Bruce (CON)
Subject: Pembina Valley Water Cooperative Inc. (File No. 5156.00)

Bruce, I received today the following comment re the above EA proposal:

"Stream crossing locations will need to be identified to determine whether the "bed" is crown or private. Permits (easements?) may be required on crown land."

Could you please add this to the Department's comments.

Thanks.

Karen McRobbie

Policy Analyst
Sustainable Resource Management Branch
Manitoba Conservation
Box 38, 200 Saulteaux Crescent
Winnipeg MB R3J 3W3
Ph: (204) 945-5747
Fax: (204) 945-4552
Email: kmcrobbe@gov.mb.ca



DATE: January 26, 2006

Memorandum

TO: Bryan Blunt
Environmental Assessment &
Licensing
123 Main St., Suite 160
Winnipeg, MB. R3C 1A5

BW

FROM: Lorimer Thompson
A/Director
Ecological Services Division
Manitoba Water Stewardship
200 Saulteaux Cres.
Winnipeg, MB
R3J 3W3

PHONE: 945-2181
FILE:

SUBJECT:

Manitoba Water Stewardship has reviewed the above noted proposal and submits the following comments for your consideration:

- In addition to the mitigative measures identified in the proposal we request the following also be addressed:
 - Adhere to the third edition of the Pipeline Associated Watercourse Crossings,
 - Geotechnical assessments of crossings need to be done to determine risk of frac-out,
 - Where risk of frac-out is high and open cut is necessary consult with regional fisheries managers, and
 - Proponent needs to have an emergency plan in place for potential frac-out.
- While the proponent has indicated adherence to DFO's Operational Statement we note that no geotech assessments appears to have been completed. The Operational Statement applies to channel width less than 5 meters. While no site specific crossing data was included it is unlikely that the Red River crossing would be less than 5 meters and would therefore require DFO review.
- The proposal refers to water works. As per *The Public Health Act*, Regulation 331/88R (waterworks, sewerage and sewage disposal regulation) water distribution line extensions more than 300m and other components like public water treatment plants need certificate of approvals prior to construction. Office of Drinking Water should be contacted.
- Appropriate well head protection should be provided. Grading should drain flood water and contaminants etc. away from the well.
- It is unclear whether the consultant collected any baseline raw water quality data.

Lorimer Thompson

cc. C. Hughes
J. O'Connor
D. Rocan



DATE: January 26, 2006

Memorandum

TO: John Little
Head, Groundwater Licensing
Water Licensing Branch

FROM: R. N. Betcher
Manager
Groundwater Management

PHONE: 7420

FAX: 7419

FILE: 5.7.1

SUBJECT : Pembina Valley Water Cooperative Inc.

I have reviewed the report titled "Pembina Valley Water Cooperative Inc Supplementary Groundwater Supply Hydrogeologic Assessment Report" prepared by UMA Engineering Ltd, dated November 2005. This report discusses the results of an investigation carried out in the Bedford Ridge area of the Sandilands Provincial Forest to evaluate the potential for sand and gravel aquifers in this area to supply groundwater at a rate of 50 L/s.

In general I found the studies undertaken and documented in the report to be quite comprehensive and to address in detail most of the issues that were raised with the consultant and proponent at a meeting following submission of their preliminary assessment report last year. The consultant has demonstrated to a reasonable scientific standard (with some clarification needed – see questions below) that the lower sand aquifer in this area has the capacity to be pumped at 50 L/s over the long term without significant impact to the groundwater resource or to surrounding groundwater users and the environment. However, as pointed out by the consultant and discussed during our meeting last year, this appears to be a very complicated geologic and hydrogeologic system which we currently do not understand all that well. Therefore we should require that the proponent undertake comprehensive monitoring to determine the long-term response of the system to the proposed groundwater abstraction.

Some additional comments are given below:

- On page 14, last bullet, the storativity is given as 0.11 which is of course very large. There appears to be a mathematical error on Figure 17 in the calculation of S. There is also a problem on this Figure with the distance scale which goes up two log cycles at a time, rather than one. Has Δs been taken over two log cycles and are the drawdowns for the wells plotted at the correct distances? How does this affect the discussion in Section 4.2?
- In Section 4.2, what values of T and S have been used to calculate the distance drawdown relationships with time shown in Figure 18?

- It doesn't appear that the consultant has analyzed the recovery data for the pumping and observation wells. Recovery data is often of better quality than drawdown data and should be analyzed as a check against the drawdown analysis.
- It may be helpful to plot the drawdown data on log-log paper as well as the log-normal paper. Log-log plots often tend to show boundary or leakage conditions more clearly than semi-log plots, particularly when the Theis curve is superimposed on the field data.
- In Section 6, Recommendation 2, I think some additional consideration should be put into the long-term groundwater monitoring of this project. The consultant has proposed that well 5A be part of the monitoring network but this well is so close to the pumping well (3 m) that the on/off cycling of the pump would create large impacts at the well and water level trend interpretation would be difficult to observe. Similarly, Well 11 would not appear to be a useful monitoring point since it did not respond to the 72 hour test. Wells 12 and 19 are located very close together and both are completed into the lower sand. There would seem little point in using both as observation wells. I would suggest that the applicant be requested to submit a separate short document that would include a discussion of monitoring objectives and a proposed monitoring network that would meet the objectives. The objectives should consider the need for monitoring in support of proposed future expansion, monitoring of the upper sand near the well site, monitoring the sandstone aquifer and comprehensive monitoring of the aquifer being developed. The objectives should be developed with the understanding that even if an aquifer did not show a response to 72 hours of pumping, it could still show a response to long-term pumping.

Bob Betcher

RNB/rnb:jb

Cc: D. Williamson
R. Matthews

Manitoba



DATE: January 18, 2006

Memorandum

TO: Bruce Webb ^{BW}
Environmental Officer
Manitoba Conservation
Suite 160, 123 Main Street

FROM: C. Gordon Hill
Impact Assessment Archaeologist
Historic Resources Branch
Main Floor, 213 Notre Dame

PHONE: 945-7730
FAX: 948-2384

SUBJECT: ENVIRONMENT ACT PROPOSAL

CLIENT FILE: 5156.00

PEMBINA VALLEY WATER COOPERATIVE INC.
SUPPLEMENTAL GROUNDWATER SUPPLY

I have reviewed the above-noted application for an *Environment Act* License. The Historic Resources Branch has no concerns with regard to this project's potential to impact heritage resources.

C. Gordon Hill

Webb, Bruce (CON)

From: Miskimmin, Barb (IEDM)
Sent: Thursday, December 22, 2005 2:13 PM
To: Webb, Bruce (CON)
Subject: Environment Act Proposal

BW

Mines Branch has reviewed the following and has no concerns:

Pembina Valley Water Cooperative Inc.
Supplemental Groundwater Supply
Your File No. 5156.00

*Barb Miskimmin
Land Use Administrator
Mines Branch*

Webb, Bruce (CON)

From: McKinnon, Marie (IEDM)
Sent: Monday, January 16, 2006 12:11 PM
To: Webb, Bruce (CON)
Subject: Proposal

BW

The Petroleum Branch has no comments regarding the Pembina Valley Water Cooperative Inc. Supplemental Groundwater supply proposal.

