

Appendix D NIRB Forms

- D1 – Nunavut Impact Review Board Screening Part 1 Form (English)**
- D2 – Nunavut Impact Review Board Screening Part 1 Form (Inuktitut)**
- D3 – Nunavut Impact Review Board Screening Part 2 Form**
- D4 – NIRB Table 1 – Identification of Environmental Impacts**
- D5 – Environmental Impact and Mitigation Matrix**

Appendix D1
Part 1 Form – English

PART 1 FORM

PROJECT DESCRIPTION INFORMATION REQUIREMENTS

For more information about the Nunavut Impact Review Board (NIRB) please visit our web site <http://nirb.nunavut.ca/> or to access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board ftp site <http://ftp.nunavut.ca/nirb>.

IMPORTANT!

Please be advised that your application will not be processed until the Sections 1 - 9 are completed in their entirety, in both English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot).

SECTION 1: APPLICANT INFORMATION

1. Project Name **Meliadine Gold Project:**
Gold Mine Construction, Operation and Reclamation

2. Applicant's full name and mailing address:

Meliadine Gold Project
Agnico-Eagle Mines Ltd.
93, rue Arsenault bureau 202
Val d'Or, Québec, J0P0E9

Phone: 819 825 3744

Fax: 819 825 3770

Email: eric.m.lamontagne@agnico-eagle.com

3. Primary contact's full name and mailing address:

John Witteman
Agnico-Eagle Mines Limited
601 – 2 Street
Canmore, AB T1W2K2

Phone 819 277 5444

jwitteman@agnico-eagle.com

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the Project Description:

<input checked="" type="checkbox"/>	Regional Inuit Association (RIA)	<input type="checkbox"/>	Canadian Launch Safety (CLS)
<input checked="" type="checkbox"/>	Nunavut Water Board (NWB)	<input checked="" type="checkbox"/>	Environment Canada (EC)
<input checked="" type="checkbox"/>	Nunavut Planning Commission (NPC)	<input checked="" type="checkbox"/>	Government of Nunavut (GN)
<input checked="" type="checkbox"/>	Indian and Northern Affairs Canada (INAC)	<input type="checkbox"/>	Department of National Defense (DND)
<input checked="" type="checkbox"/>	Department of Fisheries and Oceans (DFO)	<input checked="" type="checkbox"/>	Hamlet
<input checked="" type="checkbox"/>	Community Government & Services (CG&S)	<input type="checkbox"/>	Parks Canada (PC)
<input checked="" type="checkbox"/>	Nunavut Research Institute (NRI)	<input type="checkbox"/>	Canadian Wildlife Service (CWS)
<input checked="" type="checkbox"/>	Department of Culture, Language, Elders, and Youth (CLEY)	<input type="checkbox"/>	Other (please specify):
		<input checked="" type="checkbox"/>	Navigable Waters – spud barge, water intake

☐☒

NRCan Canada – use of explosives

2. List the active permits, licenses, or other authorizations related to the Project Description, and their expiry date(s):

Refer to Section 1.8, Table 1.2 in the Project Description.

3. List the pending permits, licenses, or other authorizations related to the Project Description:

Refer to Section 1.9, Table 1.3 in the Project Description.

4. Has this project or any components of this project been previously screened or reviewed by NIRB?

X YES

☐ NO

If YES, indicate the previous project name and NIRB File No.

Meliadine West Gold Project: Application to Conduct Underground Mineral Exploration and Assemble a Bulk Sample, NIRB Files No. 07EN044, 10EN006, and 10EA018

Project Description for the Meliadine Gold Project - 11MN034.

SECTION 3: PROJECT DESCRIPTION DESCRIPTION

1. Indicate the type of Project Description (check all that apply)^(1,2):
(See Appendix A for Project Type Definitions)

1	All-Weather Road/Access Trail	<input type="checkbox"/>	9	Site Cleanup/Remediation	X
2	Winter Road/ Winter Trail	<input type="checkbox"/>	10	Oil and Natural Gas Exploration/Activities	<input type="checkbox"/>
3	Mineral Exploration	X	11	Marine Based Activities	X
4	Advanced Mineral Exploration	X	12	Scientific/International Polar Year Research*	<input type="checkbox"/>
5	Mine Development /Bulk Sampling	X	13	Harvesting Activities*	<input type="checkbox"/>
6	Pits and quarries	X	14	Tourism Activities*	<input type="checkbox"/>
7	Offshore Infrastructure (port, break water, dock)	<input type="checkbox"/>	15	Other ⁽²⁾ :	<input type="checkbox"/>
8	Seismic Survey	<input type="checkbox"/>			

Please note:

- All project types listed above, except those marked with an asterisk (*), will also require the Proponent to submit a **Part 2 Project Specific Information Requirement (PSIR) Form**. The NIRB application process will not be considered complete without the Part 2 PSIR Form.
- Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
- If "Other" is selected, contact NIRB for direction on whether a Part 2 PSIR Form is required.

