

ATTACHMENT

Federal Authority Advice Record

The response must be e-mailed by August 26, 2020 to : iaac.wasamac.aeic@canada.ca

Wasamac Gold Mine project – Monarch Gold Corporation

Agency File : 005759

Department/Agency	Natural Resources Canada (NRCan)
Lead Contact	Camille Ouellet-Dallaire
Full Address	588 Booth Street, Ottawa, Ontario, Canada, K1A 0E4
Email	camille.ouellet-dallaire@canada.ca
Telephone	<Identification data redacted>
Alternate Contact	Peter Unger

-
1. Is it probable that your department or agency may be required to exercise a power or perform a duty or function related to the Project to enable it to proceed?

If yes, specify the Act of Parliament and that power, duty or function.

No.

-
2. Is your department or agency in possession of specialist or expert information or knowledge that may be relevant to the conduct of an impact assessment of the Project?

Specify as appropriate.

Yes, NRCan has expertise that could be relevant to the Wasamac gold mine project in the following areas:

- Forestry (including hydrology of forest environments, species at risk habitat (including woodland caribou), biodiversity (including forest vegetation), forest soils, socio-economic impacts of forestry and ancillary uses)
- Hydrogeology and seismicity (including groundwater quantity, surface geology and seismicity)
- Manufacture and storage of explosives
- Acid mining and metal leaching
- Economics of mining (including socio-economic impacts, labour market, local economic impacts and the supply chain).

-
3. Has your department or agency considered the Project; exercised a power or performed a duty or function under any Act of Parliament in relation to the Project; or taken any course of action that would allow the Project to proceed in whole or in part?

Specify as appropriate.

No.

4. Has your department or agency had previous contact or involvement with the proponent or other party in relation to the Project? (for example, enquiry about methodology, guidance, or data; introduction to the project)

Provide an overview of the information or advice exchanged.

No.

5. Does your department or agency have additional information or knowledge not specified, above?

Specify as appropriate.

No.

6. From the perspective of the mandate and area(s) of expertise of your department or agency, what are the issues that should be addressed in the impact assessment of the Project, should the Agency determine that an impact assessment is required?

For each issue discussed, provide a concise, plain-language summary that is appropriate for inclusion in the Summary of Issues.

- **Forestry**

- o **Hydrology of forest areas:** Description of potential project impacts on the hydrology of surrounding watersheds (surface waters) and description of mitigation measures.
- o **Species at risk habitat (including woodland caribou):** Description of potential impacts of the project on habitat and vegetation of caribou; loss of habitat area and quality; changes in predator movements due to habitat modification, and identification of mitigation measures.
- o **Forest Vegetation and Biodiversity:** Description of potential changes in soil quality, loss, compaction, erosion, etc. that could lead to a reduction in soil productivity. Description of the methods used to clear trees and shrubs as well as potential impacts on biodiversity and species of cultural value.
- o **Change of use and recovery of forested land:** Description of how the project will impact the change in land use, potential impacts, identification of mitigation measures and remediation.

- **Hydrogeology and Seismicity**

- o **Surface geology:** Description of the nature of the superficial formations and the depth within the boundaries of the project.
- o **Groundwater Quantity:** Description of potential project impacts on groundwater and mitigation measures.
- o **Seismicity:** Description of the potential impacts of seismic events on project activities.

- **Explosives Manufacturing and Storage:** Assessment and licensing for the storage and manufacture of explosives.

Acid Mine Drainage and Metal Leaching: Description of potential and potential impacts of acidic mine drainage and metal leaching of the mining waste.

- **Mining Economics**

- o ***Socio-economic Impacts:*** Description of how the project will change the economic environment and its impact on the social interactions and structures.
 - o ***Labour Market:*** Description of how the project will have an impact on the local labour market.
 - o ***Local Economic Impacts:*** Description of positive impacts (including new economic opportunities) and negative impacts of the project on the local economy and the local population.
 - o ***Supply chain:*** Description of the project's impact on the supply chain (local and global).
-

Camille Ouellet-Dallaire

Name of Departmental / Agency Responder

Senior impact assessment officer

Title of Responder

August 27, 2020

Date