Webb, Bruce (CON)

From: Dyck, Alvin (TGS)
Sent: Tuesday, January 24, 2006 3:56 PM *BW*
To: Webb, Bruce (CON)
Cc: Molinski, John (TGS); Wareham, Brett (TGS)
Subject: Env. Act Client 5156.00 - TGS Comments

Re: Pembina Valley Co-operative Inc. – Supplemental Groundwater Supply

Manitoba Transportation and Government Services (MTGS) has reviewed the above-noted Proposal as requested by T. Braun in a letter dated December 19, 2005. The following comments were generated:

- Although it would generally be preferred that provincial highway rights-of-way are not relied upon for the placement of the water line, this Department has no major concerns.
- Preliminary meetings have been initiated by the Co-op, and MTGS will continue to work with the Co-op as they provide the appropriate information to obtain the required approvals.
- Underground Agreements will be required from MTGS for placement of pipeline within highway right-of-way and adjacent control areas.
- Further statutory requirements that may apply this project are as follows:

*Under The **Highways and Transportation Act** permits are required from the **Department of Transportation and Government Services** for:*

- any new, modified or relocated access to a Provincial Road, Main Market Road or Access Road;
- any structures (including advertising signs, wells, septic fields, etc.) on, under or above the ground within Controlled Areas;
- discharging of water or other liquid materials into a ditch of a Limited Access Highway, Provincial Road, Main Market Road or Access Road;
- placing any trees or plantings within 15.2 metres (50 feet) of the edge of right-of-way of a Limited Access Highway, Provincial Road, Main Market Road or Access Road.

*Under The **Highways Protection Act** permits are required from the **Highway Traffic Board** for:*

- any new, modified or relocated access (including any change in use of an existing driveway) to a Limited Access Highway;
- any change in land use within the Controlled Areas of a Limited Access Highway;
- any structures (including advertising signs, wells, septic fields, etc.) on, under or above the ground within Controlled Areas of a Limited Access Highway;
- a permit is required from the Department of Highways and Government Services for any trees or plantings within 15.2 metres (50 feet) of the edge of right-of-way of a Limited Access Highway, Provincial Road, Main Market Road or Access Road.
- a permit is also required from the Department of Transportation and Government Services for discharging of water or other liquid materials into a ditch of a Limited Access highway.

- Although there is some confusion that needs to be resolved regarding the location of the well and how it will be accessed, MTGS will continue to work with the Co-op to address potential issues.
- The proponent may contact the following in the above regards:

Brett Wareham, P. Eng. Technical Services Engineer bwareham@gov.mb.ca (204) 346-6279	John Molinski Planning Technologist jmolinski@gov.mb.ca (204) 371-1965
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Manitoba Transportation and Government Services
Eastern Regional Office

323 Main Street
Steinbach, MB
R5G 1Z2
FAX: (204) 326-4852

Alvin Dyck, B.Sc.(Env.)
Environmental Screening Technician
Highway Planning & Design Branch
Manitoba Transportation & Government Services
14 - 215 Garry St.
Winnipeg, MB R3C 3Z1

Phone: (204) 945-7109
Fax: (204) 945-0593
e-mail: alvdyck@gov.mb.ca




CORPORATE OFFICE

Box 243, 36 Centenaire Drive
Southport MB R0H 1N0
Tel.: 204 428 2000
Fax: 204 428 2020
Toll Free: 1 800 RHA 6509
Email: info@rha-central.mb.ca
Web Site: www.rha-central.mb.ca

BUREAU CENTRAL

CP 243, 36, rue Centenaire
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Tél.: 204 428 2000
Télééc.: 204 428 2020
N° 800: 1 800 RHA 6509
Courriel: info@rha-central.mb.ca
Site web: www.rha-central.mb.ca

January 3, 2006

Bruce Webb 
Manitoba Conservation
Environmental Stewardship Division
123 Main Street, Suite 160
Winnipeg, Manitoba R3C 1A5



Dear Bruce Webb,

RE: PEMBINA VALLEY WATER COOPERATIVE INC. SUPPLEMENTAL GROUNDWATER SUPPLY

I do not have any health concerns that I can identify with this proposal. The health department would agree with the plan to ensure a sustainable supply of potable water for the area.

If you have any questions please call me at (204) 428-2018.

Sincerely,



Dr. Shelley Buchan, MD FRCP
Medical Officer of Health
Regional Health Authority – Central Manitoba Inc.
Box 243, 36 Centenaire Drive
Southport, Manitoba R0H 1N0

Cc: Jim Poplow



Canadian Environmental
Assessment Agency

Agence canadienne
d'évaluation environnementale

123 Main Street, Suite 263
Winnipeg, Manitoba
R3C 4W2

123, rue Main, bureau 263
Winnipeg (Manitoba)
R3C 4W2

January 31, 2006

CEAA File No.: MP2005-081

MC File No.: 5156.00

Mr. Bruce Webb *BJW*
Manitoba Conservation
Environmental Assessment and Licensing Branch
160 - 123 Main Street
Winnipeg, Manitoba R3C 1A5

Dear Mr. Webb:

**SUBJECT: Pembina Valley Water Cooperative – Supplemental Groundwater Supply System
(Sandilands Provincial Forest Source)**

I am responding to the letter of December 19, 2005 from Tracey Braun, Director, Environmental Assessment and Licensing Branch, Manitoba Conservation to Dan McNaughton, Director – Prairie Office, Canadian Environmental Assessment Agency, regarding the project proposal identified above.

I have now completed a survey of federal departments with respect to determining interest in the project. I can confirm that the project information that was received from Manitoba Conservation has been distributed and reviewed by all federal departments with a potential interest.

Based on the responses to the federal survey, the application of the Canadian Environmental Assessment Act (the Act) will not be required for this project. For your information, I am attaching all of the responses received from federal departments.

Please note that three federal departments have identified expertise that may assist in the environmental review of this project proposal. Fisheries and Oceans Canada (DFO) has submitted a response indicating the department's expertise with regard to fish habitat, and includes a letter dated January 10, 2006 in which DFO's Operational Statement for High-Pressure Directional Drilling is referenced. Environment Canada (EC) has submitted a response that identifies expertise with regard to the Migratory Birds Convention Act (MBCA), and the Species At Risk Act (SARA). EC's response also includes a letter dated January 9, 2006 to Ms. Tracy Braun, Director of your Branch. Thirdly, Health Canada's (HC) response indicates that department's expertise in water management, water quality standards, toxicology, and such. Please include these responses into the provincial review of the project proposal. I would be happy to assist you in pursuing this expertise further should you find that helpful.

Finally, please note that Environment Canada has indicated that the department would like to participate in the provincial review process, pursuant to the Canada-Manitoba Agreement on Environmental Assessment Cooperation. I would therefore ask that you include the EC representative in the provincial Technical Advisory Committee (TAC) that is established for this project.

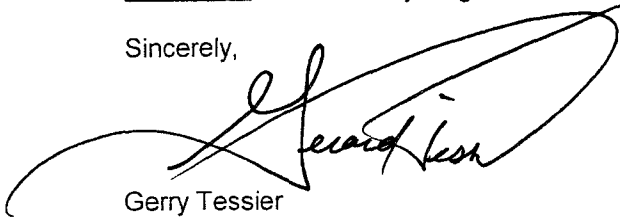
I have attached all of the relevant responses from the federal departments that have been consulted, and I am including a listing of departmental contacts for your information and use (see attached).

.../2



Please feel free to contact me by telephone at (204) 984-8020 or by e-mail at gerry.tessier@ceaa-acee.gc.ca if there is anything further that I can do to assist you in the review of this proposed project.