2. If Project Type 3, 4 or 5 was selected above, please indicate the mineral of interest that is being extracted. Include a brief description.

X	Metals (zinc, copper, gold, silver, etc) Gold
<input type="checkbox"/>	Diamonds
<input type="checkbox"/>	Uranium
<input type="checkbox"/>	Other: _____

Refer to Section 1.4 in the Project Description.

- 3a. If Project Type 13, 14 or 15 was selected above, complete the table and questions below.

Transportation Type	Quantity	Proposed Use	Length of Use
<i>E.g. Helicopter</i>	<i>1</i>	<i>Site to site pick ups and drop offs</i>	<i>6 days</i>

- 3b. Describe any docks, piers, air strips or related structures that are to be used in conjunction with the proposed project activities. **Please note:** the building of new structures may require a Part 2 Form.

Refer to Section 2.3 of the Project Description.

- 3c. If a temporary camp site is to be established, describe the proposed structures in detail and indicate the type and source of power for the camp site if applicable.

Refer to section 2.5.2 in the Project Description.

4. Personnel

Refer to Section 6 of the Project Description.

5. Timing

Period of Construction:	from	<u>2012</u>	To	<u>2015</u>
Period of operation:	from	<u>2015</u>	To	<u>2026</u>
Proposed term of authorization:	from	<u>2012</u>	To	<u>2030</u>

6a. Region (check all that apply):

<input type="checkbox"/> North Baffin	<input checked="" type="checkbox"/> Kivalliq	<input type="checkbox"/> Kitikmeot	<input type="checkbox"/> Transboundary: _____
<input type="checkbox"/> South Baffin	<input type="checkbox"/> National Park		

6b. Describe the location of the proposed project activities in a regional context, noting the proximity to the nearest communities and any protected areas.

Refer to Section 1.1 of the Project Description. There are no protected areas in the immediate vicinity of the Project site.

6c. Discuss the history of the site if it has been used for any project activities in the past.

Refer to Section 1.2 and Appendix A of the Project Description.

6d. Indicate if there are any known archaeological/paleontological historical sites in the area.

Refer to Section 4.3 of the Project Description.

7. Land Status (check all that applies):

<input checked="" type="checkbox"/> Crown	<input checked="" type="checkbox"/> Commissioners'	<input checked="" type="checkbox"/> Municipal
<input checked="" type="checkbox"/> Inuit Owned Surface Lands	<input checked="" type="checkbox"/> Inuit Owned Sub-Surface Lands	

8a. Co-ordinates:

The Project is centered on the mine portal coordinates at

Min Lat (degree/minute)	<u>63° 01' 30" N</u>	Min Long (degree/minute)	<u>92° 10' 20" W</u>
Max Lat (degree/minute)	_____	Max Long (degree/minute)	_____

NTS Map Sheet No: 55 N/1 – Refer to Figure 1.1 in the Project Description.

(Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 **Mandatory**) available from Natural Resources Canada)

8b. If the Project Description includes a **camp**, please provide the coordinates of the camp location

The accommodation complex serving the Project will be located immediately adjacent to the mill complex. Refer to Section 2.5.7, Figure 2.4 in the Project Description.

Min Lat (degree/minute)	<u>63° 01' 30" N</u>	Min	Long	<u>92° 10' 20" W</u>
		(degree/minute)		

Max _____ Lat _____ Max _____ Long _____
(degree/minute) (degree/minute)

If different from above for the camp:

NTS Map Sheet No: **The Natural Resources Canada map is 55 N/1**

Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 **Mandatory**) available from Natural Resources Canada

Please note that additional location information may be required in a subsequent Project Specific Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

SECTION 4: NON-TECHNICAL PROJECT DESCRIPTION

Please include a non-technical description of the Project Description, no more than 500 words, in English and Inuktitut (+Inuinnaqtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;

The proposed Meliadine gold mine is located approximately 25 km northwest of Rankin Inlet. It will be an open pit and underground mine; ore will be extracted from 6 different deposits on the property. A mill and camp will be built near the largest gold deposit. The mill will extract the gold from the rock and then collect it to be shipped out as gold bars from site. The present exploration camp, plus additional temporary camps, will be used to house up to 700-800 workers during a 2-3 year construction period.

