

**Webb, Bruce (SD)**

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**To:** Steele, Tania (SD)  
**Subject:** Manitoba Hydro - Laurie River Generating Stations Wastewater Treatment Lagoon File:  
5632.00

The attached information can be posted to the public registries for the above project (Legislative Library, Millennium Library and Online):

***Additional Information*** – no additional information required.

***Public Comments on Environment Act Proposal*** – no public comments received.

***Technical Advisory Committee Comments on Environment Act Proposal*** – 8 pages

Manitoba Sustainable Development – Wildlife and Fisheries Branch, April 15, 2013

Manitoba Sustainable Development – Parks and Natural Areas Branch, April 11, 2013

Manitoba Sustainable Development – Lands Branch, April 10, 2013

Manitoba Sustainable Development – Office of Drinking Water, April 12, 2013

Manitoba Sustainable Development – Water Use Licensing Section, March 11, 2013

Manitoba Growth, Enterprise and Trade – Office of the Fire Commissioner, March 25, 2013

Manitoba Infrastructure – Highway Planning and Design Branch, Environmental Services Section, March 18, 2013

Manitoba Health – Medical Officer of Health, Northern Health Region, March 15, 2013

Bruce.

## **Boswick, Robert (CON)**

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**From:** Janusz, Laureen R (MWS)  
**Sent:** April-15-13 3:15 PM  
**To:** Boswick, Robert (CON)  
**Cc:** Macdonald, Don (MWS); Long, Jeff (MWS)  
**Subject:** EAP 5632 MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon due: April 15, 2013

Hi Robert,

Fisheries Branch has reviewed this proposal to construct and operate a new Laurie River wastewater treatment lagoon (clay lined primary and secondary cell) approximately 69 km south of the Town of Lynn Lake.

### **Background Information**

The project works include a gravity sewer, lift station, forcemain, access road, outfall and effluent ditch. There will also be new water and sewer pipelines installed as well as new holding tanks and related infrastructure at GS#1 and GS#2 and decommissioning of existing RBC (rotating biological contractor) and sewer pipelines. The new wastewater treatment lagoon is required as the current RBC provides minimal wastewater treatment. The project is approximately 69 km south of the Town of Lynn Lake.

The effluent will be discharged from the secondary cell through a 200 mm HDPE pipe, flowing along ~200 m of existing drainage through 500 m of natural wetland and out to the Laurie River. The proponents propose a "trickle" discharge over a three week period as the method to achieve the 1 mg/L phosphorous limit prior to the effluent entering the river. The ammonia level in the effluent at the time of discharge is expected to be ~1.0 mg/L. The proponents indicate that this is the parameter posing the highest potential for direct impacts to biota in the marsh however under a *theoretical extreme condition they have derived that unionized ammonia concentration would be 1.41 mg/L NH<sub>3</sub>* which is lower than the acutely toxic concentrations of ammonia for Daphnia and other aquatic organisms that might be present in the fall. *The proposed lagoon will be discharged over a three week period at an approximate rate of 55 L/min or 3.3 m<sup>3</sup>/hour. At the expected discharge rate, the effluent is expected to make up the majority of the flow within the effluent drainage channel however, the effluent discharge rate is significantly less (0.37%) than that of the Laurie River (24.58 m<sup>3</sup>/s average between June-October) and would negligibly contribute flow to the Laurie River.*

### **Fisheries Branch Comments**

While we have no information in Head Office regarding fish species in Laurie River, we do know this river supports recreationally important fish species as, at least the reach from the Saskatchewan border east to the railway line, it is managed as a High Quality Management Water.

Based on the information provided it would appear that as long as the effluent meets or exceeds Manitoba Water Quality Standards, Objectives and Guidelines and they implement as necessary erosion and sediment control measures during and after construction until the site has stabilized, any potential fisheries concerns relative to water quality should be addressed. There would be value in confirming their predictions in terms of phosphorous and particularly ammonia levels however we defer to the recommendation of our colleagues in Water Science Management on this.

They indicate that the effluent will be discharged between June 16<sup>th</sup> and October 31<sup>st</sup> which is the window used for southern Manitoba. Is it the same for northern Manitoba?

While they are replacing the raw water intake pipeline there is no indication whether the current intake will be screened to meet DFO's Freshwater Intake End-of-Pipe Fish Screen Guidelines. It is important that the intake be screened to prevent the entrainment/impingement of fish.