Sincerely,

A handwritten signature in black ink, appearing to read "Gerry Tessier", with a large, sweeping flourish extending to the left.

Gerry Tessier
Senior Program Officer

Encl.

c.c.: Steve Wiecek, UMA Engineering and Iain Pimlott, Cochrane Engineering (Proponent contacts)
Todd Schwartz, DFO
Reg Ejeckam, EC
Rick Grabowecky, HC

Federal Contacts List

Project: Pembina Valley Water Cooperative – Supplemental Groundwater Supply System (Sandilands Provincial Forest Source)
CEAA File No.: MP2005-081
MC File No.: 5156.00

Mr. Gerry Tessier
Canadian Environmental Assessment Agency
445 – 123 Main Street
Winnipeg, Manitoba R3C 4W2
Telephone: (204) 984-8020
Fax: (204) 983-1878
Email: gerry.tessier@ceaa-acee.gc.ca

Mr. Todd Schwartz
Fisheries and Oceans Canada
Winnipeg District Office
501 University Crescent
Winnipeg, Manitoba R3T 2N6
Telephone: (204) 983-4231
Fax: (204) 984-2402
E-mail: schwartzt@dfo-mpo.gc.ca

Mr. Reg Ejeckam
Environment Canada
Manitoba Division
VIA Rail Union Station
123 Main Street, Suite 150
Winnipeg, Manitoba R3C 4W2
Telephone: (204) 984-3522
Fax: (204) 983-0960
E-mail: reg.ejeckam@ec.gc.ca

Mr. Rick Grabowecky
Environmental Assessment Coordinator, Man/Sask Region
Health Canada
SAFE ENVIRONMENTS PROGRAM
510 Lagimodière Blvd
Winnipeg, Manitoba R2J 3Y1
Telephone: (204) 984-8318
Fax: (204) 984-0461
E-mail: rick_grabowecky@hc-sc.gc.ca



Canadian Environmental Assessment Agency

Agence canadienne d'évaluation environnementale

123 Main Street, Suite 263
Winnipeg, Manitoba
R3C 4W2

123, rue Main, bureau 263
Winnipeg (Manitoba)
R3C 4W2

CEAA File No.: MP2D05-081
MC File No.: 5156.00

December 28, 2005

- | | | |
|--|---|--|
| <input type="checkbox"/> INFO - N/A | <input checked="" type="checkbox"/> HC - Rick Grabowecy | <input type="checkbox"/> PARKS - N/A |
| <input type="checkbox"/> CTA - N/A | <input type="checkbox"/> MR Dev - N/A | <input checked="" type="checkbox"/> PFRA (AAFC) - Jodine MacDuff |
| <input checked="" type="checkbox"/> DFO - K. Kristofferson | <input type="checkbox"/> INDUSTRY CANADA - N/A | <input type="checkbox"/> PWGSC - N/A |
| <input checked="" type="checkbox"/> DIAND - Danielle Black | <input type="checkbox"/> NEB - N/A | <input checked="" type="checkbox"/> TC - Anita Champagne |
| <input checked="" type="checkbox"/> EC - Reg Ejeckam | <input type="checkbox"/> NRCan - N/A | <input checked="" type="checkbox"/> WD - Bill Perlmutter |

SUBJECT: Pembina Valley Water Cooperative - Supplemental Groundwater Supply System (Sandilands Provincial Forest Source)

In accordance with information-sharing requirements of the *Canada-Manitoba Agreement on Environmental Assessment Cooperation* (the Agreement), the Environmental Assessment and Licensing Branch, Manitoba Conservation (MC) has provided a copy of the above-referenced project proposal for federal review. The proposal is currently being considered by MC, pursuant to *The Environment Act*.

Please refer to your copy of the proposal documents for your departmental review. The purpose of the review will be:

- to determine whether, within your departmental mandate, you are likely to require an environmental assessment under the *Canadian Environmental Assessment Act* (the Act) with regard to the project (Section 5, CEAA trigger);
Additional information required (please specify) Yes No
- to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and
Specify as appropriate: fish habitat Yes No
- to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
Yes No

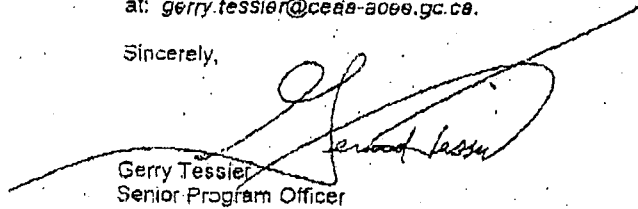
Please respond by fax at (204) 983-1878 at your earliest convenience, or before January 28, 2006. If your response to any of the above determinations is positive, please provide the name and means of contact for a departmental representative for the review.

Name: Todd Schwartz Telephone: 983-4231
 Address: Fisheries & Oceans Canada Prairies Fax: 984-2402
Area Manager, District St. Lawrence (res. Winnipeg, MB)
 E-mail: Schwartz.T@DFO-MPO.gc.ca ^{R3T 206}

If you are choosing to participate in the provincial review in the absence of a federal trigger, you are requested to provide your comments directly to MC. The deadline for submitting comments is January 30, 2006, as noted on the accompanying material. If you are unable to meet this deadline, please contact MC as soon as possible.

If you have any questions, please contact me by telephone at (204) 984-8020 or by e-mail at: gerry.tessier@ceaa-acee.gc.ca.

Sincerely,



Gerry Tessier
Senior Program Officer

Encl.

www.ceaa-acee.gc.ca  www.acee-ceaa.gc.ca

PRAIRIES AREA - WPG. DISTRICT
FISHERIES & OCEANS
Received
By A. PRESENER Date 3 JAN 06
FILE No.: 01-06-0009





Fisheries and Oceans
Canada

Pêches et Océans
Canada

Prairies Area
Winnipeg District

501 University Crescent
Winnipeg, Manitoba R3T 2N6

Tel: (204) 983-5183
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Zone des Prairies
District de Winnipeg

501, Croissant D'Université
Winnipeg (Manitoba) R3T 2N6

Tel: (204) 983-5183
Télé: (204) 984-2402

Your file / Votre référence
MP2005-081
5156.00

Our file / Notre référence
WI-06-0009

January 10, 2006

Gerry Tessier
Canadian Environmental Agency
123 Main Street, Suite 263
Winnipeg MB R3C 4W2

Attention Gerry Tessier:

Thank you for submitting your application dated January 3, 2006, to Fisheries and Oceans Canada, Winnipeg District for a supplemental groundwater supply system (Sandilands Provincial Forest Source).

The project appears to be consistent with the type of work covered by the attached "Manitoba Operational Statement for High-Pressure Directional Drilling", in which case no additional DFO review is necessary. However, it is the proponent's responsibility to ensure that the conditions and measures described in the Operational Statement are followed. If after reviewing the attached Operational Statement, the proponent determines they are unable to comply with those conditions and measures, they are to contact the local DFO office citing the file numbers above, and DFO will review the proposal.

The Department of Fisheries and Oceans wishes to remind the proponent that in the event that the High Pressure Directional Drill crossing fails and an isolated trenched crossing is required, that they will have to contact DFO for a site specific review of the crossing if it is greater than 5 metres bankfull width, as outlined in the Manitoba Operational Statement for High Pressure Directional Drilling.

