



NIRB File No.: 15EN028

NPC File No.: 148649

Previous NPC File Nos.: 148166 and 148367

KIA File No.: KVL315B01 and KVRW16F01

INAC File No.: N2015C0019

NWB File No.: 2BE-KDP1722

November 29, 2017

Chris Taylor
Dunnedin Ventures Inc.
1110, 1111 West Georgia Street
Vancouver, BC V6E 4M3

Sent via email: ctaylor@dunnedinventures.com

Re: Notice of Screening for Dunnedin Ventures Inc.'s "Kahuna Property Field Camp" project proposal

Dear Chris Taylor:

On November 20, 2017 the Nunavut Impact Review Board (NIRB or Board) received a referral to screen Dunnedin Ventures Inc.'s (Dunnedin or the Proponent) "Kahuna Property Field Camp" project proposal from the Nunavut Planning Commission (NPC or Commission), with an accompanying positive conformity determination with the Keewatin Regional Land Use Plan. The NPC noted that the previous conformity determinations issued on January 7 and November 9, 2016 for the activities associated with the current proposal continue to apply and has determined that the project proposal is a significant modification to the project because of the addition of a temporary field camp.

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 section 87 of the *Nunavut Planning and Project Assessment Act* (NuPPAA), the NIRB has commenced screening this project proposal. Due to the proposal containing activities that are sufficiently related to previously assessed activities under NIRB file number **15EN028**, the NIRB views this project proposal as an amendment to the previously screened project and has assigned this proposal with this previous file number. Please reference this file number in all future related correspondence. A summary of the previously screened project activities can be found in **Appendix A**.

INFORMATION REQUEST

Following a preliminary completeness check, the NIRB determined that the proposal as submitted did not contain the necessary information for the NIRB to carry out its screening. Pursuant to subsection 144(1) of the NuPPAA, on November 20, 2017 the NIRB requested that the additional information from Dunnedin be provided to the Board. The Proponent provided the requested additional information on November 24, 2017 and the NIRB commenced the screening pursuant to Part 3 of the NuPPAA.

PROJECT OVERVIEW

Project Scope:

The proposed “Kahuna Property Field Camp” project is located within the Kivalliq region, approximately 40 kilometres (km) northeast of Rankin Inlet and 50 km southwest of Chesterfield Inlet. The Proponent intends to establish temporary field facilities to support an ongoing mineral exploration program for kimberlite occurrences at the Kahuna Property site. The program is proposed to take place from February to October 2018. The scope of activities previously approved for this ongoing exploration program (NIRB File No. 15EN028) has been included within **Appendix A**.

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

- Mobilization of 20 personnel to the Kahuna Property site;
- Establishment of a temporary 20-person field camp and associated facilities at the Kahuna Property site to support ongoing exploration activities;
- Establishment of a temporary fuel cache or storage facility with secondary containment at the Kahuna Property site for the following:
 - 30,750 litres (150 drums) of diesel fuel;
 - 30,750 litres (150 drums) of jet fuel;
 - 2050 litres (10 drums) of gasoline;
 - 60 litres of hydraulic/motor oil and solvents; and
 - 2000 pounds (20 cylinders) of propane;
- Daily withdrawal of water from proximal natural water bodies for camp use and to support ongoing exploration activities;
- Use of portable toilets for human waste;
- Use of a dual-chamber incinerator for domestic waste;
- Disposal of camp greywater in a natural depression;
- Transportation of hazardous, combustible and non-combustible wastes to approved facilities offsite for disposal; and
- Demobilization of field camp and fuel storage facilities, and reclamation and restoration of the site on completion of the exploration program.

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 and pertaining to this project proposal can be obtained from the NIRB's online public registry at www.nirb.ca by using any of the following search criteria:

- Project Name: Kahuna Property Field Camp
- NIRB File No.: 15EN028
- Application No.: 125186

The documents received include:

- *NPC Screening Referral and Conformity Determination*
- *NPC Application and Conformity Questionnaire*
- *NIRB's Online Application Form*
- *Non-technical Project Proposal summary in English and Inuktitut*
- *Project Description (2018 Work Plan)*
- *Maps noting locations of project components*
- *Fuel Management Plan*
- *Spill Prevention and Response Plan*
- *Waste Management Plan*
- *Environment and Wildlife Management Plan*
- *Emergency Response Plan*
- *Abandonment and Restoration Plan*

The NIRB will copy you on screening process related correspondence and upload related documents to the NIRB's online 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 Dunnedin's project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **December 20, 2017**.

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; if so, why;
- Whether the project proposal is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (please provide 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 by using any of the following search criteria:

- Project Name: Kahuna Property Field Camp
- NIRB File No.: 15EN028

- Application No.: 125186

If you have any questions or require clarification, please contact the undersigned at (867) 983-4616 or at kboaantwi@nirb.ca.

