

Company Announcement, 18th December 2020

Kvanefjeld Rare Earth Project: Public Consultation to Commence

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- The Greenland Government has approved the commencement of the statutory public hearing of the Kvanefjeld Rare Earth Project in South Greenland
 - This is an important milestone in the Greenlandic Government's formal decision-making process in relation to the issuance of an exploitation permit for the Kvanefjeld deposit
 - Follows thorough review-revision process - all aspects of the project assessed as meeting Greenland Guidelines for public consultation that draw on international standards of best practice
 - Greenlandic and Danish translation quality checks of impact assessments completed
 - Statutory public hearing phase to commence immediately (December 18, 2020)
 - Kvanefjeld Project is underpinned by the world's largest code-compliant rare earth resource, strategically located with year-round direct shipping access in southern Greenland
 - Prices of critical magnet rare earths rising (neodymium, praseodymium, terbium, dysprosium), with strong demand outlook
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Greenland Minerals Ltd ('GML' or 'the Company') is pleased to advise that the Greenland Government on the 17th of December 2020 has accepted that **the key application documents** for an exploitation (mining) license, meets the Greenland Guidelines for public consultation. The Government has approved the commencement of the statutory public hearing of the Environmental Impact Assessment (EIA) and the Social Impact Assessment (SIA).

This is an important milestone in the Greenlandic Government's formal decision-making process in relation to the issuance of an exploitation license for the Kvanefjeld Project.

The hearing documents consists of the Environmental and Social Impact Assessments in English, Greenlandic and Danish. The studies have been through comprehensive reviews by the Greenland Government and their advisors and have been accepted as meeting the Greenland Guidelines.

The Greenlandic Minerals Act stipulates that it is a requirement that the EIA and SIA reports are subject to a public consultation. The public consultation starts on the 18th of December 2020 where Greenlandic, Danish, and English versions of the EIA and the SIA are made available on the Greenland Governments public hearing portal (<https://naalakkersuisut.gl/en/Hearings/Current-Hearings>). The public consultation hearing period will be 12 weeks.

During the public consultation period public meetings will be conducted in towns and villages in South Greenland. The meetings will be attended by representatives of the Greenlandic Government and officials from the Ministries of Mineral Resources and Environment. In addition, independent scientific experts and representatives from the Company will participate.

At the end of the hearing period Greenland Minerals A/S (a 100 % subsidiary of GML – and the holder of the Kvanefjeld licence) is required to address all hearing comments in a White Paper. Following consultation with the authorities, final EIA and SIA reports incorporating outcomes of the public hearing are submitted to the Mineral Resources Authority. The Greenlandic Government will then formally process the application for an exploitation permit for the Kvanefjeld Project.

GML Managing Director Dr John Mair commented:

“Kvanefjeld is a world-class mine development opportunity for Greenland that is well positioned to become a globally significant producer of rare earth materials that are critical to the important global agenda of reducing carbon emissions through the electrification of transport systems, and renewable energy.

Formal acceptance of commencement of the public hearing phase is the culmination of many years of rigorous work and is a landmark moment for Greenland Minerals and a key step toward development of the Kvanefjeld Project.

It comes at a time where rare earth demand is set to undergo a major increase, driven by strong demand for rare earth magnets that are utilised in electric vehicles, wind turbines and energy efficient technologies.

We look forward to providing further updates on the final steps to a mining license.”

About the Kvanefjeld Project

The Kvanefjeld Rare Earth Project is one of the most significant and advanced emerging rare earth projects globally. The Project is unique with respect to its favourable metallurgy and forecast production profile across all commercially important rare earths. Kvanefjeld is located near existing infrastructure in southern Greenland with year-round direct shipping access to the project area.

The scope of the Kvanefjeld Project impact assessments was defined by the ‘Terms of Reference’ that were approved in 2015, following public consultation.

Rare earth elements are critical to the electric vehicle revolution, as well as many other energy efficient applications. 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. Kvanefjeld is well-placed to meet the major surge in rare earth demand that will be generated by the transition to electric vehicles, along with growth in renewable energy.

Greenland Minerals Ltd has an internationally diverse shareholder base. The largest shareholder (9.5%) 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. Shenghe bring full rare earth value chain proficiency to the Kvanefjeld Project.

Authorised by:

The Board of Greenland Minerals Ltd

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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.