

**Webb, Bruce (CWS)**

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**Subject:** FW: TAC Review - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - DUE JULY 18, 2013 - Class 2 Water Development and Control project

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**From:** Hawryliuk, Yvonne (CWS)  
**Sent:** July-18-13 11:42 AM *BW*  
**To:** Webb, Bruce (CWS)  
**Subject:** FW: TAC Review - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - DUE JULY 18, 2013 - Class 2 Water Development and Control project

We have not concerns at this point in time

*Please note change in address*

**Yvonne Hawryliuk, M.Sc.**  
**Regional Supervisor - Central Region - South Environment Officer**  
**Conservation and Water Stewardship - Environmental Compliance and Enforcement**  
**Ste. 160 123 Main Street (Box 60) Winnipeg MB R3C 1A5**  
**Phone: (204) 945-5305**  
**Fax: (204) 948-2338**  
**email: [Yvonne.Hawryliuk@gov.mb.ca](mailto:Yvonne.Hawryliuk@gov.mb.ca)**

**24 hr Environmental Emergency Response Line 1-855-944-4888**

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**Webb, Bruce (CWS)**

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**Subject:** FW: Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

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**From:** Molod, Rommel (CWS)

**Sent:** June-19-13 8:42 AM

**To:** Webb, Bruce (CWS) *BW*

**Cc:** Streich, Laurie (CWS)

**Subject:** RE: Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

Bruce, Air Quality has reviewed the above proposal and have no comment. The proposal has no significant impact on air quality.

Thank you for the opportunity to review.

Rommel

**Webb, Bruce (CWS)**

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**From:** Kaita, Adara (CWS) on behalf of +WPG1212 - Conservation\_Circulars (CWS)  
**Sent:** July-18-13 10:01 AM  
**To:** Webb, Bruce (CWS) *BW*  
**Cc:** Campbell, Lyle (CWS)  
**Subject:** EA Proposal - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - Class 2 Water Development and Control project - File No. 5651

Hi Bruce,

The Watershed and Protected Areas Branch and the Lands Branch have no concerns with the EA proposal. It is noted that this development is located on privately owned land.

Thanks,

**Adara Kaita**

Crown Land Programs and Policy Manager  
Conservation and Water Stewardship  
Box 25, 200 Sauiteaux Crescent  
Winnipeg, MB R3J 3W3  
Cell: (204) 945-6301  
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## **Webb, Bruce (CWS)**

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**From:** Kelly, Jason (CWS)  
**Sent:** July-05-13 11:25 AM *BW*  
**To:** Webb, Bruce (CWS)  
**Subject:** Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

Parks and Natural Areas Branch has reviewed the proposal filed pursuant to the Environment Act for the request for Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00. 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 Water Stewardship  
Box 53, 200 Sauleteaux Cres  
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Phone: 204-945-4148

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**Webb, Bruce (CWS)**

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**Subject:** FW: Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

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**From:** Wiebe, Brian (CWS)  
**Sent:** July-12-13 4:41 PM *BW*  
**To:** Webb, Bruce (CWS)  
**Subject:** RE: Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

Hi Bruce,

Here are a few comments on the above EAP.

I would be interested in more information on their planned phosphorus fertilization practices. They do mention that they will not be applying any N in fall but there is no mention of P management. Irrigated potatoes will likely have a higher P recommendation than current cropping, which may increase risk of P loss in runoff depending on management.

The minimum flow units in sections 4.3.2 and 4.5.2 are different but they come out of their water rights licence and that is where it really matters I suppose?

It is not clear if tile drainage has already been installed or if it is planned and it may not be part of this licence (or in a separate licence). If it is, research suggests that controlled tile drainage reduces nutrient and pesticide loss in tile drainage water so if new tile drains are to be installed controlled drainage would be recommended to help protect surface waters.

Monitoring tile drain water and soil testing records will be kept according to the proposal. If possible I would like to get a copy of these each year. This will allow us to confirm compliance with the Nutrient Management Regulation and also to keep an eye on soil test N and P versus tile drain nutrient loss.

Let me know if you have any questions.

