



Concerns regarding AEM effluent - Resuming Mel-7 to CP-1 transfer

Dan Gorton <dan.gorton@agnicoeagle.com>

Fri, May 17, 2019 at 8:54 AM

To: Martin Theriault <martin.theriault@agnicoeagle.com>, "Mesher, Jonathan (AADNC/AANDC)"

<jonathan.mesher@canada.ca>, Meliadine Environment Supervisors

<meli.environment.supervisors@agnicoeagle.com>, Meliadine Environment

<meli.environment@agnicoeagle.com>

Cc: Justin Hack <justin.hack@canada.ca>, Jeremy Fraser <Jeremy.fraser@canada.ca>, Richard Dwyer

<richard.dwyer@nwb-oen.ca>, Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, Christine Wilson

<Christine.Wilson3@canada.ca>

Hi Jonathan,

As discussed this morning over the phone:

- Mel-7 water quality laboratory analysis results have been compliant with discharge criteria for the past few weeks.
- AEM will resume transferring exploration STP treated effluent (Mel-7) to CP-1, as per the water management plan.
- This water will be contained within CP-1 until it meets Mel-14 discharge criteria.
- 10 days' notice will be given prior to discharge from Mel-14 to Meliadine Lake.
- AEM has added fecal and total coliforms to the Mel-14 water quality sample analysis.
- The intent of resuming transfer of water to CP-1 is to reduce strain on the main camp STP, thereby preventing operational failures and spills.
- 3 reportable spills have occurred at the main camp STP during this period of retreating exploration camp STP effluent.
- The most recent spill, which occurred May 16th, was reported. It has since been cleaned up with repairs made to the system. A follow-up report will be submitted shortly.
- Regarding the weekly inspections, please see the attached email. Pre-freshet inspections have commenced and are attached. These inspections will become more frequent once surface water flow begins.

Thanks,

From: Dan Gorton

Sent: Tuesday, April 30, 2019 8:10 AM

To: Martin Theriault <martin.theriault@agnicoeagle.com>; Mesher, Jonathan (AADNC/AANDC)

<jonathan.mesher@canada.ca>; Meliadine Environment Supervisors <meli.environment.supervisors@

agnicoeagle.com>; Meliadine Environment <meli.environment@agnicoeagle.com>

Cc: Justin Hack <justin.hack@canada.ca>; Jeremy Fraser <Jeremy.fraser@canada.ca>; Richard Dwyer <richard.dwyer@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>; Christine Wilson <Christine.Wilson3@canada.ca>

Subject: RE: [EXTERNAL] Concerns regarding AEM effluent

Hi Jonathan,

To add to this, the past two sets of water quality laboratory analyses for Mel-7 (exploration STP effluent) have met NWB water license discharge criteria. We would like to revert to sending this water to CP-1, now that the system is functioning as intended.

Regards,



Dan Gorton | Environmental Coordinator

dan.gorton@agnicoeagle.com | Direct 819.759.3555 x4603996 |

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From: Martin Theriault <martin.theriault@agnicoeagle.com>

Sent: Tuesday, April 30, 2019 7:24 AM

To: Mesher, Jonathan (AADNC/AANDC) <jonathan.mesher@canada.ca>; Meliadine Environment Supervisors <meli.environment.supervisors@agnicoeagle.com>; Meliadine Environment <meli.environment@agnicoeagle.com>

Cc: Justin Hack <justin.hack@canada.ca>; Jeremy Fraser <Jeremy.fraser@canada.ca>; Richard Dwyer <richard.dwyer@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>; Christine Wilson <Christine.Wilson3@canada.ca>

Subject: RE: [EXTERNAL] Concerns regarding AEM effluent

Hi Jonathan,

Since Nov, 2017 all treated sewage effluent from the Exploration Camp STP has been trucked and deposited in CP1. Previously the effluent from this system was discharged directly into Meliadine Lake at Mel-7 discharge point (from our License 150731 2BB-MEL1424). Lately, due to inconsistency in the amount of people at the exploration camp, some issues were encountered at the exploration STP. On April 15th 2019, AEM decided to transfer all treated water from the exploration STP to the main camp STP for a second treatment before being discharge in CP-1. CP-1 is discharged in Meliadine Lake (MEL-14) during open water only. Total and fecal coliforms were added to the COC template this winter to ensure proper monitoring. The main camp STP is monitored weekly to ensure quality control on the system, latest results can be provided if required.

As per the exploration camp STP sludge, it is trucked to the main STP where it re-enters the system with the raw sewage treating the sludge a second time. The treated sludge from the main STP is then discharged to the TSF as per the STP OMM manual section 3.2 (attached) and the Mine waste management plan section 9.2.2 (I can send it with OneDrive if needed or it can be found on the NWB site). Regular inspections are performed to monitor the area and ensure wildlife are not being attracted. The sludge will be progressively covered with the tailings deposition.

