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SCIENTIFIC RESEARCH LICENCE APPLICATION LAND, FRESHWATER & MARINE BASED RESEARCH

NRI strongly recommends that applicants review the following documents prior to submitting an application: *Scientific Research Licencing Guidelines* and *Negotiating Research Relationships in Inuit Communities: A Guide for Researchers*.

IMPORTANT

This application fulfills the requirements for the NIRB environmental screening. Please be advised that your application will not be processed until the application form, project summary, and maps are received.
All documents should be uploaded in the following formats: MS Word, Adobe PDF or jpeg.

SECTION 1: APPLICANT INFORMATION

1a. Project Title [Environmental Baseline Data Collection, Meliadine Gold Project, Agnico-Eagle Mines Ltd.](#)

1b. Project Number

Please indicate if applicant has submitted any previous application(s) to NRI related to this project proposal? Yes ☒ No ☐

If yes, please indicate the previous NRI licence number: [03 056 11N-A](#)

Please indicate if applicant has submitted any previous application(s) to NIRB related to this project proposal? Yes ☒ No ☐

If yes, please indicate the previous NIRB licence number(s): [08YN047](#)

2. Applicant's full name and mailing address:

John Witteman	Phone: 819 277 5444
601 - 2 Street	Fax:
Canmore, AB, T1W2K2	Email: jwitteman@agnico-eagle.com

3. Field Supervisor's name and mailing address:

Jacek Patalas, Golder Associates Limited	Phone: 780 483 3499
#300, 10525 - 170 Street	Fax:
Edmonton, AB, T5P4W2	Email: Jacek_Patalas@golder.com

4. Other Personnel list (name, position, affiliation)

Cameron Stevens, Golder Associates Ltd.	780 483 3499
other Golder personnel who will be on site to collect samples	

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

<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"/> Department of Environment (GN)
<input checked="" type="checkbox"/> Department of Indian And Northern Development (DIAND)	<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/GN)	<input type="checkbox"/> Canadian Wildlife Service (CWS)

☒ Department of Culture, Language, Elders, and Youth (CLEY/GN) ☐ Other (please specify):

2. List the active permits, licences, or other rights related to the project proposal and their expiry date:

Permit:

Expiry Date

see attached table under 4. Location(s) below

3. Have you applied for all authorizations required to conduct the project proposal activities?

☒ Yes

☐ No

SECTION 3: PROJECT PROPOSAL DESCRIPTION

1. Indicate the activities related to the project proposal:

- | | |
|--|--|
| <input type="checkbox"/> Temporary camp (to be removed at end of field season) | <input type="checkbox"/> Soil disposal/ soil storage |
| <input type="checkbox"/> Permanent camp (to remain for life of authorization) | <input type="checkbox"/> Incineration of combustible wastes and removal of non-combustible wastes |
| <input type="checkbox"/> Construction of recreational or safety cabin | <input checked="" type="checkbox"/> River/ stream/ lake crossing or work/ bridge |
| <input type="checkbox"/> Temporary fuel storage (to be removed at end of field season) | <input type="checkbox"/> Drainage alteration |
| <input type="checkbox"/> Permanent fuel storage (to remain for life of authorization) | <input checked="" type="checkbox"/> Geoscientific sampling by diamond drilling |
| <input type="checkbox"/> Placement of structures for life of permit (other than camp or cabin â€" i.e. scientific instruments) | <input checked="" type="checkbox"/> Geoscientific sampling by soil sampling |
| <input type="checkbox"/> Placement of permanent structures (other than camp or cabin â€" i.e. scientific instruments) | <input type="checkbox"/> Geoscientific sampling by trenching |
| <input checked="" type="checkbox"/> Air surveys (i.e. geophysical, wildlife) | <input checked="" type="checkbox"/> Geoscientific sampling by borehole core |
| <input checked="" type="checkbox"/> Use of aircraft/watercraft/land vehicle for personnel drop-off and pick-up to project location | <input type="checkbox"/> Blasting |
| <input checked="" type="checkbox"/> Use of on-site mechanized vehicles (i.e. atv, snowmobile, truck, zodiac) | <input type="checkbox"/> Channeling |
| <input type="checkbox"/> Sewage or grey water disposal via sump | <input type="checkbox"/> Excavation |
| <input type="checkbox"/> Hazardous waste storage or disposal | <input checked="" type="checkbox"/> Hydrological testing |
| <input type="checkbox"/> Solid waste disposal | <input type="checkbox"/> Abandonment and restoration |
| <input type="checkbox"/> Chemical storage | <input type="checkbox"/> Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring) |
| <input type="checkbox"/> Explosives storage | <input checked="" type="checkbox"/> Research |
| <input type="checkbox"/> Soil testing | <input checked="" type="checkbox"/> Ecological survey |
| <input type="checkbox"/> Harvesting | <input type="checkbox"/> Removal of vegetation for scientific purposes |
| <input type="checkbox"/> Other: | |

2. Personnel

Total No. of personnel on site = (A) 10

Total No. of days on-site = (B) 15

Total No. of Person days (A) Ã— (B) 150
=

3. Timing

Period of operation:

May 2012

to October 2012

Proposed term of authorization:

April 2012

to December 2012

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.