Brian

## Webb, Bruce (CWS)

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**Subject:** FW: EAP 5651.00 Hespler Enterprises Ltd. - Water Supply from Graham Creek Tributary final due July 18 2013

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**From:** Janusz, Lauren R (CWS)  
**Sent:** July-25-13 4:04 PM *BW*  
**To:** Webb, Bruce (CWS)  
**Cc:** Long, Jeff (CWS); Klein, Geoff (CWS)  
**Subject:** EAP 5651.00 Hespler Enterprises Ltd. - Water Supply from Graham Creek Tributary final due July 18 2013  
**Importance:** High

Hi Bruce,

Jeff has provided two recommendations (one for depth and one for temperature) which are incorporated into the response below. Yesterday in our discussions we were thinking along the lines of a clause that addressed instream flow rates and then another clause that provided minimum depths based on HSI curves for the species present. Given this portion of the tributary is quite uniform and very flashy, instead of making any instream flow rate determination Jeff's recommendation is to just base it on depth or wetted area. The attached provides the rationale and methodology for the proposed and have included it for your information. Anyways please feel free to give us an email or call if you want to discuss this further. Particularly if you have any concerns with what is proposed. Have a great evening.

Fisheries Branch has reviewed this request to expand an existing reservoir SW 5-5-5W by approximately 80 acre feet (90 decameters) to a total requirement of 120 acre-ft. The reservoir would supply one pivot and one travelling gun at a combined rate of 1250 USGM. It is proposed that water to fill the reservoir will come from the Graham Creek Tributary which currently the proponent has a licence to divert 36.48 acre feet but they have applied for an increase in the amount of water to divert. The proponent indicates pumping will last approximately two weeks. Under the current licence they can withdraw during the spring runoff which they indicate is between April 1<sup>st</sup> and May 31<sup>st</sup>. The applicant's indicate that they will cease pumping when the instream flow is less than 0.09 m<sup>3</sup>/s (3.1783 ft/s), at a point immediately downstream of the temporary pumping installation, as per a condition of the current Water License.

Graham Creek and the tributary are 3<sup>rd</sup> order surface waters. While there is no fisheries information for the tributary, white suckers, brook stickleback, central mudminnow and fathead minnows have been found in Graham Creek. Fisheries Branch has concerns with this request.

1. The applicant's indicate that because this tributary flows intermittently maintaining instream flows at 0.09 m<sup>3</sup>/s should ensure minimal impact to any existing fish habitat. The applicant's have made no effort to determine what fish species utilize the creek and when, what the fisheries habitat is rated as, what the implications of removing water during the spring runoff are in terms of affecting the hydrologic cycle in terms of frequency, timing, magnitude and duration as well as maintaining channel forming flows (bankfull flows) and overbank flooding, and have not identified if there are any other diversions upstream or downstream of them and what the accumulated impacts of all the diversions are on the system and downstream receiving waters.
2. In terms of the instream flow rate they have provided there is no information on how that figure was derived. Instead of an instream flow rate, to which it may be difficult for the applicant to monitor, we would like to recommend the following withdrawal condition based on habitat suitability index (HSI) curves for spawning, juvenile and adult life-stages of fish found in Graham Creek. This water depth will meet the 80<sup>th</sup> percentile HSI for most life stages of the resident species.

- a. Water withdrawal cannot occur when total water depth downstream of the withdrawal point is 0.25m or less for 2/3 of the bankfull channel width.
3. Further to this would it be possible to add a clause that would request the proponent to record the downstream depths over the period of withdrawal and take photos as a monitoring component? And could there be an additional clause that provides for change to the depth requirement depending on future studies/climatic changes, et.
4. The current timing of the withdrawal overlaps with the spring spawning window of April 1 – June 15<sup>th</sup>. We would like to recommend the following clause which takes temperature into consideration.
  - a. Water withdrawal cannot occur when water temperatures reach or exceed 10 °C.
5. While we are requesting that there be a temperature limit (4a) to which no withdrawal would occur there is still the potential to overlap with fish being present in the creek so we would request that the proponent adhere to DFO's End of Pipe Screening requirements. We would also request the clause used in other irrigation proposals that makes provisions for change in screening requirements should it be needed.
6. The applicant addresses a number of best management practices in terms of applying fertilizers and pesticides some of which are aimed at minimizing impacts to surface water quality. In the application of pesticides they indicate reducing spray drift by only applying under suitable conditions. There is, however no provision for maintaining riparian areas along the surface waters that run through the land. We recommend a clause requesting a 30 m riparian area/set back adjacent to the high water mark of any surface water that is 3<sup>rd</sup> order and higher and 15 m on 1<sup>st</sup> and 2<sup>nd</sup> order surface waters.
7. There is no construction detail for the expanded reservoir in terms of what it is being built from. We would hope that a layer of clay is used to line the reservoir to minimize the amount of water loss through infiltration into the ground. Furthermore that there erosion and sediment control measures are implemented as needed to ensure no sediment from the disturbed dugout expansion can enter the creek.

