

Agnico Eagle updated Water Management Plan

Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>
To: Richard Dwyer <richard.dwyer@nwb-oen.ca>

Fri, Dec 13, 2019 at 2:50 PM

Hi Richard,

Could you please add this correspondence to the Meliadine Water Management Plan folder:

ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MEL1631% 20Agnico/3%20TECH/B%20GENERAL/B12%20MGMT%20PLANS/Water%20MGMT%20Plan/

I am drafting a letter for the WMP updates too.

Thank you, Sergey

----- Forwarded message ------

From: Sara Savoie <sara.savoie@agnicoeagle.com>

Date: Fri, Dec 13, 2019 at 6:34 AM

Subject: RE: [EXTERNAL] Re: Agnico Eagle updated Water Management Plan

To: Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>

Cc: Meliadine Environment Supervisors <meli.environment.supervisors@agnicoeagle.com>, Jamie Quesnel

<jamie.quesnel@agnicoeagle.com>, Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Good morning Mr. Kuflevskiy,

You will find the requested information directly in your below message.

We remain available should you have any further questions.

Kind regards, Sara



From: Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>

Sent: Monday, December 9, 2019 8:24 PM

To: Sara Savoie <sara.savoie@agnicoeagle.com>

Cc: Jessica Huza <jessica.huza@agnicoeagle.com>; Martin Theriault <martin.theriault@agnicoeagle.com>; Jamie

Quesnel <jamie.quesnel@agnicoeagle.com>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Subject: [EXTERNAL] Re: Agnico Eagle updated Water Management Plan

CAUTION:	EXTERNAL
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Hi Sara,

I just wanted to follow up on this submission and confirm a few things before issuing an official letter from the NWB.

1. The updated Section 3.5 of the Water Management Plan (WMP) states that "233,122 m3 of waste rock is expected to be removed from Tiriganiaq Pit 1 for the construction of SP4". However, the engineering drawings show a different number - 305,393 m3. Could you please clarify where this difference comes from?

The statement of this value was an error made when updating the Water Management Plan. The value of 233,122 m³ is the volume of excavated rock in which water can be stored (allowing for freeboard). Total waste rock volume to be removed is expected to be 305,393 m³, as presented in the Design Report.

2. The same Section further states: "A portion of the waste rock removed will be used immediately for a perimeter safety berm and overburden protective cover. The residual waste rock will be stockpiled temporarily between the footprints of Tiriganiag Pit

1 and Tiriganiaq Pit 2, south-east of SP4."

Does this mean that AEM is planning to stockpile this waste outside of the mine footprint? Could you please provide further clarification on that?

The location for temporary waste rock deposition between Tiriganiaq Pit 1 and Tiriganiaq Pit 2 (slightly to the south of their axes) is within the lease area.

3. It is stated that the minimum storage volume of SP4 will be 233,000 m3. Does this include the volume reserved for precipitation accumulation and runoff at freshet? If yes, how much is the precipitation/ freshet portion?

The storage volume of 233,000 m³ is a total which includes storage for saline water inflows to the underground mine and for freshet/precipitation runoff. Based on the catchment area of SP4 and mean climate conditions, mean freshet runoff to SP4 is expected to be 15,600 m³. Based on 1:100 wet climate conditions, maximum freshet runoff to SP4 is expected to be 26,000 m³. In order to ensure the capability to store runoff from a 1:100 wet freshet, stored volume in SP4 will be maintained below 207,000 m³ prior to freshet. The numbers presented in this paragraph will be updated following construction of SP4.

4. Section 3.9.3 of the WMP states that "the SWTP will be used to treat water from the Underground Mine, P-Area or from the saline ponds" and further notes that the daily capacity of the SWTP is 109 m3/day. P-area includes three relatively large ponds, P1, P2 and P3, and SP4 will add 233,000 m3 to the total volume. Will the processing capability of the SWTP be enough? The Board understands that some of this effluent will be hauled to the Melvine bay but notes that there is no direct description of the SETP portion of this cycle.

Considering the expected groundwater inflows to the underground mine, application of the SWTP as a standalone management strategy will result in a net positive balance of saline water over an annual basis. The SETP will be applied to compensate for the difference, thus allowing the maintenance of an annual net-zero or net-negative saline water balance.

- 5. The following sections of the WMP should be updated to reflect proposed changes (this can be done within the 2019 Annual Report submission):
- Section 3.1. Water Management Systems (Introduction, Table 1, no mention of SETP);
- Section 4. Water Management Strategy (Introduction, Table 9) and in particular Section 4.1.2. Underground Water Management.

Section 5.9. 2019 Water Balance or the 2020 version of it, since the work is proposed to be done in 2020.

These comments are well noted and will be accounted for within the 2019 Annual Report submission.

Thank you and looking forward to hearing from you,



Sergey Kuflevskiy- パレム dペ ペーペイト

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