

**2AM-WTP1826 - Technical Meeting Commitment 11/DFO-TC 2.2.3****Tracz, Boyan** <Boyan.Tracz@dfo-mpo.gc.ca>

Tue, Nov 19, 2019 at 4:22 PM

To: Manon Turmel <manon.turmel@agnicoeagle.com>

Cc: Michel Groleau <michel.groleau@agnicoeagle.com>, Philippe Lapointe <philippe.lapointe@agnicoeagle.com>, Jamie Quesnel <jamie.quesnel@agnicoeagle.com>, Etienne Parent <etienne.parent@agnicoeagle.com>, "Stevens, Cameron" <Cameron_Stevens@golder.com>, "Range, Jennifer" <jennifer_range@golder.com>, "Beattie, Alasdair" <Alasdair.Beattie@dfo-mpo.gc.ca>, "Coombs, Daniel" <Daniel.Coombs@dfo-mpo.gc.ca>, "Audet-Lecouffe, José" <Jose.Audet-Lecouffe@dfo-mpo.gc.ca>, "Ratajczyk, Edyta" <Edyta.Ratajczyk@dfo-mpo.gc.ca>, licensing <licensing@nwb-oen.ca>, Richard Dwyer <richard.dwyer@nwb-oen.ca>, Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, "Leclerc-Beaulieu, Tatiana" <Tatiana.Leclerc-Beaulieu@dfo-mpo.gc.ca>

Hello Manon, Hello Everyone,

DFO acknowledges results presented in the Technical Memo will be integrated into the Final Offsetting Plan, and that information provided (which was further elaborated on during an October 24, 2019 meeting between AEM and DFO) predicts small changes in water volumes and surface areas for the representative lakes listed (e.g. approx. $\leq 5\%$). As per discussion, changes in water volume(s) and surface area(s) in waterbodies further downstream from the representative lakes are also predicted to be small, and considered to fall within natural variation.

As part of the integration of information provided in the Technical Memo into the Final Offsetting Plan, DFO requests the addition of text describing:

- how predictions re: percent changes in water volume and surface area will be monitored for the representative lakes, and lakes further downstream associated with Nodes 1 and 2 (as listed in DFO Technical Comment 3.4.7); and
- how changes in water volumes/surface areas for lakes further downstream of the representative lakes are expected to fall within natural variation

Additional query: where can information related to the natural variation in volume / surface area for lakes listed in DFO TC 3.4.7 (other than the reference lakes provided in the Technical Memo) be located?

Cheers

From: Manon Turmel <manon.turmel@agnicoeagle.com>**Sent:** November 18, 2019 11:22 AM**To:** Tracz, Boyan <Boyan.Tracz@dfo-mpo.gc.ca>

Cc: Michel Groleau <michel.groleau@agnicoeagle.com>; Philippe Lapointe <philippe.lapointe@agnicoeagle.com>; Jamie Quesnel <jamie.quesnel@agnicoeagle.com>; Etienne Parent <etienne.parent@agnicoeagle.com>; Stevens, Cameron <Cameron_Stevens@golder.com>; Range, Jennifer <jennifer_range@golder.com>; Beattie, Alasdair <Alasdair.Beattie@dfo-mpo.gc.ca>; Coombs, Daniel <Daniel.Coombs@dfo-mpo.gc.ca>; Audet-Lecouffe, José <Jose.Audet-Lecouffe@dfo-mpo.gc.ca>; Ratajczyk, Edyta <Edyta.Ratajczyk@dfo-mpo.gc.ca>; licensing <licensing@nwb-oen.ca>; Richard Dwyer <richard.dwyer@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Subject: RE: [EXTERNAL] RE: 2AM-WTP1826 - Technical Meeting Commitment 11/DFO-TC 2.2.3

Hello Boyan,

Thank you for providing additional guidance on this. The table provided was prepared based on guidance received from DFO on October 24 (teleconference). We will work on adding the requested information in the upcoming week or so. If we end up finishing earlier on the 13th, we may be able to discuss this too.

Also, have you been successful in reviewing the Downstream impact memo prepared by Golder and submitted to Parties on October 24 2019 as per the below commitment? Does DFO have any comments? We want to make sure we integrate them into our final offsetting plan.

15	DFO	TC 2.3	<p>Previously provided predictions for potential downstream changes in surface areas, as part of Agnico Eagle's reply to DFO Technical Comment 3.4.7, will be updated using recently collected bathymetry data for Lake A76, A12, and A15 as representative downstream habitats for conservatively predicting downstream changes to fish habitat, and provided as part of an Application for Authorization.</p> <p><u>DFO will complete review on November 15, 2019 and commit to meet with Agnico Eagle to finalize this item prior to public hearing.</u></p>	Submitted to DFO on October 24, 2019, Application for Authorization	
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Good day,

Manon

From: Tracz, Boyan <Boyan.Tracz@dfo-mpo.gc.ca>
Sent: Friday, November 15, 2019 5:21 PM
To: Manon Turmel <manon.turmel@agnicoeagle.com>; licensing <licensing@nwb-oen.ca>; Richard Dwyer <richard.dwyer@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>
Cc: Michel Groleau <michel.groleau@agnicoeagle.com>; Philippe Lapointe <philippe.lapointe@agnicoeagle.com>; Jamie Quesnel <jamie.quesnel@agnicoeagle.com>; Etienne Parent <etienne.parent@agnicoeagle.com>; Stevens, Cameron <Cameron_Stevens@golder.com>; Range, Jennifer <jennifer_range@golder.com>; Beattie, Alasdair <Alasdair.Beattie@dfo-mpo.gc.ca>; Coombs, Daniel <Daniel.Coombs@dfo-mpo.gc.ca>; Audet-Lecouffe, José <Jose.Audet-Lecouffe@dfo-mpo.gc.ca>; Ratajczyk, Edyta <Edyta.Ratajczyk@dfo-mpo.gc.ca>
Subject: [EXTERNAL] RE: 2AM-WTP1826 - Technical Meeting Commitment 11/DFO-TC 2.2.3