Please note that this Operational Statement does not release you from the responsibility of obtaining any other permits or approvals that may be required under municipal, provincial and federal legislation (for example, the *Navigable Waters Protection Act*) that apply to the work being carried out in relation to this Operational Statement.

For your information, electronic versions of Guidelines and Fact Sheets pertaining to fish habitat and working around water can be obtained through our website, which is located at <http://www.dfo-mpo.gc.ca/canwaters-eauxcan>.

If you have any additional questions or concerns, please contact the DFO office in your area at (204) 983-4229 or by fax (204) 984-2402.

Sincerely,

Ashley Presenger
Junior Fish Habitat Biologist
Prairies Area, Winnipeg District

Attachment(s): Manitoba Operational Statement for High-Pressure Directional Drilling

cc: S. Schellenberg (Pembina Valley Water Cooperative Inc., Altona)
B. Webb (MB Water Stewardship, Winnipeg)
B. Bruederlin (MB Water Stewardship, Brandon)
S. Wiecek (UMA Engineering Ltd., Winnipeg)
I. Pinnott (Cochrane Engineering, Winnipeg)
Winnipeg File

Canada

HIGH-PRESSURE DIRECTIONAL DRILLING

Manitoba Operational Statement Habitat Management Program

VERSION 1.0
Valid until March 31, 2006

For the purpose of this Operational Statement, the term High-Pressure Directional Drilling (HPDD) means trenchless methods of crossing a watercourse, using pressurized mud systems. HPDD is used to install cables and pipelines for gas, water, telecommunications, fibre optics, power, sewer, oil and water lines underneath watercourses. This method is preferable to open cut and isolated crossings because the cable or pipeline is drilled underneath the watercourse with very little disturbance to its bed or banks. HPDD involves drilling a pilot bore-hole underneath the watercourse towards a surface target on the opposite side and back reaming the bore-hole to the drill rig while pulling the pipe or cable along through the hole. This process typically uses the freshwater gel mud system to transport drilled spoil, reduce friction and stabilize the bore-hole. The gel mud system is typically composed of a mixture of clean, fresh water as the base, bentonite (clay-based drilling lubricant) or an alternative drilling lubricant as the viscosifier, and synthetic polymers.

Successful HPDD is more favourable than an open-cut water crossing because it minimizes the potential to impact fish and fish habitat. This Operational Statement does not apply to any wet open-cut water crossing under any circumstance, nor does it apply when there is a high risk of a frac-out.

One of the risks associated with HPDD is the escape of drilling mud into the environment as a result of a spill, tunnel collapse or the rupture of mud to the surface, commonly known as a "frac-out". A frac-out is caused when excessive drilling pressure results in drilling mud propagating vertically toward the surface. The risk of a frac-out can be reduced through good geotechnical assessment practices and good drill planning and execution. The extent of a frac-out can be limited by careful monitoring and having appropriate equipment and response plans ready in the event that one occurs.

Fisheries and Oceans Canada (DFO) is responsible for protecting fish and fish habitat across Canada. Under Section 35 of the *Fisheries Act* no one may carry out a work or undertaking that will cause the harmful alteration, disruption or destruction (HADD) of fish habitat unless it has been authorized by DFO. By following the conditions and measures set out below you will be in compliance with Subsection 35(1) of the *Fisheries Act*.

The purpose of this Operational Statement is to describe the conditions under which it is applicable to your project and the measures to be incorporated into your High-Pressure Directional Drilling project in order to avoid negative impacts to fish habitat. **You may proceed with your HPDD project without a DFO review when you meet the following conditions:**

- ▶ a geo-technical assessment prepared by a qualified professional determines that this drilling technique will be successful; if there is a high risk of a frac-out, this Operational Statement does not apply,
- ▶ you have a professionally-prepared emergency frac-out response plan and contingency crossing plan in place (on-site and well-understood and readily available to all workers) that outlines the protocol to monitor the construction, to stop work in the event of a frac-out or spill, and to contain and clean-up drilling fluids and other deleterious substances, and

- ▶ you incorporate the *Measures to Protect Fish and Fish Habitat when High-Pressure Directional Drilling* listed below.

This Operational Statement also describes contingency crossing measures for an isolated trenched crossing in the event of a frac-out. You may proceed with your contingency crossing plan without a DFO review when your project meets the following conditions:

- ▶ the channel width of the watercourse is less than 5 meters from ordinary high water mark to ordinary high water mark (see definition below), and
- ▶ you incorporate the *Measures to Protect Fish and Fish Habitat for Isolated Trenched Crossings in the Event of a Frac-out* listed below.

Plans for contingency crossings of watercourses greater than 5 metres wide from ordinary high water mark to ordinary high water mark, and contingency crossings during fisheries restricted activity periods will require prior DFO review. Because of the time requirements for DFO review, it is recommended that contingency plans for HPDD in these circumstances be referred to DFO well in advance of HPDD project commencement.

If you cannot meet all of the conditions listed above and cannot incorporate all of the measures listed below then your project may result in a violation of Subsection 35(1) of the *Fisheries Act* and you could be subject to enforcement action. In this case, you should contact the DFO office in your area (see Manitoba DFO office list) if you wish to obtain DFO's opinion on the possible options you should consider to avoid contravention of the *Fisheries Act*.

This Operational Statement does not release you from the responsibility of obtaining any other permits or approvals that may be required under municipal, provincial and federal legislation (e.g., the *Navigable Waters Protection Act*) that apply to the work being carried out in relation to this Operational Statement.

We ask that you notify DFO, preferably 10 working days before starting your work, by filling out and sending in, by mail or by fax, the Manitoba notification form to the DFO office in your area. This information is requested in order to evaluate the effectiveness of the work carried out in relation to this Operational Statement.

Measures to Protect Fish and Fish Habitat when High-Pressure Directional Drilling

1. Design the drill path to an appropriate depth below the watercourse to minimize the risk of a frac-out, as determined by a qualified professional, and to prevent the pipeline or cable from becoming exposed due to natural scouring of the stream bed. Ensure the drill entry and exit points are far enough from shorelines and stream banks to minimize disturbance to riparian areas, reduce the risk of frac-outs into the water body, and enable the containment of drilling fluids and other deleterious substances outside of the active stream channel.
2. While this Operational Statement does not cover the clearing of riparian vegetation, the removal of select plants may be necessary to access the construction site. This removal should be kept to a



HIGH-PRESSURE DIRECTIONAL DRILLING

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minimum and within the utility right-of-way.

