

Subject: Meadowbrook Village Wastewater Treatment Lagoon**File: 5890.00**

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

**Public Comments on the Environment Act
Proposal:**

No public comments were received during the public comment period.

No.	Technical Advisory Committee Member	Response Provided	Date Received
1	Manitoba Conservation and Climate (formerly, Sustainable Development)		
	<ul style="list-style-type: none"> • Compliance and Enforcement Branch • Climate Change and Air Quality Branch • Wildlife and Fisheries Branch • Parks and Protected Spaces Branch • Forestry and Peatlands Branch • Indigenous Relations Branch • Lands Branch • Groundwater Management Section • Office of Drinking Water • Water Use Licensing Section • Water Control Works Licensing Section • Regional Services Branch • Water Power Licensing 	No response No response No concerns No concerns No response No response No concerns Yes No concerns No response Yes No response No response	May 29, 2017 May 26, 2017 June 19, 2017 June 9, 2017 June 14, 2017 May 23, 2017
2	Manitoba Agriculture and Resource Development		
	<ul style="list-style-type: none"> • Water Quality Management Section 	No response	
3	Manitoba Sport, Culture, and Heritage – Historic Resources Branch	Yes	June 16, 2017
4	Manitoba Growth, Enterprise and Trade –		
	<ul style="list-style-type: none"> • Energy Development Branch • Petroleum Branch • Office of Fire Commissioner • Work Place Safety & Health 	No response No response No concerns No response	June 6, 2017
5	Manitoba Infrastructure –		
	<ul style="list-style-type: none"> • Highway Planning and Design Branch 	No concerns	June 14, 2017
6	Manitoba Indigenous and Municipal Relations	Yes	June 20, 2017
7	Manitoba Health, Seniors and Active Living – Environmental Health Unit	No comments	May 29, 2017

Dey, Asit (SD)

From: Roberts, Dan (SD)
Sent: May-23-17 11:15 AM
To: Dey, Asit (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00
Attachments: Application for Licence to Construct Water Control Works.pdf
Follow Up Flag: Follow up
Flag Status: Flagged
Categories: Take Action

Any water control works (drains, culverts, dykes, dams, etc.) associated with this project will require licensing under the *Water Rights Act* – an application is attached for the proponent's convenience. 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/officer_areas_of_focus_30mar2015.pdf

Sincerely,

Dan Roberts

Water Resource Officer
Water Science and Management Branch
Department of Sustainable Development
Box 6000, Building #1180, 75 - 7th Avenue,
Gimli, MB R0C 1B0
Cell: (204) 641-1331

Dey, Asit (SD)

From: +WPG1212 - Parks Circulars (SD)
Sent: May-26-17 11:13 AM
To: Dey, Asit (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

No comments or concerns.

Dey, Asit (SD)

From: Kiss, Brian (SD)
Sent: May-29-17 9:57 AM
To: Dey, Asit (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

No wildlife related concerns.

-Brian Kiss

Dey, Asit (SD)

From: Frykoda, Amy (HSAL)
Sent: May-29-17 10:30 AM
To: Dey, Asit (SD)
Subject: FW: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

No further comments.

Sincerely,

Dr. Amy Frykoda, MD, CCFP, MSc

Medical Officer of Health

Manitoba Health

P.O. Box 960

Minnedosa, Manitoba R0J 1E0

ph: (204) 867-8730

fax: (204) 867-2239

email: amy.frykoda@gov.mb.ca

Dey, Asit (SD)

From: Akinpelu, Ola (OFC)
Sent: June-06-17 11:58 AM
To: Dey, Asit (SD)
Subject: FW: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

Hello,

The OFC has no comments or concerns. Waste Water Treatment Lagoons are not regulated under The Building and Mobile Homes Act.