Advanced exploration. An Environmental Impact Statement is in preparation for submission later this year. Construction would follow receipt of all necessary authorizations.

4. Location(s) of data collection:

Location Name	Region North Baffin, South Baffin, Kivalliq, Kitikmeot	Co-ordinates Lat (degree / minute), Long (degree / minute)	NTS Map Sheet Nr.	Land Status Crown, Commissionersâ€™, Inuit Owned
Meliadine	Kivalliq	63°01'30"N, 92°10'20"W	55/J, N, & O	IOL - RI01

If the project proposal includes a **camp**, please provide the coordinates of the camp location

Lat (degree/minute)

NA

Long (degree/minute)

NTS Map Sheet Nr. (if different from above)

Please attach maps (preferably 1:250,000 scale) which clearly indicate camp sites and research sites. PDF, jpeg or tiff versions are requested.

[land-Waterbodies_Gold_Deposits_JUN_2011 good slide.pdf](#)
[land-Itivia_Harbour_Nov_2011.pdf](#)
[land-Current_Authorizations.docx](#)

The Nunavut Impact Review Board may require additional location information 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 PROPOSAL DESCRIPTION

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

- Project Title
- Researcher's Name and Affiliation
- Project Location
- Timeframe
- Project Description
 - purpose
 - goals & objectives
 - method of transportation
 - any structures that will be erected (permanent / temporary)
 - restoration / abandonment plans
- Methodology
 - collection protocol
 - collection mechanisms
 - indicate why specific communities or individuals were selected for your research
- Data
 - short term & long term use of data
 - other uses of data
- Reporting
 - How will the research results be communicated to the individual participants, communities, regional and Nunavut organizations?
 - Will the research result in a publication?

[land-Environmental Baseline Data Collection - English summary NRI - 2012.pdf](#)

SECTION 5: MATERIAL USE

1. List equipment (including drills, pumps, aircrafts, vehicles etc.):

Equipment type and number	Size & dimensions	Proposed use
Helicopter	4 or 6 seats	Moving personnel & equipment

2. Detail fuel and hazardous material use:

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel			
Gasoline	5	1025	Barrels on a liner providing secondary containment
Aviation fuel	3	100,000	Double walled steel tanks
Propane			
Other			
Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	
NA			

3. Detail daily water consumption rates

Daily amount (in Litres)	Proposed water retrieval methods	Proposed water retrieval location
NA	Existing exploration camp will be used	Water Licence 2BB-MEL0914

4. Have you applied for a Class A Licence with the Nunavut Water Board?

()	YES	(o)	NO
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SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage (human waste)	1 L/person/day	BIODisk Plant	
Greywater	200 L/person/day	BIODisk Plant	
Combustible wastes	1 Kg/person/day	Incinerator	
Non-Combustible wastes	1 Kg/person/day	On-site Landfill	(presently being permitted

Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			

2. Will you be incinerating combustible waste, removing all solid waste, and removing the ash generated from incineration?

☒ YES

☐ NO

SECTION 7: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

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

Minute	Name	Organization	Date Contacted
Rankin	HTO	Members of the HTO	15 July 2011
Kivalliq	Kiv Inuit Association	Lands Directorate	Monthly contact

2. How will the proposed project benefit Nunavut? Will your project provide local employment or training opportunities? Please specify.

Once the mine is in operation up to 700 persons will be employed. AEM will give preference to hiring Inuit from the Kivalliq region on a 2 week in - 2 week out basis. Inuit personnel will assist in the collection of baseline data and will learn how to use the equipment.

3. Please describe the nature of local services and/or logistic support that will be required from local communities, eg. Equipment, accommodations, outfitting, translations...

NUNAMI HELICOPTER TRANSPORT CORPORATION; local airlines, boat, motor and assistant for work in the harbour M&T Enterprises - shipment of equipment and samples

4. Describe and attach documentation regarding community support or concerns for the proposed project?

land-HTO Letter of Support.doc land-Sakku Support Letter to NIRB.pdf land-Lorne Kusugak.pdf

A letter of support for the baseline work will follow from the Kivalliq Inuit Association.

5. Is there a traditional knowledge component to this research project? If yes, please explain:

Yes. AEM holds regular meetings with the HTO and CLARC, both having elders with considerable TK of the area. What is learned will be blended into the environmental baseline reports.

SECTION 8: GENERAL QUESTIONS

1. Do you give NRI permission to publish project information in the Nunavut Research Institute Annual Compendium of Research Undertaken in Nunavut?

☒ YES

☐ NO

2. Is the proposed research associated with International Polar Year (IPY)?

☐ YES

☒ NO

Applicant:

John Witteman

Signature

Consultant to AEM

Title

9 February 2012

Date

P.O. Box 1720 Iqaluit, NU, X0A 0H0 • PHONE: 867-979-7279 • FAX: 867-979-7109 • email mosh.cote@arcticcollege.ca

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