



Conservation and Water Stewardship

Climate Change and Environmental Protection Division
Environmental Approvals Branch
123 Main Street, Suite 160, Winnipeg Manitoba R3C 1A5
T 204 945-8321 F 204-945-5229
www.gov.mb.ca/conservation/eal

File: 125.10

September 26, 2013

Dick Menon, P.Eng.
Project Manager
Dillon Consulting Ltd.
1558 Willson Place
Winnipeg, MB R3T 0Y4

Dear Mr. Menon:

Re: Rural Municipality of Argyle – Baldur Wastewater Treatment Lagoon – Environment Act Proposal

The initial review of the Environment Act Proposal (EAP) regarding the Rural Municipality of Argyle – Baldur Wastewater Treatment Lagoon has been completed.

The review has generated comments/requests for additional information. Please respond to the comments and requests from the Technical Advisory Committee (TAC) presented in the attached item being:

1. Memorandum from Water Quality Management Section, Water Science and Management Branch, Manitoba Conservation and Water Stewardship, dated July 31, 2013;
2. E-mail from Environmental Services Section, Highway Planning and Design Branch – Manitoba Infrastructure and Transportation, dated July 16, 2013;
3. E-mail from Fisheries Science and Fish Culture Section, Fisheries Branch, Manitoba Conservation and Water Stewardship, dated August 13, 2013;
4. Memorandum from Historic Resource Branch, Manitoba Culture, Heritage and Tourism, dated August, 2013; and
5. E-mail from Groundwater Management Section, Water Science and Management Branch - Manitoba Conservation and Water Stewardship, dated July 22, 2013.

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Please address and respond to the comments and requests for additional information. The EAP review process will continue upon receipt of your response.

If you have any questions please contact me at (204) 945-2614 or by e-mail at Rafiqul.Chowdhury@gov.mb.ca.

Yours truly,

“Originally signed by”

Rafiqul Chowdhury, M.Eng., P.Eng
Environmental Engineer

Attachment

- c. Tim Prawdzik, Provincial Manager, Environmental Compliance and Enforcement Branch
Public Registries



DATE: July 31, 2013

Memorandum

TO: Rafiqul Chowdry
Environmental Approvals Branch
160-123 Main Street, Winnipeg,
MB
R3C 1A5

FROM: Joy Kennedy
Water Quality Management Section
Water Science and Management Branch
160-123 Main Street, Winnipeg, MB
R3C 1A5

Cc: David Hay

TELEPHONE: 945-7908

FACSIMILE: 948-2357

EMAIL: joy.kennedy@gov.mb.ca

SUBJECT: *ENVIRONMENT ACT PROPOSAL FILE: 125.10 ARGYLE EXISTING SEWAGE LAGOON*

- Chemically precipitated phosphorous leads to increased reliance on chemicals and a greatly reduced ability to recycle valuable nutrients contained in biosolids and sludge. The Water Quality Management Section encourages the use of effluent irrigation, constructed wetlands, and trickle discharge to remove nutrients from wastewater. The Water Quality Management Section recommends trickle discharge of 4 – 6 weeks as a license condition of this lagoon.
- The Water Quality Management Section is concerned with any discharges that have the potential to impact the aquatic environment and/or restrict present and future uses of the water. Therefore it is recommended that the license require the proponent to actively participate in any future watershed based management study, plan/or nutrient reduction program, approved by the Director.



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

July 16, 2013

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

RE: RM of Argyle – Town of Baldur's Existing WWTL
Client File No 125.10

Dear Ms. Braun:

MIT has reviewed proposal noted above and while we do not have concerns with the Environment Act Proposal, we would like to offer the following reminders:

- The proponent should be informed that, under the Highways Protection Act, any new, modified or relocated access connection onto a Provincial Trunk Highway (PTH) will require a permit from Highway Traffic Board.
- A permit may also be required from MIT for:
 - Any construction (above or below ground level) within 38.1 m (125 ft) from the edge of the right-of-way of PTH 23;
 - Any plantings within 15.2 m (50 ft) from the edge of the right of way of PTH 23; or
 - Discharge of water or other liquid materials into the ditch on PTH 23.
- Permit applications can be obtained by contacting Ashley Beck at the Brandon Office at (204) 726-7000 or 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