3. Machinery fording the watercourse to bring equipment required for construction to the opposite side of the watercourse is limited to a one-time event (over and back) and is to occur only in an existing crossing at another location cannot be used. If the stream bed and banks are highly erodible (e.g., dominated by organic materials and silts) and erosion and degradation is likely to occur as a result of equipment fording, then a temporary crossing structure or other practice should be used to protect these areas. For information, consult the *Manitoba Stream Crossing Guidelines for the Protection of Fish and Fish Habitat* (Manitoba Natural Resources and DFO, 1996). Any fording should adhere to provincial fisheries timing windows in order to prevent disruption to spawning fish, their incubating eggs and larval life stages (see the attached *Manitoba In-Water Construction Timing Windows*).
4. Operate machinery on land and in a manner that minimizes disturbance to the banks of the watercourse.
 - 4.1. Machinery is to arrive on site in a clean condition and is to be maintained free of fluid leaks.
 - 4.2. Wash, refuel and service machinery and store fuel and other materials for the machinery away from the water to prevent deleterious substances from entering the water.
 - 4.3. Keep an emergency spill kit on site in case of fluid leaks or spills from machinery.
5. Ensure the drilling mud, sediment-laden water and any other deleterious substances are contained above the ordinary high water mark and do not enter any watercourse.
6. Monitor the watercourse to observe signs of surface migration of drilling mud (frac-out) during all phases of the work.
7. For the duration of the work, keep on-site and readily accessible in the event of a frac-out, all material and equipment needed to contain and clean-up releases of drilling mud, cuttings and other waste materials.
8. Implement your frac-out response plan immediately upon the detection of a frac-out, a sediment release or spill of a deleterious substance. This plan is to include measures to, a) stop work; contain the drilling mud, cuttings and other waste materials and prevent their further migration into the watercourse; b) notify all applicable authorities, including the closest DFO office; c) promptly clean-up and appropriately dispose of the drilling mud, cuttings and other waste material in a location where it cannot re-enter any watercourse; and d) ensure clean-up measures are suitably applied so as not to result in further alteration of the bed and/or banks of the watercourse.
9. In the event of a frac-out, invoke the contingency crossing plan to re-drill at a more appropriate location and target depth (as determined by a geotechnical assessment done by a qualified professional) or if necessary, refer to the *Measures to Protect Fish and Fish Habitat for Isolated Trenched Crossings in the Event of a Frac-out* (see below) to isolate the watercourse to complete the crossing in the dry at the current location.

Measures to Protect Fish and Fish Habitat for Isolated Trenched Crossings in the Event of a Frac-out

10. The contingency crossing plan is to be followed to complete an isolated trenched crossing in the event of a frac-out when relocating and re-drilling is not feasible. An isolated crossing (i.e., dam and pump, flume) involves isolating the work area and diverting the flow around the construction site while completing the crossing in the dry. This Operational Statement does not provide for a wet open-cut trenched crossing under any circumstances.
11. Time the isolated crossing to protect spawning fish, their incubating eggs and larval life stages. Adhere to provincial fisheries timing windows, as identified in Measure 3 above. In the event of a frac-out, you may proceed with the isolated crossing as already approved by DFO (identified in the conditions above), if operating within acceptable activity periods. If a frac-out occurs outside of these acceptable periods, you must contact the local DFO office prior to proceeding with an isolated crossing in accordance with your contingency crossing plan.
12. **Temporary Isolation**
Temporary isolation is used to allow work in the dry while maintaining downstream flows. The following general measures should be used when isolating the trenched crossing construction.
 - 12.1. Install effective sediment and erosion control measures before starting work to prevent entry of sediment into the watercourse. Inspect them regularly during the course of construction to ensure they are functioning properly. Immediately make all necessary repairs if any damage is discovered.
 - 12.2. Use coffer dams such as aqua-dams, pea gravel or sand bags, concrete blocks, steel or wood wall, clean rock, sheet pile or other appropriate designs to separate the dewatered work site from flowing water.
 - 12.3. Use clean, washed material to build any granular coffer dams and face them with clean, washed granular material that is adequately sized (i.e., moderate sized rock and not sand or gravel) to hold the coffer dams in place during the work. If necessary, the outside face of the coffer dams is to be lined with heavy poly-plastic to make them impermeable to water. Material to build these dams should not be taken from below the ordinary high water mark (see definition below).
 - 12.4. Design coffer dams to accommodate any expected high flows of the watercourse during the construction period.
 - 12.5. Minimize flow constriction to maintain unobstructed fish passage, or only a very brief fish passage delay, and restore original flow as soon as work is completed.
 - 12.6. Before starting trench construction, salvage any fish from within the isolated area and return them safely to the downstream portion of the watercourse.
 - 12.7. Remove accumulated sediment and excess spoil from the isolated area and restore the bed and banks of the watercourse to pre-construction condition before coffer dams are removed. Restore the original channel bottom gradient and substrate and cover the disturbed stream bed with a layer of clean granular material. Ensure banks are stabilized, adequately protected from erosion and re-vegetated, preferably with native species.



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12.8. Treat water from dewatered areas or divert into a vegetated area or settling basin to remove suspended solids and prevent sediment and other deleterious substances from entering the watercourse.

12.9. Gradually remove the coffer dam to equalize the water levels inside and outside the isolated areas and to reduce the amount of suspended sediment that is carried downstream.

13. Pumped Diversions

Pumped diversions are used to maintain downstream flows and prevent upstream ponding while isolating a portion of a channel to allow work in the dry.

13.1. Do not use pumped diversions where there are fish passage concerns.

13.2. Before pumping water from the work area, salvage fish within the isolated area and return them safely to the downstream portion of the watercourse.

13.3. Ensure intakes are sized and adequately screened to prevent debris blockage and fish mortality (refer to DFO's *Freshwater Intake End-of-Pipe Fish Screen Guidelines*, available at www.dfo-mpo.gc.ca/Library/223669.pdf).

13.4. Ensure the pumping system is sized to accommodate any expected high flows of the watercourse during the construction period. Back-up pumps should be kept on-site in case of pump failure.

13.5. Line the area where the pump discharges with clean rock to prevent erosion and the release of suspended sediments downstream, and remove this material when the works have been completed.

14. Machinery

In addition to the other measures identified in this Operational Statement, these measures are to be followed when doing an isolated crossing:

14.1. Install stabilized entrances at machinery access points and establish single site entry and exit.

14.2. Minimize distance between machinery access points from the stream banks to the work site to minimize disturbance to fish habitat.

Measures that Apply to all Work Conducted under this Operational Statement

15. Stabilize any waste materials removed from the work site, above the ordinary high water mark (see definition below), to prevent them from entering any watercourse. Spoil piles could be contained with silt fence, flattened, covered with biodegradable mats or tarps, and/or planted with preferably native grass or shrubs.

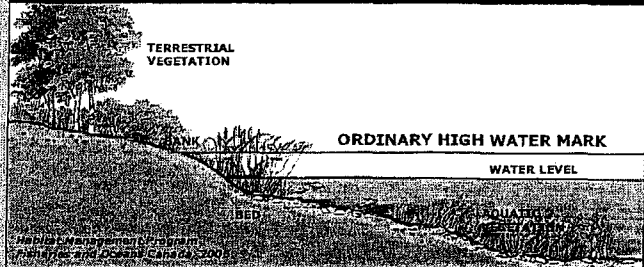
16. Vegetate any disturbed areas by planting and seeding preferably native trees, shrubs or grasses and cover such areas with mulch to prevent soil erosion and to help seeds germinate. If there is insufficient time in the growing season remaining for the seeds to germinate, stabilize the site (e.g., cover exposed areas with erosion control blankets to keep the soil in place and prevent erosion) and then vegetate the following spring.

17. Maintain effective sediment and erosion control measures until complete re-vegetation of disturbed areas is achieved.