Sincerely,



Kofi Boa-Antwi, M.Sc., R.P.Bio.
Technical Advisor II
Nunavut Impact Review Board

cc: Distribution List
 Karén Kharatyan, Nunavut Water Board
 Luis Manzo, Kivalliq Inuit Association
 Maria Serra, Kivalliq Inuit Association
 Tracey McCaie, Indigenous and Northern Affairs Canada

Attachment: Appendix A: Previously-Screened Project Proposals

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

APPENDIX A: PREVIOUSLY-SCREENED PROJECT PROPOSALS

The original project proposal NIRB (File No. 15EN028) was received by the NIRB from Aboriginal Affairs and Northern Development Canada (*now* Indigenous and Northern Affairs Canada; INAC) on May 5, 2015 and was screened by the Board in accordance with Part 4, Article 12 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada* (Nunavut Agreement). On July 15, 2015 the NIRB issued a Nunavut Agreement 12.4.4(a) screening decision to the Minister of Aboriginal Affairs and Northern Development which indicated that the proposed project could proceed subject to the NIRB's recommended project-specific terms and conditions.

Dunnedin Ventures Inc.'s (the Proponent) original "Kahuna Diamond" project was located in the Kivalliq region, approximately 54 kilometres (km) northeast of Rankin Inlet and 37 km southwest of Chesterfield Inlet. The Proponent indicated that it intended to conduct a prospecting exploration program to continue assessing the potential for diamond deposits by evaluating kimberlite occurrences discovered during prior exploration studies. The program was proposed to take place from June to August, 2015.

According to the previously screened project proposal, the scope of the project included the following undertakings, works or activities:

- Daily transport of up to six (6) personnel to sample sites via helicopter from Rankin Inlet;
- Logistic support and personnel accommodations in Rankin Inlet;
- Collection of rock and soil samples to evaluate geology;
- Document additional information where rock and soil samples collected, specifically outcrop density, proximity to water, topography, plant species and local wildlife;
- Combustible and non-combustible wastes removed daily from project site for disposal in Rankin Inlet; and
- Burial of sewage.

On January 7, 2016 the NIRB received a referral to screen the Proponent's "Kahuna Diamond Project – 2016" project proposal from the Nunavut Planning Commission (NPC). On April 4, 2016 the NIRB issued a screening decision under *Nunavut Planning and Project Assessment Act* (NuPPAA) subsection 92(1)(c) determining that due to specific concerns, the project should be modified or abandoned. As outlined in the Board's screening decision report, concerns raised during the NIRB's assessment of the original project proposal related to the lack of adequate community consultation during the project's development and corresponding issues with the project's potential impacts on wildlife and wildlife habitat; soil, water and air; culturally and archaeologically sensitive areas; and the cumulative impacts of past and ongoing mining activity. On August 15, 2016 the Minister of Indigenous and Northern Affairs (the Minister), on behalf of the Responsible Ministers for the proposed project, accepted the Board's determination and directed the Proponent to clearly indicate any changes made to the project should they choose to submit a modified project proposal in the future which addresses the Board's concerns.

On February 28, 2017, after receiving an application for additional project activities in response to the NIRB's April 4, 2016 screening decision, the NIRB issued its Screening Decision Report with additional terms and conditions for the "Kahuna Diamond Project" as per paragraph 92(2)(a) of the NuPPAA.

The following is a summary of the scope of project activities associated with the NIRB's February 28, 2017 Screening Decision Report:

- Diamond exploration activities including:
 - Prospecting, geological mapping, and rock, till, and soil sampling;
 - Geophysical studies including ground magnetic and gravity surveys;
 - Test pit trenching of up to 10 sites/year;
 - Diamond and/or reverse circulation drilling on-ice and on land with hole depths averaging 75 metres (m) for a total drill program of 1,000 m/year to 2,500 m/year;
 - Bulk sampling at three (3) sample sites, including blasting, drilling, and excavation of up to 500 tonnes of sampling material/site, for a total bulk sampling program of up to 1,500 tonnes;
- Use of up to 100 cubic metres per day (m³/day) of water for site operations with disposal in sumps or natural depressions;
- Daily transportation of personnel, equipment, and materials during operational periods via helicopter from Rankin Inlet;
- Seasonal use of a winter trail between the community of Rankin Inlet and the project area to transport personnel, equipment, and materials during winter months using up to four (4) snow machines, a Caterpillar Challenger, a Bombardier Snowcat, and hauling sleighs;
- Use of heavy machinery and equipment, including winter hauling machinery, snow machines, an excavator, mineral exploration drills, generators, water pumps, and a helicopter, to support site and exploration operations;
- Transportation of fuel, oil, and chemicals for temporary storage and use at each bulk sampling site;
- Use of facilities and accommodations for up to 25 personnel in Rankin Inlet;
- Collection and storage of sewage, combustible, non-combustible, and hazardous wastes for transportation and disposal at accredited facilities in Rankin Inlet;
- Incineration of select combustible wastes, such as untreated wood and cardboard, on-site with the use of open-barrel burning;
- Remediation, including backfilling and re-contouring, of exploration sites; and
- Hiring of local residents for various project components including wildlife monitoring.