Hope it answers your question, don't hesitate if you request more information.

Regards,

Martin Theriault
Compliance counselor

martin.theriault@agnicoeagle.com

T: 819.759.3555 x4608171

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Meliadine Division, Nunavut, Canada

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From: Mesher, Jonathan (AADNC/AANDC) <jonathan.mesher@canada.ca>

Sent: Monday, April 29, 2019 9:35 AM

To: Dan Gorton <dan.gorton@agnicoeagle.com>; Meliadine Environment Supervisors

<meli.environment.supervisors@agnicoeagle.com>; Meliadine Environment

<meli.environment@agnicoeagle.com>

Cc: Justin Hack <justin.hack@canada.ca>; Jeremy Fraser <Jeremy.fraser@canada.ca>; Richard Dwyer

<richard.dwyer@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>; Christine Wilson

<Christine.Wilson3@canada.ca>

Subject: [EXTERNAL] Concerns regarding AEM effluent

CAUTION: EXTERNAL

Good morning,

The following concerns have been brought to my attention regarding the Meliadine area that are some cause for potential concern:

- The inspector has been informed that water quality at Mel-7 was above criteria and instead of being trucked to the 2AM-MEL Sewage Treatment Plant (STP), it was being directly discharged into CP-1. MEL-17 is the final discharge for the site at CP-1 and doesn't have parameters from sewage.
- The inspector was also informed that sludge from the exploration camp STP (Mel-7) would be considered contaminated, posing a threat to people and acting as a wild life attractant, under the current disposal method. I understand that the sludge when the STP is operating above criteria is disposed of in totes; however I have been informed that currently the sludge is discharged into the tailings facility.

I am still new to the Meliadine file, I may have missed information that approves the activities listed above, I am writing this email to both the NWB and AEM to seek clarification and assistance in understanding the above concerns. Can you please provide me with the approval from the NWB for the activities listed above.

Regards,

Jonathan Mesher

Water Resource Officer, Nunavut Region

Crown Indigenous Relations and Northern Affairs Canada – CIRNAC

Jonathan.mesher@canada.ca

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

From: Martin Theriault <martin.theriault@agnicoeagle.com>

To: "Mesher, Jonathan (AADNC/AANDC)" <jonathan.mesher@canada.ca>, Meliadine Environment <meli.environment@agnicoeagle.com>, Meliadine Environment Supervisors <meli.environment.supervisors@agnicoeagle.com>

Cc: Justin Hack <justin.hack@canada.ca>, Jeremy Fraser <Jeremy.fraser@canada.ca>

Bcc:
Date: Tue, 7 May 2019 18:12:07 +0000
Subject: RE: [EXTERNAL] Weekly inspections

Hi Jonathan,

Please find attached the monthly reports for our primary water management structures (D-CP1 and D-CP5) for 2019. It should be noted that during winter conditions, visual inspections are neither feasible nor valuable due to snow cover, so these reports focus on an analysis of the instrumentation data for these structures. As required by the water Licence, during periods of flow, weekly inspections are performed and findings with photos will be provided weekly as requested.

I will give you a call to see with you if you have any concern or if it's for information.

Regards,

Martin Theriault
Compliance counselor

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Meliadine Division, Nunavut, Canada
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From: Mesher, Jonathan (AADNC/AANDC) <jonathan.mesher@canada.ca>
Sent: Monday, May 6, 2019 4:29 PM
To: Meliadine Environment <meli.environment@agnicoeagle.com>; Meliadine Environment Supervisors <meli.environment.supervisors@agnicoeagle.com>
Cc: Justin Hack <justin.hack@canada.ca>; Jeremy Fraser <Jeremy.fraser@canada.ca>
Subject: [EXTERNAL] Weekly inspections

CAUTION: EXTERNAL

Hello,

I am writing to request the weekly inspections as required in PART E, item 15, of the licence 2AM-MEL1631 which states; "The Licensee shall carry out Weekly inspections of all Water management structures during periods of flow (rock drains, culverts, sedimentation and pollution control ponds and associated diversion berms, reagent and storage facility sumps, and the sedimentation control berm at the overburden dump) and Monthly thereafter and the records be maintained for review upon request of an Inspector. More frequent inspections may be required at the request of an Inspector.", please provide all findings for 2019.

I am also requesting that moving forward AEM provide the inspection findings along with dated photos from the inspections to the inspector Friday of every week, if you have any questions or concerns please contact me with the information below.

Regards,

Jonathan Mesher

Water Resource Officer, Nunavut Region

Crown Indigenous Relations and Northern Affairs Canada – CIRNAC

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11 attachments



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197K



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DCP5_March 2019.pdf

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RE: [EXTERNAL] Weekly inspections.eml

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