



PART 1 FORM

PROJECT PROPOSAL 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 Grail

2. Applicant's full name and mailing address:

Indicator Minerals Inc.
275 ñ 1075 West Georgia Street
Vancouver, BC V6E 3C9

Phone: 604.331.4605
Fax: 604.331.4654
Email: andream@indicatorminerals.com

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

Andrea Maynes, Indicator Minerals Inc.
275 ñ 1075 West Georgia Street
Vancouver, BC V6E 3C9

Phone: 604.331.5098
Fax: 604.331.4654
Email: andream@indicatorminerals.com

SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

☐	Regional Inuit Association (RIA)
☒	Nunavut Water Board (NWB)
☒	Nunavut Planning Commission (NPC)
☒	Indian and Northern Affairs Canada (INAC)
☐	Department of Fisheries and Oceans (DFO)
☐	Community Government & Services (CG&S)
☐	Nunavut Research Institute (NRI)
☐	Department of Culture, Language, Elders, and Youth (CLEY)

☐	Canadian Launch Safety (CLS)
☐	Environment Canada (EC)
☐	Government of Nunavut (GN)
☐	Department of National Defense (DND)
☐	Hamlet
☐	Parks Canada (PC)
☐	Canadian Wildlife Service (CWS)
☐	Other (please specify):

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

IOL Land Use Licence KTL105C019 for Prospecting and Staking; expiry June 29, 2010.

3. List the pending permits, licenses, or other authorizations related to the project proposal:

INAC Land Use Permit in progress, NPC Conformity, NWB Licence in progress

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

☐ YES

☒ NO

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

SECTION 3: PROJECT PROPOSAL DESCRIPTION

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

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

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.

☐	Base Metals (zinc, copper, gold, silver, etc)
☒	Diamonds*
☐	Uranium
☐	Other:*

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>
Helicopter	1	Equipment and fuel moving around camp	unknown
Twin/Single Otter	1	Drop off personnel, equipment and supplies at camp site	unknown

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.*

In conjunction with exploration activities, it is proposed that an exploration camp be established (described below), and an esker airstrip be established close to the camp location. An appropriate location for an esker strip is unknown at this time.

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.

The proposed structures are five 14' x 16' insulated canvas tents with wooden frames and two 14' x 32' insulated canvas tents with wooden frames. In addition to these, an outhouse facility is proposed for pecto toilets and a small plywood generator building to house a 20 kW diesel generator. Pending approval, a garbage incineration area is also proposed for the camp site.

4. Personnel

Total No. of personnel on site = (A)	10 (avg)	Total No. of days on-site = (B)	25	Total No. of Person days (A) × (B) = 250

5. Timing

Period of operation: from April 2010 to September 2015
Proposed term of authorization: from August 2010 to September 2015

6a. Region (check all that apply):

☐ North Baffin	☐ Kivalliq	☒ Kitikmeot	☐ Transboundary: _____
☐ South Baffin	☐ 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.

The proposed camp location is located on the Boothia Peninsula on the east shore of Chartrand Lake, approximately 65 kilometres northwest of the community of Taloyoak, NU.



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.):

Equipment type and number	Size – dimensions	Proposed use

2a. 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			
Aviation fuel			
Propane			
Other			
Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	

2b. Describe the proposed Spill Prevention Plan.

3a. Detail the anticipated daily water consumption rates

Daily amount (m³)	Proposed water retrieval methods	Proposed water retrieval location

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

☐ YES

☐ NO

If yes, what class of licence?

☐ Class A Water Licence

☐ Class B Water Licence

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste associated with the proposed project activities:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage (human waste)			
Greywater			
Combustible wastes			
Non-Combustible wastes			
Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			

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:

Community	Name	Organization	Date Contacted

SECTION 8: GENERAL QUESTIONS

1. Will you be disturbing any known archaeological sites?

☐ YES

☒ NO

SECTION 9: APPLICANT SIGNATURE

Please sign and date your application:

Signature

Title

Date



APPENDIX A Project Type Definitions

Access Trail: A project proposal with the objective of providing vehicular access to an area of interest involving minimal alteration to the terrain.

Advanced Exploration: A project proposal with the objective of identifying size, grade, and physical characteristics of a mineral occurrence and to assess the economic and technical feasibility of developing the mineral deposit into a producing mine

All-Weather Road: A project proposal with the objective of road construction for use in all seasons.

Bulk Sampling: A project proposal with the objective of extracting of large samples of mineralized material involving hundreds to thousands of tonnes. Samples are selected as representative of the potential mineral deposit being sampled. May involve crushing/milling (on small-scale)

Harvesting activities: A project proposal with the objective of harvesting animals, marine mammals and/or fish from their natural habitats by means of hunting or trapping for traditional and commercial use.

Marine Based Activities: Any activity occurring in the marine environment, such as vessel use associated with land-based activities or disposal at sea.

*Please note that normal community re-supply or individual ship movements not associated with land-based project proposals shall not be screened by NIRB (Section 12.12.2 of NLCA).

Mine Development: A project proposal with the objective of extracting broken rock with mineralization of sufficient grade and tonnage to sustain commercial mining operations (ore). Mining a body of ore can be achieved by either open pit and/or underground development. Mine development may involve milling. Milling involves treatment of the extracted ore through a combination of mechanical and chemical processes to selectively recover the valuable mineral.

Mineral Exploration: A project proposal with the objective of exploring an area to find geological anomalies. It involves site reconnaissance (ground and/or air) to locate broad and fiscal mineral deposits.

Offshore Infrastructure: A project proposal with the objective of building off loading facilities constructed off the shoreline and connected to the mainland of the marine or freshwater environment. Examples include a jetty, dock, or port facility.

Oil and Gas Exploration/Activities: A project proposal that includes 1) exploration, such as seismic or geological mapping, 2) drilling of oil and gas wells, 3) construction and operation of a pipeline, a gas processing plant or any oil and gas facility within Nunavut.

Pits and Quarries: A project proposal with the objective of pitting, which involves the extraction of granular material (i.e. sands and gravels) and quarrying, which involves the removal of consolidated rock (i.e. bedrock, frozen soil).

Scientific Research: A project proposal with the objective of implementing a series of site activities comprised of observation of phenomena, measurement and collection of data necessary for scientific investigation in designated areas within a limited time period.

Seismic Survey: A project proposal with the objective of conducting a survey to map the depths and contours of rock strata by timing the reflections of sound waves released from the surface. Survey site locations may be offshore (not within 12 nautical miles of any coast), near shore, and extended onshore.

Site Cleanups: A project proposal with the objective of site cleanups (includes DEW line site cleanups), which focuses on the remediation of chemically contaminated soils, stabilization of landfills and dumps, demolition/disposal of infrastructure and debris and monitoring after cleanup is completed.

