

2AM-WTP1826 Agnico Eagle Water Management Strategy update

Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Tue, Sep 10, 2019 at 10:50 AM

To: Marie-Pier Marcil <marie-pier.marcil@agnicoeagle.com>, Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>

Cc: licensing <licensing@nwb-oen.ca>, Nancy Duquet Harvey <nancy.harvey@agnicoeagle.com>, Robin Allard <robin.allard@agnicoeagle.com>, Jamie Quesnel <jamie.quesnel@agnicoeagle.com>, Michel Groleau <michel.groleau@agnicoeagle.com>

Hi Marie-Pier,

In addition to my previous email, please note that Agnico Eagle Water Management Plan states that:

Water from the seepage collection systems of the dikes is to flow naturally to the Whale Tail Attenuation Pond or to the Open-Pit and the Collection Ponds and be pumped to the Whale Tail Attenuation Pond. The quantity of seepage through the dikes will be estimated on further advanced engineering phases. Seepage rates, volumes and the condition of the seepage water (i.e. turbidity, temperature, etc.) will be monitored as per Part I, conditions 15 and 16 of the Water License 2AMWTP1826, and incorporated in the Water Balance.

Water quality of the seepage and runoff collected in the sumps and ditches at the toe of the dikes is to be monitored during operations according to the Water License 2AM-WTP1826 requirements. Weekly inspections will be performed as an indicator of dike performance to note whether seepage water is clear, cloudy or if fine material is present.

Therefore in accordance with the current Water Management Plan at Operations phase once the Attenuation Pond is operational seepage from dike shall be collected in the Attenuation Pond.

Regards,



Karén Kharatyan, Ph. D- ᑲᑲᑦ ᑲᑳᑲᑦ

Director Technical Services - Directeur des services technique ᑲᑳᑲᑦ
ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT
ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ
KATIMAYINGI

P.O. Box 119
Gjoa Haven, NU X0B 1J0

C.P. 119
Gjoa Haven, NU X0B 1J0

ᑲᑳᑲᑦ ᑲᑳᑲᑦ
ᑲᑳᑲᑦ ᑲᑳᑲᑦ ᑲᑳᑲᑦ X0B 1J0

Titigaqavvia 119
Uqhuqtuq, NU, X0B 1J0

Tel / Téléphone / ᑲᑳᑲᑦ / Hivayauta: (867) 360-6338 | Fax / Télécopieur / ᑲᑳᑲᑦ / Fax-kut: (867) 360-6369

Toll Free / Sans / ᑲᑳᑲᑦ ᑲᑳᑲᑦ / Akiittuq: 1-855-521-3745

WARNING - This communication, including any attachments contains confidential information intended only for the addressee(s) noted above. Any unauthorized distribution, copying, or disclosure is strictly prohibited. If you have received this by mistake, please notify the sender immediately and delete this message without printing or copying it. Thank you.

AVIS DE CONFIDENTIALITÉ - Ce message, et toute(s) pièce(s) jointe(s) est confidentiel et est à l'usage exclusif du(les) destinataire(s) ci-dessus. Toute autre personne est par la présente avisée qu'il lui est strictement interdit de le diffuser, le distribuer ou le reproduire. Si le destinataire ne peut être joint ou vous est inconnu, veuillez informer l'expéditeur par courrier électronique immédiatement et détruire ce message et toute copie de celui-ci. Merci pour votre collaboration.

 Merci de penser à l'environnement avant d'imprimer ce courriel / Thank you for thinking of the environment before printing this email

On Tue, Sep 10, 2019 at 7:23 AM Karén Kharatyan <karen.kharatyan@nwb-oen.ca> wrote:

Hello Marie-Pier,

Thank you for updating the NWB with this information. While these measures seem reasonable for managing excessive non-contact water due to high precipitations and preserving dike integrity on site, the NWB has a number of recommendations to follow during the proposed activities. Some of these recommendations may already be included within the current amendment application's updated documents, or if not still included, the future updates to respective management plans should incorporate these, taking into account site's water management lessons learned to date:

- Future update to Water Management Plan shall include all contingency scenarios for managing excessive non-contact water, including the current options;
- Future update to Water Balance should take into account very high precipitation amount/events that occurred lately;
- The NWB notes that WL 2BB-MEA1828 has discharge criteria for effluent to be discharged from A-P5 pond.

Although Agnico Eagle states that *only non-contact water from Whale Tail North and North-East Pond are currently transferred to A-P5*, this pond was designed to collect contact water under WL 2BB-MEA1828, and very likely contact water was previously collected within this pond. Although discharge from A-P5 to tundra is approved under WL 2BB-MEA1828, the licence term D14 for effluent quality limits will be applicable before discharging into tundra. Please note

2. Whale Tail Dike Seepage discharge to Whale Tail South Basin

- Agnico would like to intercept non-contact water seeping from Whale Tail Dike (WTD) before reaching Whale Tail North Basin and then discharge this non-contact water to Whale Tail South Basin. This will be done in order to improve the dewatering of Whale Tail North that is currently processed via the WTP, if needed, and then discharged to Mammoth Lake.
 - As dewatering of the Whale Tail North Basin is not completed and Whale Tail Dike construction activity are still ongoing, Agnico will manage water from WTD seepage as part of the dewatering of the Whale Tail North Basin
 - Water will be monitored for Water License 2AM-WTP1826 Part D Item 7.
 - Water will be discharge without treatment if it meets TSS water quality limit. If needed, water will be treated via the Water Treatment Plan and then discharge back to Whale Tail South.
 - Discharge will be via a diffuser located in WTS.
- Agnico is of the opinion that the proposed changes to the location of intake for interception of non-contact seepage from WTD and pump is to WTS remain within the scope of the approved Water License 2AM-WTP1826 and as such will update the Whale Tail Water Management Plan to reflect this activity.

3. AP5 discharge to tundra

- Currently only non-contact water from Whale Tail North and North-East Pond are transferred to AP5.
- Discharge from AP5 to tundra approved by the Water License 2BB-MEA1828.
- Notification will be sent to CIRNAC Inspector to update the volume increase of water estimated presented in the original 10 days notice.
- This extension of the discharge is to manage the rain events that were received in the months at Whale Tail and in part due to the fact that NE Pond is not naturally flowing towards Nemo Lake as per the initial design until recent changes to pumping strategy.

Agnico Eagle looks forward to confirmation of these proposed strategy for water management at the Whale Tail site.

Best Regards,



Marie-Pier Marcil | Senior Compliance Technician
marie-pier.marcil@agnicoeagle.com | Direct 819.759.3555 x4105836
 Agnico Eagle Mines Limited - Meadowbank Division, Suite 540 - Baker Lake, Nunavut,
 Canada X0C 0A0
agnicoeagle.com    