CAUTION: EXTERNAL

Hello Manon, Hello Everyone,

Please find DFO's comments regarding Commitment #11 / DFO TC 2.2.3:

In the email response dated November 8, 2019, Agnico provided a table intended to address:

- a) request made by DFO during teleconference held on October 24 2019 and;
- b) Commitment 11 made during the Technical Meeting to address DFO-TC 2.2.3,

Agnico Eagle committed to provide a table [by November 8] listing the waterbodies that are planned to be used to withdraw water for the purposes of operational geological drilling in the Project area. Maximum amount expected to be taken yearly per waterbody will also be included in that table. DFO will complete review on November 15, 2019 and commit to meet with Agnico Eagle to finalize this item prior to public hearing.

DFO acknowledges that the table provided lists waterbodies that are planned to be used to withdraw water for the purposes of operational geological drilling in the Project area, and that maximum amounts expected to be taken yearly from said waterbodies are also provided. DFO agrees to meet with Agnico prior to the public hearing to discuss water withdrawal approaches, including operational planning needs, and DFO requirements prior to water being withdrawn.

To aid with the future discussion regarding operational planning of water withdrawals, DFO suggests that the table provided be updated, using the referenced Table DFO-FWS-3.2.1 as a template. The updated table with all waterbodies to be used for water withdrawal should provide details for each waterbody (e.g. volume, area, depth, fish species captured), and that each waterbody be included as a separate line item (vs. the cell with grouped waterbodies and reference to Table DFO-FWS-3.2.1). This allows for a "one page" approach, which can lead to efficiencies in our discussion.

DFO also notes that the available (10%) under ice volume values provided in response Commitment #11 / DFO TC 2.2.3 do not use the calculation found in: "DFO Protocol for Winter Water Withdrawal from Ice-covered Waterbodies in the Northwest Territories and Nunavut (2010)"; this subject has been discussed prior to, and during the Technical Meeting.

With regards to a future meeting on the subject of water withdrawals prior to the public hearing, DFO suggests a meeting early in the New Year given current schedules through until December.

Have a good weekend everyone.

Cheers

Boyan Tracz

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Biologiste Protection des Pêches, Programme de Protection des Pêches
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From: Manon Turmel <manon.turmel@agnicoeagle.com>
Sent: November 8, 2019 12:43 PM
To: Tracz, Boyan <Boyan.Tracz@dfo-mpo.gc.ca>; D'Aguiar, Mark <Mark.D'Aguiar@dfo-mpo.gc.ca>; Janowicz, Marek <Marek.Janowicz@dfo-mpo.gc.ca>
Cc: Michel Groleau <michel.groleau@agnicoeagle.com>; Philippe Lapointe <philippe.lapointe@agnicoeagle.com>; Jamie Quesnel <jamie.quesnel@agnicoeagle.com>; licensing <licensing@nwb-oen.ca>; Richard Dwyer <richard.dwyer@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>; Etienne Parent <etienne.parent@agnicoeagle.com>; Stevens, Cameron <Cameron_Stevens@golder.com>; Range, Jennifer <jennifer_range@golder.com>
Subject: 2AM-WTP1826 - Technical Meeting Commitment 11/DFO-TC 2.2.3

Hello,

The below table is intended to address:


a) request made by DFO during teleconference held on October 24 2019 and;

b) Commitment 11 made during the Technical Meeting to address DFO-TC 2.2.3,

Agnico Eagle committed to provide a table [by November 8] listing the waterbodies that are planned to be used to withdraw water for the purposes of operational geological drilling in the Project area. Maximum amount expected to be taken yearly per waterbody will also be included in that table. DFO will complete review on November 15, 2019 and commit to meet with Agnico Eagle to finalize this item prior to public hearing.

Waterbody	Potential Withdrawal Period per Year	Total Lake Volume (m ³)	Available (10%) Under-Ice Volume (m ³)	Maximum Annual Non-Drilling Withdrawal (m ³)	Maximum Annual Drilling Withdrawal (m ³)	Total Annual Withdrawal
Whale Tail Lake South Basin	year round	11,832,960	369,495	0	20,990	20,990
Lake A20	year round	2,893,567	197,676	0	20,990	20,990
Nemo Lake	year round	8,359,828	616,923	209,544	20,990	230,534
Mammoth Lake	year round	8,509,682	367,555	2,500	20,990	23,490
Lake A113	open water season only	Not available	Not applicable	0	2,092	2,092
Lake A54	open water season only	Not available	Not applicable	0	2,093	2,093
Other waterbodies listed as footprint losses in Table DFO-FWS-3.2.1 and Conceptual Offsetting Plan (i.e. A53, A49, A48, A47, A46, A-P38, A0)	year round	Not applicable	Not applicable	0	20,990	20,990
TOTAL				212,044	109,135	321,179

Thank you,

 **Manon Turmel** | Permitting Lead
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