From: Janusz, Laureen R (CWS)
Sent: August-13-13 8:23 AM
To: Chowdhury, Rafiqul (CWS)
Cc: Bruederlin, Bruno (CWS); Long, Jeff (CWS)
Subject: RE: EAP 125.10 RM of Argyle - Baldur Wastewater Treatment Lagoon due Aug 12 2013 Oak Creek

Hi Rafiqul,

Fisheries Branch has reviewed this proposal for the Baldur sewage lagoon located in E1/4 13-5-14 W which has been in operation since 1966. The lagoon consists of a primary and secondary clay lined cells and effluent is discharged from the secondary lagoon via a discharge pipe into Oak Creek. Oak Creek joins the Souris River a few miles west of the confluence with the Assiniboine River.

The proposal is somewhat confusing in that the main report indicates the lagoon is adequately sized therefore no upgrades are required yet in the report in Appendix C it states *the existing primary cell is organically undersized for the design loading and cannot take trucked seepage ...and is hydraulically overloaded even with the removal of the proposed upgraded WTP reject water to Oak Creek*. It appears in the past that there has also been some discharge from the primary cell into Oak Creek during times of high water levels. While they have appeared to fix that problem it isn't clear how they will address the lagoon being undersized which could lead to the need for emergency releases. Also seepage does appear to be occurring (total seepage from the entire lagoon not expected to exceed 115L/day) and given the proximity to the creek we question the statement that *the impact on any species in the watershed is very minimal*. We'd appreciate some clarification on the sizing of the primary and whether in fact the clay lining meets specifications.

As noted in the report Oak Creek is considered Type A habitat and does support both small and large bodied fish. It is important that the effluent meet or exceed Manitoba Water Quality Standards Objectives and Guidelines for Aquatic Life and that discharge occur during the June 16 to Oct 31st window. We would be supportive of a clause in the licence that requires the proponent to monitor water quality upstream and downstream of the discharge point for a specified time period but defer to the recommendations of our colleagues in Water Science Management on this and other water quality related aspects.

Thanks Rafiqul.

Laureen Janusz
Fisheries Science and Fish Culture Section
Fisheries Branch
Conservation and Water Stewardship
Phone: 204 945-7789
Cell: 204 793-1154
Email: Laureen.Janusz@gov.mb.ca

DATE: Aug, 2013

TO: Rafiqul Chowdhury
Environmental Engineer
Mines & Wastewater Section
Environmental Approvals
Branch
Conservation & water
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160-123 Main St.
Winnipeg, MB
R3C 1A5

FROM: Perry Blomquist
Archaeological
Services Officer
Historic Resources
Branch
Main Floor 213 Notre
Dame Avenue
Winnipeg MB
R3B 1N3

SUBJECT: Baldur Wastewater Treatment Lagoon
Environment Act proposal
File: 125.10

PHONE NO: (204) 945-1071

HRB FILE: AAS-13-6357

Further to your memo regarding the above-noted Environment Act Proposal , I have examined the locations in conjunction with Branch records for areas of potential concern. There are no previously recorded heritage site(s) located within the immediate areas proposed for development; the potential to impact significant heritage resources has been deemed low in the delineated area therefore, the Historic Resources Branch has no concerns with the project.

If at any time however, heritage resources are encountered in association with these lands during development, the Historic Resources Branch may require that an acceptable heritage resource management strategy be implemented by the developer to mitigate the affects of development on the heritage resources.

If you have any questions or comments, please feel free to contact me (Perry Blomquist), Archaeological Assessment Services at: 945-1071.

Perry Blomquist

From: Phipps, Graham (CWS)

Sent: July-22-13 4:12 PM

To: Chowdhury, Rafiqul (CWS)

Subject: RE: Proposal for comment & Review - Rural Municipality of Argyle - Baldur Wastewater Treatment Lagoon File: 125.10

The application states that the previous "geotechnical investigation indicated that there will be minimal concern for contamination to the potable groundwater water supply". Therefore it would be useful for purpose of review if the complete Stantec 2005-06 Geotechnical Investigation report was provided as background information including the test hole logs. Section 5.5 did not contain information on the depth of the aquifer located at the site, the local geology or local groundwater conditions that would be expected.