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## Updated Water Management Plan for Meliadine - CIRNA comments

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**Martin Theriault** <martin.theriault@agnicoeagle.com>

Mon, Aug 19, 2019 at 8:25 AM

To: Sergey Kuflevskiy <sergey.kuflevskiy@nwb-oen.ca>, Meliadine Environment Supervisors  
<meli.environment.supervisors@agnicoeagle.com>

Cc: Richard Dwyer <richard.dwyer@nwb-oen.ca>, Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Hi Sergey and all,

Comments from CIRNAC regarding the 2019 water management plan (March) were answered in the attached document.

Three of these comments were related to the water management plan and were incorporated in the latest water management plan version submitted (August). The comment related to the as-built was also answered, information was added in the water management plan and the detailed engineered construction drawings are submitted to the NWB.

**CIRNAC Comment:** After reviewing the water management plan CIRNAC could not find details on the underground sumps and stopes as it pertains to water.

**Recommendation:** CIRNAC recommends that AEM provide as much detail as possible in how they are controlling and mitigating the water entering the underground workings.

AEM Response:

A description of the underground water management system (i.e., sumps, pumping) has been added to the Groundwater Management Plan (Appendix A of the Water management plan). The information has been added as Section 4.2.1. A piping and instrumentation diagram has also been included as Appendix E to the Groundwater Management Plan.

**CIRNAC Recommendation:** CIRNAC recommends that AEM clarify/indicate the mitigation measures planned for any unexpected seepage flooding in the Underground Mine mitigating the water entering the underground workings.

AEM Response:

Detailed mitigation measures under greater than expected groundwater inflows was added to the March 2019 Groundwater Management Plan section 3.6 (Appendix A of the Water Management Plan).

**CIRNAC Comment:** CIRNAC has also found that even though AEM has provided the locations of the culverts and channels within the road system of the mine, CIRNAC could not find the detailed engineered construction drawings.

**Recommendation:** CIRNAC recommends that AEM provide the detailed construction drawings.

AEM Response:

The As-built reports of the culverts and channels were submitted through the Nunavut Water Board. The culverts and channels without a submitted As-built Report either haven't been built (planned in 2019) or are part of a system that will be presented as a whole once all the components are built. The Water Management Plan (March 2019) has been updated to state which culverts/channels have been built, and if they have not, when the expected construction period is.

Don't hesitate if you have any question,

Regards,

**Martin Theriault**  
**Compliance counselor**

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**From:** Sergey Kuflevskiy <[sergey.kuflevskiy@nwb-oen.ca](mailto:sergey.kuflevskiy@nwb-oen.ca)>

**Sent:** Friday, August 16, 2019 6:56 PM

**To:** Martin Theriault <[martin.theriault@agnicoeagle.com](mailto:martin.theriault@agnicoeagle.com)>; Meliadine Environment Supervisors <[meli.environment.supervisors@agnicoeagle.com](mailto:meli.environment.supervisors@agnicoeagle.com)>

**Cc:** Richard Dwyer <[richard.dwyer@nwb-oen.ca](mailto:richard.dwyer@nwb-oen.ca)>; Karén Kharatyan <[karen.kharatyan@nwb-oen.ca](mailto:karen.kharatyan@nwb-oen.ca)>

**Subject:** [EXTERNAL] Updated Water Management Plan for Meliadine - CIRNA comments

**CAUTION: EXTERNAL**

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Good afternoon Martin and all,

The NWB has received comments from CIRNA on the Updated Water Management Plan for the Meliadine Project (see attached).

Even though CIRNA has no comments on the latest updates regarding dewatering schedule for the H19 and H20 Ponds, they were unable to confirm whether the comments and recommendations previously provided by CIRNA on March 5, 2019 were incorporated into this Updated Water Management Plan. The original comments dated March 5, 2019 are also provided in the attached file.

Could you please clarify **by Tuesday, August 20, 2019**, whether these previously provided comments and recommendations were addressed or are still outstanding?

Should you have any questions, do not hesitate to contact me at (867) 360-6338 (extension 29).

Thank you,



**2AM-MEL1631 Responses to Comments ECCC and CIRNAC comments on EMPP and WMP final.pdf**  
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