

(In reply, please refer to)

Our File: 13-7248



October 8, 2013

Manitoba Conservation and Water Stewardship
Environmental Approvals Branch
123 Main Street, Suite 160
Winnipeg, MB R3C 1A5

Attn: Mr. R. Chowdhury, M.Eng., P.Eng
Environmental Engineer

**Re: RM of Argyle- Baldur Lagoon
Environment Act Proposal**

Dear Mr. Chowdhury:

On behalf of the RM of Argyle, I am pleased to submit additional comments in response to your letter of September 26, 2013. Our responses to the information requested by your Technical Advisory Committee are attached herein.

Please feel free to contact me if I can be of further assistance, by phone: 204-453-2301 or by email: dmenon@dillon.ca.

Yours Sincerely,

DILLON CONSULTING LIMITED



R. Menon, FEC, P.Eng.
Project Manager

cc: Ms. Midge Anderson
Mr. Darcy Dearsley

RM/km
encl.

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RM of Argyle (Baldur) Wastewater Treatment Lagoon

EAP Review: Responses to TAC

1. MB C & WS: Water Quality Management Section:

Q: *Reliance on chemical precipitation of phosphorous?*

A: The community has a population below 500 and is not growing. There aren't any cost effective methods for reducing phosphorous for small communities other than through chemical precipitation. We believe that P limits for Baldur is not required, as the effluent has to travel over 50 km of drains/dry creek to get to Souris River.

Q: *Need for a trickle discharge?*

A: The treated effluent has to travel over 50 km of drains/dry creek before reaching Souris River. Therefore, a trickle discharge is not warranted.

Q: *Impact on the Environment?*

A: The lagoon has been in operation for 47 years. There has not been any issue about its potential impact on the environment.

2. MIT: Environmental Services Section:

Q: *Permit for new, modified or relocated access to PTH # 23?*

A: There is no direct access to PTH # 23 from the lagoon.

Q: *Permit to construct and operate and discharge treated effluent into the ditch?*

A: The lagoon has been in operation since 1966 under a provincial permit. No changes have been made to the mode of operation.

3. MB C & WS: Fisheries Branch:

Q: *Lagoon loadings?*

A: The lagoon is not overloaded, either hydraulic or organic. As pointed out in the EAP, an issue arose in the mid 2000's, during a wet year, where the creek was flowing into the village lift station continuously, causing overloading. This issue has been rectified.

Q: *Impact on aquatic life in Oak Creek?*

A: There is a rock weir on Oak Creek, in town, upstream of the lagoons. Thus during most of the summer months the downstream side of the lagoon, where it discharges, is dry (i.e. no flow) for most of the summer months. Any impact on aquatic life would be minimal.

4. MB Culture, Heritage and Tourism:

Q: *No question. Essentially a statement.*

A: No answer required. This EAP is essentially a process to license operating lagoons, built prior to the present Environment Act.

5. MB C & WS: Groundwater Management Section:

Q: *2005-06 Stantec report.*

A: The RM does not have a copy of the report. We didn't pursue it further because the loading assumptions were based on flows that were caused due to the creek flows into the lift station. This problem has been rectified and the lagoon appears to be operating within the rated capacity.