



NIRB File No.: 22YN042
NPC File No.: 149377

June 23, 2022

Derek Allerton
Qulliq Energy Corporation (QEC)
P.O. Box 250
Iqaluit Nunavut X0A 0H0

Sent via email: Dallerton@qec.nu.ca and permitting@apexgeoscience.com

Re: Notice of Screening for QEC's "Baker Lake Geothermal Project" Proposal

Dear Derek Allerton:

On June 13, 2022, the Nunavut Impact Review Board (NIRB) received a referral to screen Qulliq Energy Corporation's (QEC) "Baker Lake Geothermal Project" proposal from the Nunavut Planning Commission (Commission), with an accompanying positive conformity determination with the Keewatin Regional Land Use Plan.

Pursuant to Article 12, Sections 12.4.1 and 12.4.4 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)* and s. 87 of the *Nunavut Planning and Project Assessment Act*, S.C. 2013, c. 14, s. 2 (*NuPPAA*), the NIRB has commenced screening this project proposal and has assigned it file number **22YN042** - please reference this file number in all future related correspondence.

INFORMATION REQUEST

On June 13, 2022, the NIRB requested that the Proponent complete the online application form through the NIRB's public registry system and ensure, pursuant to s. 144(1) of the *NuPPAA*, that sufficient information is provided to determine the scope of the project activities being proposed and commence screening.

On June 15, 2022, the NIRB received the required information and commenced the screening pursuant to Part 3 of the *NuPPAA*.

PROJECT OVERVIEW

Project Scope:

All documents received and pertaining to this project proposal can be accessed from the NIRB's online Public Registry at www.nirb.ca/project/125716.

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| Project: | Baker Lake Geothermal Project |
| Region: | Kivalliq |
| Location: | QEC Power Plant Lot 447 within Baker Lake |
| Summary of Project Description: | The Proponent intends to drill an approximate 800-meter hole into the ground and measure the amount of heat available, while identifying anything that could limit the use of the heat measured. The intention is to determine if the heat can be used for electricity to power the Hamlet to reduce or eliminate diesel use depending upon the results obtained. |
| Project Proposed Timeline: | August – September 2022 |

According to the project proposal, the scope of the project includes the following undertakings, works or activities:

- Use of a diamond drill, with associated water pump and generator;
- Use of a flatbed and pickup truck for equipment and personnel;
- Use of instruments to collect data from drill hole;
- Use of water from municipal service for drill operations;
- Use of fuel:
 - Diesel (approximately 1025 litres),
 - Gasoline (approximately 205 litres), and
 - Propane (approximately 200 lbs).
- Disposal of waste at hamlet landfill or transported out for proper disposal as appropriate; and
- Use of Baker Lake services including but not limited to accommodation, food, waste facility, and sewage facilities.

Inclusion or Exclusion of Scoping List

At this time, the NIRB has identified no additional works or activities in relation to the project proposal. As a result, the NIRB will proceed with screening the project based on the scope as described above.

REQUEST FOR COMMENTS

All documents received can be accessed from the NIRB's online Public Registry www.nirb.ca/project/125716 and include:

- *Commission Conformity Determination*
- *Commission Application and Questionnaire*
- *NIRB's Online Application*

- *CIRNAC Land-use Permit Email*
- *Environmental Management Plan*
- *Abandonment and Restoration Plan*
- *Spill Contingency and Fuel Management Plan*
- *Waste Management Plan*
- *Emergency Response Plan*
- *Proposed Drill and Drillhole Locations*
- *Consultant RESPEC Authorization Letter*
- *Consultant APEX Authorization Letter*
- *QEC Authorization Letter*
- *Letter of Support from Baker Lake*
- *Non-Technical Project Description*

The NIRB will copy you on screening process related correspondence and upload related documents to the NIRB's online Public Registry for public access. The NIRB may request additional information at any time during the process.

The NIRB is copying parties and municipalities potentially affected by QEC project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **July 14, 2022**.

The NIRB would like parties to provide comments regarding:

- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic or socio-economic effects; and if so, why;
- Whether the project proposal is likely to cause significant adverse impacts on wildlife habitat or Inuit harvest activities; and if so, why;
- Whether the project proposal is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (and providing any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

CONTACT INFORMATION

Please send your comments to the NIRB via email at info@nirb.ca, via fax at (867) 983-2594 or via the individual project dashboard for this assessment on the NIRB's online Public Registry at www.nirb.ca/project/125716.

If you have any questions or require clarification, feel free to contact the undersigned at (867) 983-4306 or cpelletier@nirb.ca.

Sincerely,



Caitlin Pelletier
Technical Advisor
Nunavut Impact Review Board

Enclosures (4): Public Notice of Screening (English and Inuktitut)
Comment Forms (English and Inuktitut)

cc: Distribution List
Richard Dwyer, Nunavut Water Board
Luis Manzo, Kivalliq Inuit Association
Maria Serra, Kivalliq Inuit Association
Brenda Osmond, Kivalliq Inuit Association
Ashley Aupaluktuq-Burton, Kivalliq Inuit Association
Robert Chapple, Community & Government Services (GN-CGS)
Randy Mercer, Community & Government Services (GN-CGS)
Ken Wasylyshen, Community & Government Services (GN-CGS)
William Patch, Community & Government Services (GN-CGS)
Scott Low, Community & Government Services (GN-CGS)
Moshia Cote, Nunavut Research Institute
Tracey McCaie, Crown-Indigenous Relations and Northern Affairs Canada
Jalen Tagoona, Crown-Indigenous Relations and Northern Affairs Canada
Mayor of Baker Lake
Baker Lake SAO