Don if you have any additions or corrections please email Robert and cc me. Thanks.

## **Boswick, Robert (CON)**

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**From:** Kelly, Jason (CON)  
**Sent:** April-11-13 8:50 AM  
**To:** Boswick, Robert (CON)  
**Subject:** Request for review & comments: MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00 - Comments due: April 15, 2013

Parks and Natural Areas Branch has reviewed the proposal filed pursuant to the Environment Act for the MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00. The Branch has no comments to offer as this does not impact any parks or ecological reserves.

Jason Kelly, M.N.R.M.  
Ecological Reserves and Protected Areas Specialist  
Parks and Natural Areas Branch  
Conservation and Watersewardship  
Box 53, 200 Saulteaux Cres  
Winnipeg, MB R3J 3W3

Phone: 204-945-4148  
Cell:  
Fax: 204-945-0012

Email: [Jason.Kelly@gov.mb.ca](mailto:Jason.Kelly@gov.mb.ca)

## **Boswick, Robert (CON)**

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**From:** Kaita, Adara (CON) on behalf of +WPG1212 - Conservation\_Circulars (CON)  
**Sent:** April-10-13 8:35 AM  
**To:** Boswick, Robert (CON)  
**Subject:** EA Proposal - MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00

Hi Robert,

The Sustainable Resource and Policy Management Branch has no concerns. The Lands Branch has no concerns and notes that the Regional Forest Manager will conduct a timber assessment to assess timber dues on the affected area.

**Adara Kaita**  
Crown Land Programs and Policy Manager  
Conservation and Wildlife Stewardship  
Box 25, 200 Southport, Ontario  
Whitby, ON R3B 3W3  
Cell: (709) 945-6101  
E: (204) 948-7197

## **Boswick, Robert (CON)**

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**From:** Stibbard, James (MWS)  
**Sent:** April-12-13 10:20 AM  
**To:** Boswick, Robert (CON)  
**Subject:** Re: EAP 5632.00 Mb. Hydro Laurie River GS, Proposed Wastewater Lagoon

Rob,

I reviewed the above noted EAP for a new wastewater lagoon at the Hydro Camp at Laurie River GS. The EAP notes the lagoon effluent will be treated to Manitoba standards before return to the environment. There is no other public water system anywhere within many miles of the Laurie River GS site.

As such, based upon the information in the EAP, Office of Drinking Water has no concerns with the EAP or proposed development.

I trust this is satisfactory, but if you have any concerns, please call.

Regards,

**James Stibbard P. Eng.**

Approvals Engineer  
Office of Drinking Water  
1007 Century Street  
Winnipeg MB R3H 0W4  
phone: (204) 945-5949  
fax: (204) 945-1365  
email: [James.Stibbard@gov.mb.ca](mailto:James.Stibbard@gov.mb.ca)  
website: [www.manitoba.ca/drinkingwater](http://www.manitoba.ca/drinkingwater)

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**Webb, Bruce (SD)**

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**Subject:** FW: Request for review & comments: MB Hydro - Laurie River Generating Station  
Wastewater Treatment Lagoon File: 5632.00 - Comments due: April 15, 2013

**From:** Matthews, Rob (MWS)

**Sent:** March-11-13 3:12 PM

**To:** Boswick, Robert (CON)

**Subject:** RE: Request for review & comments: MB Hydro - Laurie River Generating Station Wastewater Treatment  
Lagoon File: 5632.00 - Comments due: April 15, 2013

No concerns.

## **Boswick, Robert (CON)**

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**From:** Kubish, Cheryl (OFC)  
**Sent:** March-25-13 12:02 PM  
**To:** Boswick, Robert (CON)  
**Subject:** RE: Request for review & comments: MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00 - Comments due: April 15, 2013

The OFC has reviewed the proposal and has no comments.