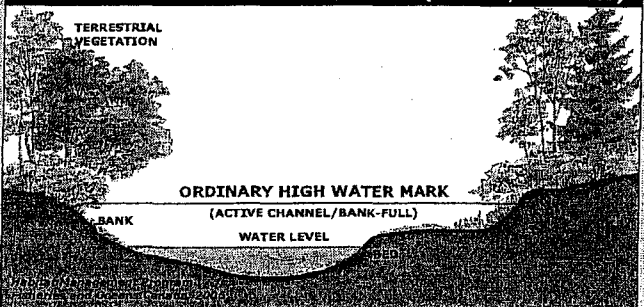
Definition:

Ordinary high water mark - The usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to change the characteristics of the land. In **flowing waters (rivers, streams)** this refers to the "active channel/bank-full level" which is often the 1:2 year flood flow return level. In **inland lakes, wetlands or marine environments** it refers to those parts of the water body bed and banks that are frequently flooded by water so as to leave a mark on the land and where the natural vegetation changes from predominately aquatic vegetation to terrestrial vegetation (excepting water tolerant species). For **reservoirs** this refers to normal high operating levels (Full Supply Level).

CROSS-SECTION OF INLAND LAKES, WETLANDS OR MARINE ENVIRONMENTS



CROSS-SECTION OF FLOWING WATERS (RIVERS, STREAMS)



FISHERIES AND OCEANS CANADA OFFICES IN MANITOBA

Winnipeg District Office
Fisheries and Oceans Canada
Freshwater Institute
501 University Crescent
Winnipeg, Manitoba
R3T 2N6
Tel: (204) 983-5163
Fax: (204) 984-2402

Dauphin District Office
Fisheries and Oceans Canada
101-1st Avenue N.W.
Dauphin, Manitoba
R7N 1G8
Tel: (204) 622-4060
Fax: (204) 622-4066

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TIMING WINDOWS

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MANITOBA IN-WATER CONSTRUCTION TIMING WINDOWS FOR THE PROTECTION OF FISH AND FISH HABITAT

Restricted activity timing windows have been identified for Manitoba lakes and streams to protect fish during spawning and incubation periods when spawning fish, eggs and fry are vulnerable to disturbance or sediment. During these spawning periods, no in-water or shoreline work is allowed except under site- or project-specific review and with the implementation of protective measures. Restricted activity periods are determined on a case by case basis according to the species of fish in the water body, whether those fish spawn in the spring, summer or fall, and whether the water body is located in Northern or Southern Manitoba.

Timing windows are just one of many measures used to protect fish and fish habitat when carrying out a work or undertaking in or around water. Be sure to follow all of the measures outlined in the Operational Statements to avoid negative impacts to fish habitat.

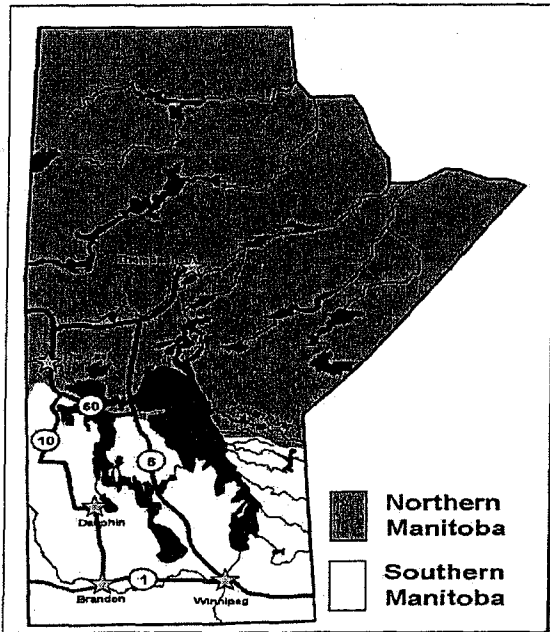


Figure 1: Southern and Northern Manitoba boundaries for spawning timing windows.

How To Determine Timing Windows

- Determine the fish species living in the water body where you wish to do work. Consult the Province of Manitoba Angling Map (available from the Government of Manitoba map sales) which details the fish present in most Manitoba lakes and streams or contact your local Fisheries and Oceans Canada (DFO) office. Pictures of most of these fish species can be found in the Manitoba Angler's Guide (sport fishing regulations).
- Determine if the fish living in the water body spawn in the spring, summer, or fall according to Table 1. You can have one, two or all three fish spawning types in one water body. In Manitoba, essentially all lakes and streams contain one or more of the spring spawning fish listed, however far fewer contain summer or fall spawning fish.
- Determine if the water body is located in Northern or Southern Manitoba according to Figure 1.
- Use Table 2 to determine the in-water work timing restrictions according to the location of a water body (North or South) and the type of fish found within (spring, summer or fall spawners). During these periods no in-water work (below the ordinary high water mark) is to occur without site- or project-specific review by DFO.

Table 1: Common spring, summer and fall spawning fish

Spring Spawning Fish	Summer Spawning Fish	Fall Spawning Fish
<ul style="list-style-type: none"> ▶ Northern Pike ▶ Walleye, Sauger ▶ Yellow Perch ▶ Suckers ▶ Smallmouth Bass ▶ Arctic Grayling 	<ul style="list-style-type: none"> ▶ Channel Catfish ▶ Lake Sturgeon ▶ Goldeye, Mooneye ▶ White Bass ▶ Freshwater Drum ▶ Carmine Shiner* 	<ul style="list-style-type: none"> ▶ Brook Trout ▶ Lake Trout ▶ Arctic Char ▶ Lake Whitefish

Table 2: Timing Windows when no in-water work is to occur in order to protect spawning fish and developing eggs and fry

	Spring Spawning Fish	Summer Spawning Fish	Fall Spawning Fish
Northern Manitoba	April 1 - June 15	May 1 - June 30*	September 15 - April 30
Southern Manitoba	April 1 - June 15	May 1 - June 30*	September 15 - April 30

* Carmine Shiner - This is a Species At Risk found only in Southern Manitoba in the Whitemouth River and its tributaries, the Bird River and its tributaries and the Pinawa Channel. This fish spawns from May 15 to July 15 and this extended summer spawning timing window should be applied to those water bodies where it is found.



Post-It™ Fax Note	7671E	Date	Jen/Jan	# of pages	1
To	GERRY TESSIER	From	D. BLACK		
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Fax #	3-1878	Fax #	3-3629		

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CEAA File No.: MP2005-081
MC File No.: 5156.00

JAN 3 - 2006

December 28, 2005

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| <input type="checkbox"/> INFC - N/A | <input checked="" type="checkbox"/> HC - Rick Grabowewky | <input type="checkbox"/> PARKS - N/A |
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| <input checked="" type="checkbox"/> DFO - K. Kristofferson | <input type="checkbox"/> INDUSTRY CANADA - N/A | <input type="checkbox"/> PWGSC - N/A |
| <input checked="" type="checkbox"/> DIAND - Danielle Black | <input type="checkbox"/> NEB - N/A | <input checked="" type="checkbox"/> TC - Anita Champagne |
| <input checked="" type="checkbox"/> EC - Reg Ejeckam | <input type="checkbox"/> NRCan - N/A | <input checked="" type="checkbox"/> WD - Bill Perlmutter |

SUBJECT: Pembina Valley Water Cooperative – Supplemental Groundwater Supply System (Sandilands Provincial Forest Source)

In accordance with Information-sharing requirements of the *Canada-Manitoba Agreement on Environmental Assessment Cooperation* (the Agreement), the Environmental Assessment and Licensing Branch, Manitoba Conservation (MC) has provided a copy of the above-referenced project proposal for federal review. The proposal is currently being considered by MC, pursuant to *The Environment Act*.

