

## Predicted Environmental Impacts and Proposed Mitigation Measures

The Itivia Quarry is small in size and the quarry will be in operation for only 8 months. During operations, Agnico Eagle will comply with the *Borrow Pits and Quarries Management Plan* approved under water Licence 2AM-MEL1631.

The primary potential environmental impacts include: noise, vibration and dust. To mitigate noise, vibration and dust, Agnico Eagle will provide the following controls:

1. Conduct blasting operations during daytime only.
2. All blasts will be monitored for vibration using seismometers.
3. All drilling equipment will have dust suppression.
4. The crusher will be located in an area to minimize dust emissions plus have a bag house.
5. Loading, hauling and placing activities are not expected to generate dust, however, dust suppressant will be used when required.

All domestic solid waste, waste oil and sewage generated at the Itivia Quarry will be brought back to the Meliadine site and handled as per approved management plans. All water from the quarry will be controlled and contained to ensure no adverse effects to the surrounding environment.

The Itivia Quarry will be assessed for archaeological sites. However, it is unlikely that sites will be found as numerous historical quarrying activities were operational in this area. If archaeological sites are found, Agnico Eagle will keep a 30m buffer between quarrying operations and any archaeological site as per the *Borrow Pits and Quarries Management Plan* and will also ask the GN for mitigation approval where applicable. Furthermore, the quarry site will be assessed for raptor nest presence. If presence is confirmed, monitoring will be conducted.

Finally, prior to extracting material from the quarry, samples will be taken for Acid Rock Drainage/Metal Leaching (ARD/ML) testing. If rock is found to be Potentially Acid Generating (PAG), the associated material will be rejected and not used for construction.

Upon completion of the work, the quarry will be left in a geo-technically stable state and reclaimed as per the *Preliminary Closure and Reclamation Plan* approved under water Licence 2AM-MEL1631.

In conclusion, based on best practices and proposed mitigation, no significant impacts are predicted at the Itivia Quarry.