

Appendix G8

Letter: MMER Final Discharge Location Revision



May 7, 2012

Via Email

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Dear Ms. Baraniecki

Re: Meadowbank Gold Project – MMER Final Discharge Location Revision

Section 10, Item 2, of the Metal Mining Effluent Regulations state:

“The owner or operator shall submit in writing to the authorization officer the information on any proposed change to a final discharge point at least 60 days before the change is to be made.”

Pursuant to this requirement, Agnico-Eagle Mines Ltd. Meadowbank Division is notifying Environment Canada by way of this letter of a proposed change to the final discharge point entitled: Dewatering Final Discharge 1 (DD-FD1).

This final discharge point was originally registered with Environment Canada as the following:

The northwest basin of Second Portage Lake is being dewatered. The water from the lake is pumped to a water treatment plant which contains two Actiflo water treatment systems. A Krohne enviromag model 2100C flowmeter is attached to each water treatment system. A GLI international model pro-series pH meter is also attached to each system.

The outflow from each treatment system is released to the north basin of Third Portage Lake via two side-by-side floating pipes. The location of the discharge pipes is 65°01'49,32147" N x 96°05'24,77652" W. The attached figure shows the location of the water treatment plant and final discharge point.

The outflow from each treatment system is released to the north basin of Third Portage Lake via two side-by-side floating pipes. The discharge pipes release the water straight out at the surface of the water; the pipes are located in an area of the lake where the water is 8 m deep. There are no diffusers on these pipes.

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The water treatment systems are routinely cleaned to ensure Total Suspended Solids do not build up in areas of the plant and get released into the environment. There are no routine cleaning procedures for the discharge pipes, as this is considered clean water.

The flow rate capacity was provided at 50,000 m³/day.

According to the Meadowbank Gold Project's Nunavut Water Board Type A water license 2AM-MEA0815, once dewatering is completed all contact water must be discharged through a diffuser located in low value fish habitat within Third Portage Lake. The diffuser is designed to discharge and enhance mixing of effluent in the receiving environment.

The proposed changes to Dewatering Final Discharge 1 are as follows:

- The dewatering of the northwest basin of Second Portage Lake is complete. This area is now the Attenuation Pond for the Meadowbank Gold Project.
- Water pumped from the Attenuation Pond will continue to be transferred to the Water Treatment Plant, containing two Activflo water treatment systems.
- The outflow from each treatment system will be mixed and transferred to the north basin of Third Portage Lake via one 14" insulated pipe. At the end of this pipe a diffuser/reducer from 14' to 8" will be installed. The pipe is weighted at the bottom of the lake with boulders, and the diffuser releases the water upwards. A cross section diagram of the diffuser is provided in Figure 1.
- The location of the discharge must be moved to a deeper basin in the lake in order for the diffuser to be installed in low value fish habitat. The proposed new discharge location will be 579 m south-west of the current discharge location. The coordinates of this new location are: Latitude: 65° 1' 32.661" N; Longitude: 96° 6' 4.892" W. The current and proposed discharge locations are illustrated on Figure 2.
- The top of the diffuser would be situated at a water depth of 20 m.
- The flow rate capacity of the diffuser would be reduced to 20,000 m³/day.
- The reference area, Third Portage Lake – South Basin, would remain unchanged. The Exposure Area, Third Portage Lake – North Basin, would be moved 579 m to the south-west, at the proposed new discharge location.



Should you require further information, please contact the undersigned at rgould@agnico-eagle.com.

Regards,
Agnico-Eagle Mines Limited – Meadowbank Division

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