

Company Announcement, 22 April 2020

Indicative Timeline for Review of Kvanefjeld Project Environmental Impact Assessment

Greenland Minerals Ltd ('GML' or 'the Company') is pleased to update on the status of the Environmental Impact Assessment (EIA) for the Company's 100% owned Kvanefjeld Rare Earth Project. Prior to submission of updated EIA material, the Company commissioned an independent review, which is scheduled to be finalised in the week commencing April 27. All documentation will then be lodged with the Greenland Government.

In ongoing communications, Greenland's Environmental Agency for Mineral Resource Activities (EAMRA) has provided an indicative period of eight weeks to review the final Environmental Impact Assessment Report (EIA). Once the EIA is approved by EAMRA, the Ministry of Mineral Resources will manage the remainder of the licensing process, that includes formalising the public consultation process.

The Company has appointed Shared Resources, a renowned consultant to conduct the review of the final EIA. With numerous independent consultancies contributing to different aspects of the EIA, this comprehensive review has been undertaken to ensure consistency and cross referencing, and to ensure that feedback from the Greenland Government and their advisors is appropriately addressed.

Shared Resources lead consultant Ms Liz Wall who has extensive experience in the preparation of impact assessments has led this review. Ms Wall has had the opportunity to speak with key personnel of Greenland's EAMRA to discuss aspects of the EIA as part of this process.

Following EIA reviews in 2019, Greenland's EAMRA produced a short list of 'Type 1' issues for further clarification and study (Company Announcement 22 October 2019). Meetings were then held with EAMRA to discuss the Type 1 issues and determine what additional work should be done to address them.

Studies by independent consultants to address the Type 1 issues have since been completed (Company Announcement 23 March 2020), and these studies have now been reviewed by Shared Resources. In addition, the Danish Centre for Environment (DCE), primary advisors to Greenland's EAMRA, have reviewed the additional tailings storage and closure studies.

Respective consultancies are currently updating reports to address Shared Resources' and DCE's recommendations, which will be completed in the coming days. These additional EIA technical studies and the updated EIA report will then be submitted to EAMRA.

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Managing Director Dr John Mair commented:

“Travel restrictions resulting from the COVID-19 situation have resulted in key consultants having greater availability that we have looked to utilise. The additional review undertaken by Shared Resources has delayed the submission of EIA material by approximately three weeks but will ensure a more thorough and robust EIA. Given the extensive number of technical reports associated with the EIA and the numerous consultancies involved, this additional step has improved the consistency and overall quality of the Kvanefjeld EIA. We anticipate that this will also facilitate Greenland’s review of the updated EIA report.”

Background

The Kvanefjeld Rare Earth Project is one of the most significant and advanced emerging rare earth projects globally. Rare earth elements are critical to the electric vehicle revolution, as well as many other energy efficient applications. Kvanefjeld is well-placed to meet the major surge in rare earth demand that will be generated by the transition to electric vehicles.

The Kvanefjeld Project is forecast to be a globally significant producer of all commercially important rare earth elements including **neodymium**, **praseodymium**, **terbium** and **dysprosium**, over an initial **37**-year mine life. These rare earths are used to make high powered permanent magnets that are utilised in electric vehicles, along with many other applications.

Greenland Minerals Ltd has an internationally diverse shareholder base. The largest shareholder (11%) is Shenghe Resources Holding Co Ltd, a leading international rare earth company that supplies end-user industries globally with high purity rare earth metals and oxides. Shenghe have also played a key role in the successful restart of the Mountain Pass rare earth mine in the United States.

Authorised by:
John Mair
Managing Director

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ABOUT GREENLAND MINERALS LTD.

Greenland Minerals Ltd (ASX: GGG) is an exploration and development company focused on developing high-quality mineral projects in Greenland. The Company's flagship project is the Kvanefjeld Rare Earth Project. A pre-feasibility study was finalised in 2012, and a comprehensive feasibility study was completed in 2015 and updated following pilot plant operations in 2016. The studies demonstrated the unique and highly advantageous strengths of the Kvanefjeld Project and outlined the potential for Kvanefjeld to be developed as a long-life, low cost, and large-scale producer of rare earth elements; key enablers to the electrification of transport systems.

GML is working closely with major shareholder and strategic partner Shenghe Resources Holding Co Ltd to develop Kvanefjeld as a cornerstone of future rare earth supply. An exploitation (mining) license application for the initial development strategy was reviewed by the Greenland Government through 2016 -19 and was updated in 2019 following additional supporting studies.

In 2017-18, GML undertook technical work programs with Shenghe Resources Holding Co Ltd that improved the metallurgical performance and simplified the development strategy and infrastructure footprint in Greenland, with optimised Feasibility Study outcomes announced in mid-2019. This defined a significantly enhanced project cost-structure and a direct alignment with downstream processing. In addition, the Company continues its focus on working closely with Greenland's regulatory bodies on the processing of the mining license application and maintaining regular stakeholder updates.

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Greenland Minerals Ltd will continue to advance the Kvanefjeld project in a manner that is in accord with both Greenlandic Government and local community expectations and looks forward to being part of continued stakeholder discussions on the social and economic benefits associated with the development of the Kvanefjeld Project.

Competent Person Statement – Mineral Resources Ore Reserves and Metallurgy

The information in this report that relates to Mineral Resources is based on information compiled by Mr Robin Simpson, a Competent Person who is a Member of the Australian Institute of Geoscientists. Mr Simpson is employed by SRK Consulting (UK) Ltd ("SRK") and was engaged by Greenland Minerals Ltd on the basis of SRK's normal professional daily rates. SRK has no beneficial interest in the outcome of the technical assessment being capable of affecting its independence. Mr Simpson has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Robin Simpson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in the statement that relates to the Ore Reserves Estimate is based on work completed or accepted by Mr Damien Krebs of Greenland Minerals Ltd and Mr Scott McEwing of SRK Consulting (Australasia) Pty Ltd. The information in this report that relates to metallurgy is based on information compiled by Damien Krebs.

Damien Krebs is a Member of The Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the type of metallurgy and scale of project under consideration, and to the activity he is undertaking, to qualify as Competent Persons in terms of The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 edition). The Competent Persons consent to the inclusion of such information in this report in the form and context in which it appears.

Scott McEwing is a Fellow and Chartered Professional of The Australasian Institute of Mining and Metallurgy and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration, and to the activity he is undertaking, to qualify as Competent Persons in terms of The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code, 2012 edition). The Competent Persons consent to the inclusion of such information in this report in the form and context in which it appears.

The mineral resource estimate for the Kvanefjeld Project was updated and released in a Company Announcement on February 12th, 2015. The ore reserve estimate was released in a Company Announcement on June 3rd, 2015. There have been no material changes to the resource estimate, or ore reserve since the release of these announcements.

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