Once the mine is up and running, it will require up to 500 workers at the mine site at any one time. With workers on a regular rotation of (typically) 14 days work on the site and 14 days rest off the site, a total of up to 700-800 workers will be on the payroll of the mine. Mining should last around 10 years based on current estimates, but will continue for additional years if more gold is found. The mine will operate 24 hours per day (2 shifts), 7 days a week, 52 weeks per year. Once mining is completed, the buildings and equipment will be removed and there will be a 2-3 year period of reclamation at the mine site.

- Method of transportation;

A Phase 1 all-weather road is proposed to be built from Rankin Inlet to the mine site to support the advanced exploration program. Phase 2 road construction activities will include spur roads to the various gold deposits and one to the edge of Meliadine Lake for public use. Construction and materials re-supply for the mine will mainly be brought in by barge or marine vessels. The materials will be moved directly from the barge/ship to the site. It is expected that there will be an increase in ocean vessel traffic during construction and when the mine is in operation. The existing dock and barge ramp at Itivia will be sufficient for the project and the community combined.

The project will necessitate fuel storage in Rankin Inlet of up to 80 million litres. Fuel and supplies will be trucked from Rankin Inlet to the mine site on the all-weather road on a regular basis throughout the year.

Workers from outside Rankin Inlet will be flown to/from the Rankin Inlet airport and be transported to the mine site by bus.

- Any structures that will be erected (permanent/ temporary);

A group of buildings will be built at the mine site. A tank farm and laydown area will be built at Itivia in Rankin Inlet. Mine buildings will be built on site and be dismantled on closure of the mine. The access road would remain until after reclamation and closure of the mine is complete, after which it will also be reclaimed. The Rankin Inlet tank farm would likely be sold or leased back to the town or government.

- Alternatives considered; and

There are limited to no alternative locations for where the actual mine can be located. Several alternatives were, however, studied for the location of the tailings management area (tailings are the ground up rock that remains after the gold has been extracted from it) and the waste rock/overburden management areas. Details on these alternative assessments will be provided in the draft Environmental Impact Statement.

- Long-term developments, the projected outcome of the development for the area and its timeline.

There is good potential for the discovery of additional gold bearing rock and an extension of the mine life over 10 years. This is very common with mines of this type. The long term effects of the project would include altering tundra and wetland/pond habitats in the immediate area of the mining infrastructure. It is estimated 1100 hectares of land will be disturbed by the mine.

The main elements in the project time line, based on technical considerations only and dependent on receipt of permits, are:

2012 - 2015 – environmental assessment review, feasibility, permitting and design

2012 - 2015 – construction

2016 - 2026 – pit and underground mining

2016 - 2026 – ore processing

2011 - 2026 – mineral exploration on site and adjacent lands

2026 - 2029 – closure and monitoring (if exploration is not successful)

IMPORTANT: IF THE PROPOSED ACTIVITIES REQUIRE SUBMISSION OF A NIRB PART 2 PSIR FORM, PLEASE COMPLETE SECTION 8 ONLY, OTHERWISE CONTINUE ON WITH SECTION 5.

SECTION 5: MATERIAL USE

1. List equipment to be used (including drills, pumps, aircraft, vehicles, etc.):

2a. Detail fuel and hazardous material use:

2b. Describe the proposed Spill Prevention Plan.

3a. Detail the anticipated daily water consumption rates

3b. Have you applied for a Water License with the Nunavut Water Board?

- ☐ YES
- ☐ ...NO

If yes, what class of licence?

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste associated with the proposed project activities:
2. Describe the proposed Waste Management Plan.

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

SECTION 8: GENERAL QUESTIONS

1. Will you be disturbing any known archaeological sites?

☐ NO

☒ YES

Please sign and date your application:

Eric M Lamontagne



Title

Meliadine Project Manager

Date

26 September 2011