Please refer to your copy of the proposal documents for your departmental review. The purpose of the review will be:

- to determine whether, within your departmental mandate, you are likely to require an environmental assessment under the *Canadian Environmental Assessment Act* (the Act) with regard to the project (Section 5, CEAA trigger);
 Additional information required (please specify) _____ Yes _____ No *MA*
- to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and
 Specify as appropriate: _____ Yes _____ No *MA*
- to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
 Yes _____ No _____ *MA*

Please respond by fax at (204) 983-1878 at your earliest convenience, or before January 28, 2006. If your response to any of the above determinations is positive, please provide the name and means of contact for a departmental representative for the review.

Name: _____ Telephone: _____

Address: _____ Fax: _____

E-mail: _____

If you are choosing to participate in the provincial review in the absence of a federal trigger, you are requested to provide your comments directly to MC. The deadline for submitting comments is January 30, 2006, as noted on the accompanying material. If you are unable to meet this deadline, please contact MC as soon as possible.

If you have any questions, please contact me by telephone at (204) 984-8020 or by e-mail at: gerry.tessier@ceaa-acee.gc.ca.

Sincerely,

[Signature]
Gerry Tessier
Senior Program Officer

09-28 '06 JAN-03 052007

PC - DOCS
327935



Canadian Environmental Assessment Agency

Agence canadienne d'évaluation environnementale

123 Main Street, Suite 263
Winnipeg, Manitoba
R3C 4W2

123, rue Main, bureau 263
Winnipeg (Manitoba)
R3C 4W2

CEAA File No.: MP2005-081
MC File No.: 5156.00

December 28, 2005

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Please refer to your copy of the proposal documents for your departmental review.
The purpose of the review will be:

- to determine whether, within your departmental mandate, you are likely to require an environmental assessment under the *Canadian Environmental Assessment Act* (the Act) with regard to the project (Section 5, CEAA trigger);
_____ Additional information required (please specify) _____ Yes No
- to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and _____ Yes No
Specify as appropriate: Migratory Bird Convention Act & SARA
- to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
_____ Yes No

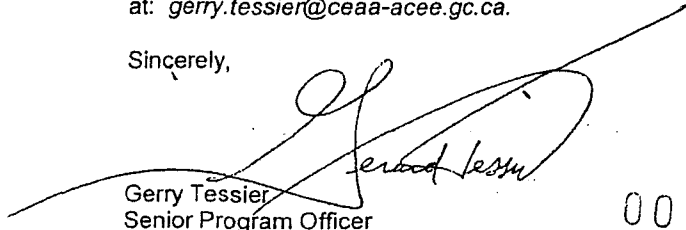
Please respond by fax at (204) 983-1878 at your earliest convenience, or before **January 28, 2006**. If your response to any of the above determinations is positive, please provide the name and means of contact for a departmental representative for the review.

Name: Reg Ejeckam Telephone: (204) 984-3522
 Address: 123 Main St. Suite 150 Fax: 204-983-0960
Winnipeg MB. R3C 4W2
 E-mail: reg.ejeckam@ec.gc.ca

If you are choosing to participate in the provincial review in the absence of a federal trigger, you are requested to provide your comments directly to MC. The deadline for submitting comments is January 30, 2006, as noted on the accompanying material. If you are unable to meet this deadline, please contact MC as soon as possible.

If you have any questions, please contact me by telephone at (204) 984-8020 or by e-mail at: gerry.tessier@ceaa-acee.gc.ca.

Sincerely,


 Gerry Tessier
 Senior Program Officer

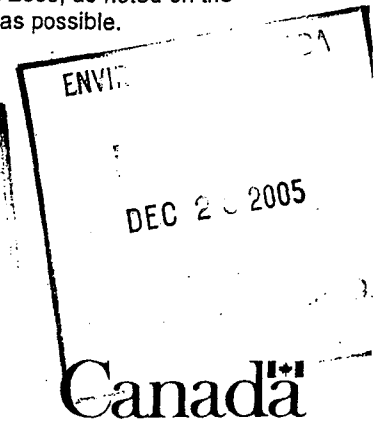
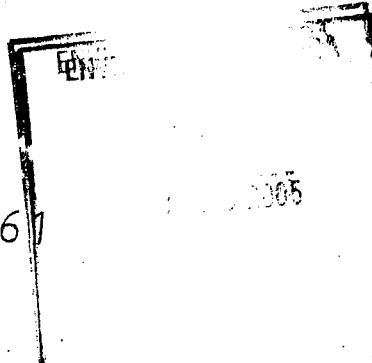
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Environmental Protection
Prairie & Northern Region
123 Main Street, Suite 150
Winnipeg, MB R3C 4W2

January 09, 2006

File: 4194-10 PNR-2736

MP2005-081

Ms. Tracy Braun
Environmental Assessment and Licensing Branch
Manitoba Conservation
123 Main Street, Suite 160
Winnipeg, MB. R3C 1A5

Dear Ms. Braun,

RE: Pembina Valley Water Cooperative-Supplemental Groundwater Supply System (Sandilands Provincial Forest Source).

Environment Canada (EC) received a copy of the above proposed project on December 28, 2005 from the Canadian Environmental Assessment Agency for review. EC would like to participate in the provincial review of the proposed project consistent with the intent of Clause 59 of the expired and Clause 61 of the proposed new Canada-Manitoba Agreement on Environmental Assessment Co-operation.

Environment Canada has reviewed the above project description proposed by Pembina Valley Water Cooperative Inc for the construction and operation of a supplemental groundwater supply system to augment its surface supplies. Environment Canada's interest relates primarily to our mandate under the *Migratory Birds Convention Act* and the *Species at Risk Act*.

EC provides the following comment:

The proposed environmental impact assessment for this project proposal has considered most environmental aspects reasonably well, and with respect to our areas of concern, it should be noted that in Section 4.1, page 10, "Wildlife Habitat", the proponent has very responsibly considered migratory bird impacts by scheduling clearing of the right-of-way after July 31, enabling most migratory birds to complete at least one nesting. It is therefore assumed that actual construction would follow after the clearing.

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This is a most responsible consideration of wildlife needs, and the Pembina Water Cooperative Inc. is to be commended.

Thank you for the opportunity to review the project proposal.

Yours sincerely,

Reg. B. Ejeckam, MSc., P. Geo.
Environmental Assessment & Contaminated Sites Coordinator
Environment Protection Branch. MB. Div
Phone: (204) 984-3522
Fax: (204) 983-0960
e-mail reg.ejeckam@ec.gc.ca
Internet: www.ec.gc.ca

Cc: Gerry Tessier CEAA
Rolly Wickstrom ECB
Barry Briscoe EPB

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HEALTH CANADA
510 LAGIMODIERE

CEAA File No.: MP2005-081
MC File No.: 5156.00

December 28, 2005

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| <input type="checkbox"/> INFC - N/A | <input checked="" type="checkbox"/> HC - Rick Grabowecy | <input type="checkbox"/> PARKS - N/A |
| <input type="checkbox"/> CTA - N/A | <input type="checkbox"/> HR Dev - N/A | <input checked="" type="checkbox"/> PFRA (AAFC) - Jodine MacDuff |
| <input checked="" type="checkbox"/> DFO - K. Kristofferson | <input type="checkbox"/> INDUSTRY CANADA - N/A | <input type="checkbox"/> PWGSC - N/A |
| <input checked="" type="checkbox"/> DIAND - Danielle Black | <input type="checkbox"/> NEB - N/A | <input checked="" type="checkbox"/> TC - Anita Champagne |
| <input checked="" type="checkbox"/> EC - Ræg Ejeckam | <input type="checkbox"/> NRCan - N/A | <input checked="" type="checkbox"/> WD - Bill Perlmutter |

SUBJECT: Pembina Valley Water Cooperative – Supplemental Groundwater Supply System (Sandilands Provincial Forest Source)

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Please refer to your copy of the proposal documents for your departmental review. The purpose of the review will be:

1. to determine whether, within your departmental mandate, you are likely to require an environmental assessment under the *Canadian Environmental Assessment Act* (the Act) with regard to the project (Section 5, CEEA trigger);
 _____ Additional information required (please specify) _____ Yes No

2. to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and Yes No
 Specify as appropriate: water management, water quality standards, toxicology etc.