Thanks,
Ola

Dey, Asit (SD)

From: Frost, Laurie (SD)
Sent: June-09-17 10:31 AM
To: Dey, Asit (SD)
Cc: Phipps, Graham (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
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Categories: Take Action

In response to your request for comments on the EA Proposal for the Meadowbrook Village Domestic Wastewater Lagoon, the Groundwater Management Section is pleased to provide the following as it relates to the department's Information Bulletin – Environment Act Proposal Report Guidelines (December 2015).

Description of Existing Environment in the Project Area

- The biophysical environment as related to the development, including topographic and base maps and aerial photographs as necessary, as follows:
 - ... description of the regional groundwater conditions including aquifers, recharge areas, quality, wells, etc;

Sections 3.3 Soil Conditions and 3.4 Groundwater of the EAP provides information on the general soil stratigraphy and groundwater at the proposed lagoon site. However there is no information on the hydrogeology of the proposed site. For example, there is no description of the aquifer system (such as aquifer type and expected depth, and type/thickness of soils separating the proposed lagoon and any underlying aquifer) or information on nearby groundwater users (such as the Meadowbrook Village public water supply well or private water wells). This type of information is necessary to assess the potential environmental risk of the proposed lagoon on the local aquifer system and neighbouring groundwater users.

Manitoba's GWDrill database contains well information reports in the vicinity of the proposed lagoon that may provide valuable soil, aquifer and water well information. A synopsis report titled "Groundwater Resources in the Brandon Area Planning District", March 1981, Manitoba Department of Natural Resources, Water Resources Branch is also available.

Description of Environmental and Human Health Effects of the Proposed Development

- Potential impacts of the development on the environment, including, but not necessarily limited to:
 - impact on biophysical environment, including wildlife, fisheries, surface water, groundwater, and forestry resources

Section 4.1.2 Operation (as part of Impact on Biophysical Environment) of the EAP states: "*Following lagoon construction, no impact is expected on local groundwater. A properly designed and functioning lagoon will not allow wastewater to infiltrate into the surrounding environment except during wastewater discharge, which only occurs once wastewater has been treated to acceptable levels.*"

A properly designed and functioning lagoon (as a remoulded clay-lined lagoon with a minimum hydraulic conductivity of 1×10^{-7} cm/s or less) will minimize the infiltration of wastewater into the surrounding environment. However, in the event of a leakage of wastewater from the lagoon, consideration should be given to whether there may be any potential impact on the local groundwater taking into account the type of soils/distance separating the lagoon and local aquifer.

- Potential impacts of the development on human health and safety, including, but not necessarily limited to:

- potential impact on human health and safety resulting from any release of pollutants, including a human health risk assessment.

In regards to the release of any pollutants into the local groundwater, consideration should be given to the potential impact the proposed lagoon may have on human health and safety (ex., such as any potential impact on neighbouring groundwater users).

Mitigation Measures and Residual Environmental Effects

- Proposed environmental management and risk mitigation practices to be employed to prevent or mitigate adverse implications from the impacts identified above...

Information should be provided based on any potential impacts the development may have on the environment or human health and safety.

Regards,

Laurie Frost, M.Sc., P.Eng.
Hydrogeologist
Groundwater Management Section
(204) 945-3737





Infrastructure

Highway Planning and Design Branch
Environmental Services Section
1420 - 215 Garry St., Winnipeg, MB R3C 3P3
T (204) 771-4941 F (204) 945-0593

June 14, 2017

Tracey Braun, M. Sc.
Director, Environmental Approvals Branch
Manitoba Sustainable Development
123 Main St., Suite 160
Winnipeg, MB R3C 1A5

RE: 6843191 Manitoba Ltd. - Meadowbrook Village WWTL
Client File No. 5890.00

Dear Ms. Braun:

MI has reviewed the proposal under the *Environment Act* noted above and we do not have any concern with the proposed development.

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

Sincerely,

Kimber Osiowy, M. Sc., P. Eng.
Manager of Environmental Services

Dey, Asit (SD)

From: Drimes, Daniel (SD)
Sent: June-14-17 3:23 PM
To: Dey, Asit (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

Hi Asit,

The Office of Drinking Water has reviewed the above-noted EAP and has no concerns regarding drinking water safety.