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](mailto:Laureen.Janusz@gov.mb.ca)



## Webb, Bruce (CWS)

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**From:** Stibbard, James (CWS)  
**Sent:** July-17-13 11:26 AM  
**To:** Webb, Bruce (CWS) BW  
**Subject:** Re: 5651.00 Hespeler Farms Irrigation EAP

Mr. Webb,

I reviewed the attached EAP for an expansion of the farm crop irrigation system for Hespeler farms near Miami. The EAP notes no adverse impacts on groundwater or surface water in the area are anticipated. A review of information on file at ODW indicates there are no public or semi-public water systems in the area using local surface or ground water as raw water sources.

Based upon this, ODW does not see any cause for concern respecting drinking water safety from the EAP or proposed development.

I trust this is satisfactory, but if you have any questions, 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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# Manitoba



**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

June 20, 2013

*BW*

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

RE: Hespler Enterprises – Reservoir Expansion  
Client File No 5651.00

Dear Ms. Braun:

MIT has reviewed The Environment Act Proposal noted above and while we do not have any environmental concern, we would like to offer the following comments:

- Since part of the proposed development is adjacent to Provincial Trunk Highway (PTH) 23, the proponent should be informed that a permit may be required from the Highway Traffic Board for construction of a new access road or modification to or relocation of an existing one onto PTH 23. A permit may also be required for placement or modification of any structure (including, but not limited to, signage), on, under or above the ground within 76.2 metres (250 ft) of the edge of the highway's right-of-way.
- A permit may be required from MIT for any planting within 15.2 metres (50 ft) of the edge of the highway's right-of-way or for any discharge onto the highway ditches.
- An agreement with MIT may also be required for any utilities above or under the highway's right-of-way.

For clarification and further information, the proponent may contact Mr. Wesley Turk at (204) 871-2239 or at [Wes.Turk@gov.mb.ca](mailto:Wes.Turk@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

**Manitoba**  
spirited energy

**Webb, Bruce (CWS)**

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**Subject:** FW: TAC Review - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - DUE JULY 18, 2013 - Class 2 Water Development and Control project

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**From:** Wilson, Brian (MAFRI)

**Sent:** July-16-13 3:05 PM

**To:** Bell, Cory

**Cc:** Webb, Bruce (CWS) *BW*

**Subject:** RE: TAC Review - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - DUE JULY 18, 2013 - Class 2 Water Development and Control project

I have reviewed the Environment Act Proposal submitted by Hespler Enterprises Ltd. And have no concerns. The proponent summarize the agriculture capability of the soils from published information and describes the agronomic practices will be used to minimize environmental risk.

Brian Wilson

[Brian.Wilson@gov.mb.ca](mailto:Brian.Wilson@gov.mb.ca)

Crops Branch

Manitoba Agriculture, Food and Rural Initiatives

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**Webb, Bruce (CWS)**

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**Subject:** FW: Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

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**From:** Kubish, Cheryl (OFC)  
**Sent:** June-19-13 2:12 PM *BW*  
**To:** Webb, Bruce (CWS)  
**Subject:** RE: Review & comments - Hespler Enterprises Ltd. - Water Supply - File: 5651.00

Good Afternoon,

The Office of the Fire Commissioner has reviewed the information and has no comments. Thanks

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

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

**Webb, Bruce (CWS)**

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**Subject:** FW: TAC Review - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - DUE JULY 18, 2013 - Class 2 Water Development and Control project

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**From:** Sigurdson,Shauna [CEAA] [mailto:Shauna.Sigurdson@ceaa-acee.gc.ca]  
**Sent:** July-04-13 8:28 AM  
**To:** Webb, Bruce (CWS) BW  
**Cc:** Tiege,Susan [CEAA]  
**Subject:** Re: TAC Review - Rural Municipality of Thompson - Hespler Enterprises Ltd. Reservoir Expansion - DUE JULY 18, 2013 - Class 2 Water Development and Control project

Bruce

We have determined that the project is not a designated project under CEAA 2012 so we will not be participating further in the review

I am aware that the proponent submitted a project description to the Agency website. A response will be provided to the proponent on the decision

Shauna