3. to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
 _____ Yes No

Please respond by fax at (204) 983-1878 at your earliest convenience, or before **January 28, 2006**. If your response to any of the above determinations is positive, please provide the name and means of contact for a departmental representative for the review.

Name: RICK GRABOWECKY Telephone: (204) 984-8318
 Address: 510 LAGIMODIERE BLVD Fax: (204) 984-0461
WINNIPEG, MB R2J 3Y1
 E-mail: RICK-GRABOWECKY@HC-SC.GC.CA

If you are choosing to participate in the provincial review in the absence of a federal trigger, you are requested to provide your comments directly to MC. The deadline for submitting comments is January 30, 2006, as noted on the accompanying material. If you are unable to meet this deadline, please contact MC as soon as possible.

If you have any questions, please contact me by telephone at (204) 984-8020 or by e-mail at: gerry.tessier@ceaa-acee.gc.ca.

Sincerely,


 Gerry Tessier
 Senior Program Officer



Canadian Environmental Assessment Agency

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Response from
PFRA
Jan 4/06
[Signature]

CEAA File No.: MP2005-081
MC File No.: 5156.00

December 28, 2005

- INFC - N/A
- CTA - N/A
- DFO - K. Kristofferson
- DIAND - Danielle Black
- EC - Reg Ejeckam
- HC - Rick Grabowecy
- HR Dev - N/A
- INDUSTRY CANADA - N/A
- NEB - N/A
- NRCan - N/A
- PARKS - N/A
- PFRA (AAFC) - Jodine MacDuff
- PWGSC - N/A
- TC - Anita Champagne
- WD - Bill Perlmutter

SUBJECT: Pembina Valley Water Cooperative – Supplemental Groundwater Supply System (Sandilands Provincial Forest Source)

In accordance with information-sharing requirements of the *Canada-Manitoba Agreement on Environmental Assessment Cooperation* (the Agreement), the Environmental Assessment and Licensing Branch, Manitoba Conservation (MC) has provided a copy of the above-referenced project proposal for federal review. The proposal is currently being considered by MC, pursuant to *The Environment Act*.

Please refer to your copy of the proposal documents for your departmental review. The purpose of the review will be:

1. to determine whether, within your departmental mandate, you are likely to require an environmental assessment under the *Canadian Environmental Assessment Act* (the Act) with regard to the project (Section 5, CEAA trigger);
 _____ Additional Information required (please specify) _____ Yes 1 No

2. to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and _____ Yes 1 No
 Specify as appropriate: _____

3. to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
 _____ Yes 1 No

Please respond by fax at (204) 983-1878 at your earliest convenience, or before January 28, 2006. If your response to any of the above determinations is positive, please provide the name and means of contact for a departmental representative for the review.

Name: _____ Telephone: _____
 Address: _____ Fax: _____

 E-mail: _____

If you are choosing to participate in the provincial review in the absence of a federal trigger, you are requested to provide your comments directly to MC. The deadline for submitting comments is January 30, 2006, as noted on the accompanying material. If you are unable to meet this deadline, please contact MC as soon as possible.

If you have any questions, please contact me by telephone at (204) 984-8020 or by e-mail at: gerry.tessier@ceaa-acee.gc.ca.

Sincerely,

[Handwritten signature of Gerry Tessier]

Gerry Tessier
Senior Program Officer

Encl.

www.ceaa-acee.gc.ca  www.acee-ceaa.gc.ca





Canadian Environmental
Assessment Agency

Agence canadienne
d'évaluation environnementale

123 Main Street, Suite 263
Winnipeg, Manitoba
R3C 4W2

123, rue Main, bureau 263
Winnipeg (Manitoba)
R3C 4W2

CEAA File No.: MP2005-081
MC File No.: 5156.00

December 28, 2005

- | | | |
|--|---|--|
| <input type="checkbox"/> INFC - N/A | <input checked="" type="checkbox"/> HC - Rick Grabowecy | <input type="checkbox"/> PARKS - N/A |
| <input type="checkbox"/> CTA - N/A | <input type="checkbox"/> HR Dev - N/A | <input checked="" type="checkbox"/> PFRA (AAFC) - Jodine MacDuff |
| <input checked="" type="checkbox"/> DFO - K. Kristofferson | <input type="checkbox"/> INDUSTRY CANADA - N/A | <input type="checkbox"/> PWGSC - N/A |
| <input checked="" type="checkbox"/> DIAND - Danielle Black | <input type="checkbox"/> NEB - N/A | <input checked="" type="checkbox"/> TC - Anita Champagne |
| <input checked="" type="checkbox"/> EC - Reg Ejeckam | <input type="checkbox"/> NRCan - N/A | <input checked="" type="checkbox"/> WD - Bill Perlmutter |

SUBJECT: Pembina Valley Water Cooperative – Supplemental Groundwater Supply System (Sandilands Provincial Forest Source)

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The purpose of the review will be:

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Additional information required (please specify) _____ Yes No
- to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and _____ Yes No
Specify as appropriate: _____
- to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
_____ Yes No

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Name: _____ Telephone: _____
Address: _____ Fax: _____
E-mail: _____

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Sincerely,


Gerry Tessier,
Senior Program Officer

Encl.
www.ceaa-acee.gc.ca  www.acee-ceaa.gc.ca

Canada



Canadian Environmental Assessment Agency

Agence canadienne d'évaluation environnementale

123 Main Street, Suite: 263
Winnipeg, Manitoba
R3C 4W2

123, rue Main, bureau 263
Winnipeg (Manitoba)
R3C 4W2

W.E.F. MOBA
JAN 03 2006
CEAA File No: MP2005-087
MC File No: 5158-00

December 28, 2005

- INFC - N/A
- CTA - N/A
- DFO - K. Kristoferson
- DIAND - Daniela Black
- EC - Reg Ejeckim
- HC - Rick Grabowecy
- HR Dev - N/A
- INDUSTRY CANADA - N/A
- NEB - N/A
- NRCan - N/A
- PARKS - N/A
- PFRA (AAFC) - Jodine MacDuff
- PWGSC - N/A
- TC - Anita Champagos
- WD - Bill Perlmutter

From

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Additional information required (please specify) _____ Yes No
- to determine whether, within your departmental mandate, you would be able to offer specialist advice to a Responsible Authority if requested (subsection 12(3) of the Act); and
Specify as appropriate: _____ Yes No
- to determine whether, in the absence of a federal trigger, you have an interest in the project related to your departmental mandate, and you would like to participate in the provincial review (Clause 59 of the Agreement).
Yes No

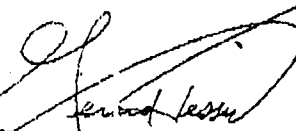
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Sincerely,



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