Cheryl Kubish  
Administrative Assistant  
Office of the Fire Commissioner  
508-401 York Avenue  
Winnipeg  
Phone: 945-3328  
Fax: 948-2089

E-Mail address: [Cheryl.Kubish@gov.mb.ca](mailto:Cheryl.Kubish@gov.mb.ca)

**From:** Steele, Tania (CON)  
**Sent:** March-11-13 2:37 PM  
**To:** Schindler, Dennis (MAFRI); Kaita, Adara (CON); Labossiere, Don (CON); Molod, Rommel (CON); Streich, Laurie (CON); Duncan, James (CON); Wiens, Jonathan (CON); Elliott, Jessica (CON); Dojack, John (CON); Gilbertson, Mike (CON); Missyabit, Ron (CON); Gurney, Sharon (MWS); Phipps, Graham (MWS); Janusz, Laureen R (MWS); Stibbard, James (MWS); Matthews, Rob (MWS); Reimer, Geoff P (MWS); +WPG574 - HRB (CHT); Cunningham, Neil (CON); Roberecki, Susan (HEALTH); Roberts, Tracy (HEALTH); +WPG969 - MIT Environmental Services Section (MIT); Shaler, Samantha (MLG); 'CEAAPrairieProjects@ceaa-acee.gc.ca'; 'EASouthPNR@ec.gc.ca'; Allum, Brad (MIT); Roberts, Pierce (CON); Schafer, Dave (OFC); Kubish, Cheryl (OFC); Hastman, David (CON)  
**Cc:** Boswick, Robert (CON)  
**Subject:** Request for review & comments: MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00 - Comments due: April 15, 2013

Your review and comment would be appreciated for the attached Proposal submitted pursuant to *The Environment Act*:

[http://www.gov.mb.ca/conservation/eol/registries/5632laurie\\_river/index.html](http://www.gov.mb.ca/conservation/eol/registries/5632laurie_river/index.html)

The contact person assigned to co-ordinate review and assessment of the Proposal is:

**Robert Boswick**  
**Telephone: 204-945-6030**  
**E-Mail:** [robert.boswick@gov.mb.ca](mailto:robert.boswick@gov.mb.ca)

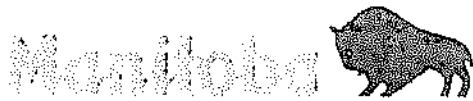
Please indicate to the contact person if you are unable to review the proposal. A non-reply will be considered as indicating your department has reviewed the proposal and has no concerns.

Any comments you have on the Proposal should be emailed by [robert.boswick@gov.mb.ca](mailto:robert.boswick@gov.mb.ca)

Replies to this email will automatically go to **Robert Boswick**.

**\*\*No hard copies will be provided\*\***

Thank you.



**Infrastructure and Transportation**

Highway Planning and Design Branch  
Environmental Services Section  
1420 – 215 Garry St., Winnipeg, MB R3C 3P3  
T (204) 619-4359 F (204) 945-0593

March 18, 2013

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

RE: MB Hydro – Laurie River Generating Station Wastewater Treatment Lagoon  
Client File No 5632.00

Dear Ms. Braun:

MIT has reviewed The Environment Act Proposal noted above and we do not have concerns with the development as proposed.

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

Sincerely,

Ryan Coulter, M. Sc., P. Eng.  
Manager of Environmental Services



## Boswick, Robert (CON)

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**From:** Randy Gesell [RGesell@brha.mb.ca]  
**Sent:** March-15-13 4:06 PM  
**To:** Boswick, Robert (CON)  
**Subject:** FW: Request for review & comments: MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00 - Comments due: April 15, 2013

Hello Robert,

My usual comments on human health impacts of projects such as these include the potential positive impact of utilizing local resources (including human) as much as possible in completing this project, including the development of local capacity when possible. Northern resource utilization/extraction projects often have significant risks to the environment and subsequently to northern communities, but there is also great potential for a positive impact on northern health through such utilization and development of northern capacity. I would be interested at some point in discussing use of the licensure process to ensure this is being given priority in northern projects.

Thanks,

Randy Gesell

Medical Officer of Health  
Northern Health Region

867 Thompson Drive South  
Thompson, Manitoba R8N 1Z4

Phone (204) 334-7169  
Fax (204) 416-4981  
e-mail rgesell@brha.mb.ca

**From:** Roberts, Tracy (HEALTH) [Tracy.Roberts@gov.mb.ca]  
**Sent:** Tuesday, March 12, 2013 12:23 PM  
**To:** Randy Gesell  
**Cc:** Roberecki, Susan (HEALTH)  
**Subject:** FW: Request for review & comments: MB Hydro - Laurie River Generating Station Wastewater Treatment Lagoon File: 5632.00 - Comments due: April 15, 2013

More information.

*Tracy Roberts  
Executive Assistant  
Public Health Branch  
Manitoba Health  
Attn: Tracy.Roberts@gov.mb.ca  
Ministry MB R3B 0M7  
Ph: (204) 986-4411  
Email: Tracy.Roberts@gov.mb.ca*

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