Thank you,

Daniel Drimes, C.E.T.
Approvals Technologist, Office of Drinking Water
Department of Sustainable Development
1007 Century St.
Winnipeg, MB, R3H 0W4
Cell: 204-945-8315
Fax: 204-945-1365

The Earth is Our Mother, Treat her With Respect. Paper is trees.

DATE: 2017-06-16

TO:

Asit DEY
Environmental Engineer
Manitoba Sustainable
Development
(204) 945-8321
Asit.Dey@gov.mb.ca

FROM: Holly COTE

Municipal Heritage Consultant
Historic Resources Branch
Main Floor – 213 Notre Dame Avenue
Winnipeg, Manitoba
R3B 1N3

PHONE NO: (204) 945-7259
FAX: (204) 948-2384
E-MAIL: Holly.Cote@gov.mb.ca

SUBJECT: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon
- File: 5890.00

HRB File: AAS-17-11849

Concerns.

Further to your request for review and comments regarding the proposed Meadowbrook Wastewater Treatment Lagoon in NE 33-10-18 WPM, the Historic Resources Branch has examined the location in conjunction with Branch records for areas of potential concern. The potential to impact significant heritage resources has been deemed high in this area, therefore, the Historic Resources Branch has concerns with the project.

Under Section 12(2) of The Heritage Resources Act, if the Minister of Sport, Culture and Heritage has reason to believe that heritage resources or human remains are known, or thought likely to be present, on lands that are to be developed, then the owner/developer is required to conduct at his/her own expense, a Heritage Resource Impact Assessment (HRIA) and mitigation, if necessary, prior to the project's start.

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

Since heritage resources have been deemed high in the immediate vicinity of the development, **EAPs must have a provision concerning the possibility of accidentally encountering heritage sites as well as a plan outlining the appropriate measures to mitigate the impacts upon such an encounter.** Such a plan includes a stop work order and immediately contacting the Historic Resources Branch and/or the Rural Municipality.

If you have any questions or comments, please feel free to contact the Branch as above.

Manitoba Historic Resources Branch
Archaeological Assessment Services Unit

Dey, Asit (SD)

From: +WPG1212 - Conservation_Circulars (SD)
Sent: June-19-17 1:52 PM
To: Dey, Asit (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

Good Afternoon

Lands branch SD has no comments/concerns as regards Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Thank you for the opportunity to review

Winifred Frias

Crown Land Programs Administrator
Lands Branch
Department of Sustainable Development
200 Saulteaux Crescent, Box 25
Winnipeg, Manitoba R3J 3W3 CANADA
Phone: (204) 945-4524
Facsimile: (204) 948-2197



Please consider the environment before printing this e-mail

Dey, Asit (SD)

From: Sumner, Kevan (IMR)
Sent: June-20-17 3:25 PM
To: Dey, Asit (SD)
Subject: RE: Request for review/comment - Meadowbrook Wastewater Treatment Lagoon - File: 5890.00

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Take Action

I have reviewed the proposal on behalf of the Community and Regional Planning Branch. We have identified no concerns with the proposed project. We remind the applicants that if they haven't already, they should contact the Brandon and Area Planning District regarding any necessary permits that may be required prior to construction. We note that the proposed lagoon expansion is located closer to nearby dwelling units than the 457.2m setback required under the Rural Municipality of Cornwallis Zoning By-law No. 1664/03/2016. A Variation Order will be required from the Rural Municipality of Cornwallis prior to any development of the site related to the establishment of the new lagoon.

Kevan W. Sumner
Regional Manager
Community and Regional Planning - Brandon Regional Office
Unit 1B, 2010 Currie Blvd., Brandon, MB R7B 4E7
Ph: (204) 726-6271
Email: kevan.sumner@gov.mb.ca