

November 29<sup>th</sup>, 2016

Martyn Curtis Regional Manager, Regulatory Reviews Fisheries Protection Program 501 University Crescent Winnipeg, MB R3T 2N6

Re: Hovercraft use at Meadowbank Gold Mine, Nunavut- letter dated September 14<sup>th</sup>, 2016.

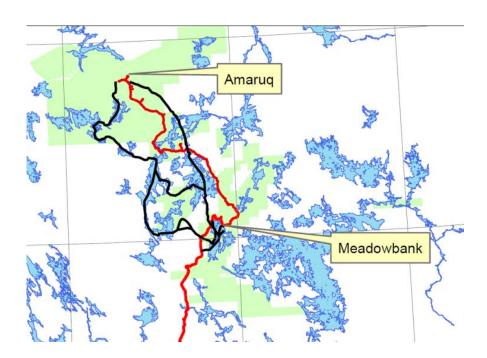
Dear Mr. Martyn Curtis,

Thank you for your initial comments regarding the use of hovercraft vehicles between the Meadowbank and Amaruq Site. Agnico Eagle intends to submit a project description to Nunavut Planning Commission according to Section 76 (1) of the Nunavut Project Planning and Assessment Act (NuPPAA).

The following are responses to the DFO letter dated September 14<sup>th</sup>, 2016.

## DFO question #1: Can AEM provide a map of the intended route of the hovercraft to identify which waterbodies will be impacted?

Below you will find a draft map of routes planned for use by the hovercraft. As part of the initial pilot study planned to begin in Q3 of 2017 to 2019, Agnico Eagle intends to use the hovercraft year-round on previously approved winter road routes, trails identified on claim areas/leases or on approved all season route, e.g. the Amaruq Exploration Access Road.





DFO question #2: Can AEM provide a list of mitigation measures to ensure the bed and banks of waterbodies will be protected, as well as ensure the potential mortality of fish and fish eggs is avoided resulting from the noise during the operation of the hovercraft?

At this time, Agnico Eagle does not foresee any shoreline impacts nor any potential effects to fisheries (i.e. no mortality to fish or fish eggs) resulting from the operation of the hovercraft and therefore has not contemplated a list of mitigation measures. It is important to note that for 8 months of the year, the hovercraft will be used under frozen conditions, on previously approved winter routes and therefore no additional effects are expected to the fishery. Furthermore, the reduced ground pressure is expected to have minimal disturbance along the shorelines during the winter.

DFO's peak particle velocity (PPV) guideline for the protection of fish and fish eggs is 13 mm/s. This is found to be below the DFO guidelines for the protection of fish and fish eggs. Furthermore, according to the specifications provided by the supplier the ground pressure of the hovercraft is 1 PSI (which on land, is about the same as rubber track ATV). The reduced ground pressure increases the flotation, allowing easier passage on water during the open water period and minimal disturbance along the shorelines in the summer.

Agnico Eagle appreciates DFOs comments and will continue to work with other regulatory agencies during review of this exciting pilot project to ensure the concerns that were raised in these comments have been adequately addressed.

Should you have any questions or require further information, please contact the undersigned Jamie Quesnel at <u>Jamie.quesnel@agnicoeagle.com</u> M: 819.856.0821, or, Ryan Vanengen at ryan.vanengen@agnicoeagle.com M: 819.651.2974.

## Agnico Eagle Mines Limited – Meadowbank Division

Regards,

Jamie Quesnel

Jamie.Quesnel@agnicoeagle.com

819.856.8021.

Environmental Superintendent – Nunavut

Ryan Vanengen

ryan.vanengen@agnicoeagle.com

819.651.2974

Environment Superintendent, Permitting and Regulatory Affairs

Nunavut

CC: Elizabeth Patreau

Nunavut Planning Commission (NPC)

Nunavut Impact Review Board (NIRB)

Nunavut Water Board (NWB)

Kivalliq Inuit Association (KIA)

Christopher Aquirre – TC

Jason Patchell - INAC

Lisa Lowman - ECCC