

Nuinsco Follows-Up on Positive Metallurgical Results with an Expanded Program at the Prairie Lake Critical Minerals Project

- Expanded metallurgical program launched following August 5, 2026 SGS Lakefield results confirming that marketable-grade phosphate ("P₂O₅") and rare earth element ("REE") concentrates can be produced at acceptable P₂O₅ recovery with negligible concentrations of deleterious elements.
- New test sample drawn from higher-grade zone of the 2026 updated Mineral Resource Estimate to assess how feed grade affects recovery and concentrate quality.
- Parallel petrographic/mineralogical program launching at McGill University under Dr. Anthony Williams-Jones to map REE-bearing mineralogy across concentrates and rejects.
- Independent Carleton University study reported that Prairie Lake apatite carries a mean 13,157 ppm total REE (1.54 wt.% total rare earth oxide ("TREO")) — which is at the high end of the range for carbonatite complexes (0.5 – 1.5 wt.% TREO) globally.
- Next metallurgical testing phase targets a phosphate concentrate significantly above 30% P₂O₅ at over 80% recovery.

Toronto, September 10, 2026 – Nuinsco Resources Limited ("Nuinsco" or the "Company") (CSE: NWI, FRA: NJX) today announced that, on the strength of the positive metallurgical results reported on August 5, 2026, by SGS Canada Inc. ("SGS Lakefield"), it is expanding the metallurgical studies on mineralization from its Prairie Lake Critical Minerals Project ("Prairie Lake" or the "Project"), located near Terrace Bay, Ontario.

"The recently completed metallurgical studies at SGS Lakefield produced positive results, demonstrating that an attractive grade of phosphate concentrates, with REEs, can be produced at acceptable rates of P₂O₅ recovery, with negligible deleterious element content. We considered it imperative to proceed immediately with further studies to expand our understanding of concentrate production from Prairie Lake mineralisation," said Paul Jones, Nuinsco's Chief Executive Officer. "The new sample has been selected from a large zone of higher-grade mineralization than was represented by previous samples, to determine how feed grade affects process recoveries and concentrate grade. The presence of substantial higher-grade domains at Prairie Lake is an important factor in the Project's potential development, as is the low deleterious element content, which has implications for its use as feed for high-purity phosphoric acid production — acid that is used in applications such as LFP battery manufacturing."

A new representative sample has been delivered to SGS Lakefield, drawn from the updated 2026 higher-grade subset of the Mineral Resource Estimate ("MRE"): 3.54 million tonnes at 4.59% P₂O₅ and 2,204 g/t TREO Indicated, and 53.45 million tonnes at 5.11% P₂O₅ and 2,355 g/t TREO Inferred (see the news release dated February 26, 2026). The new sample has substantially higher grade than the previous sample. The metallurgical program will conduct mineral concentration tests following the conditions and sequences identified as most effective in previous testing, with simplification of the procedures also to be considered.

In parallel with the metallurgical testwork at SGS Lakefield, petrographic and mineralogical studies will be conducted at McGill University under the supervision of Dr. Anthony Williams-Jones. These studies aim to deepen understanding of the REE distribution in the Prairie Lake Complex MRE. Samples from both the concentrates and rejects generated during metallurgical testing will be evaluated to identify their respective REE-bearing mineralogy. A clearer understanding of REE distribution will support more informed decisions on downstream processing.

Studies conducted at Carleton University have shown that phosphate-bearing apatite from Prairie Lake contains very high concentrations of REEs. The apatite averages 13,157 ± 7,063 ppm total REEs (1.54 ± 0.82 wt.% TREO), placing it at the upper end of the range reported for apatite in carbonatite complexes (0.5–1.5 wt.% TREO) globally. Its REE content is dominated by the light REEs neodymium ("Nd"), praseodymium ("Pr"), lanthanum, cerium and samarium, including the

high-value permanent-magnet REEs Nd and Pr. Other REE-bearing minerals identified at Prairie Lake include ancylite, carbocernaite and burbankite. The petrographic study underway at McGill University will further clarify their abundance, distribution and opportunity for REE concentrate production.

Prairie Lake is a significant critical minerals asset located in the heart of North America. It hosts a very substantial mineral resource of igneous phosphate mineralization and has among the world's highest known light rare earth element concentrations in apatite; the MRE also contains several other REE-bearing minerals, as well as the niobium mineral, pyrochlore. The target for the next phase of the metallurgical studies is a phosphate concentrate grading significantly higher than 30% P₂O₅, at higher than 80% process recovery — together with a valuable, rare earth element co-concentrate.

The elements found at Prairie Lake are essential for applications in transportation, agriculture, power distribution, battery and other green technologies, to name a few. The Project is of immense value to a secure Critical Minerals supply chain and presents substantial regional and national Canadian benefits. The MRE location benefits from proximity to:

- The Towns of Marathon, Terrace Bay and local First Nations - all able to supply a local, skilled workforce and services.
- All-weather forest access road crossing the Project location and deposit.
- Provincial TransCanada Highways 17 and 11 to the south and north respectively.
- Nearby Canadian Pacific Kansas City and Canadian National Railway networks.
- High capacity (230kV) electrical power transmission line.
- 50km from the Marathon deep water port project. Deep-water ports are also located at Thunder Bay and Sault Ste. Marie, able to handle ocean going ships.
- The Marathon airport.

Laura Giroux, P.Geo., Chief Geologist of Nuinsco, is a Qualified Person as defined under National Instrument 43-101; Ms. Giroux has reviewed and approved the technical content of this news release.

About Nuinsco Resources Limited

Nuinsco Resources has over 50 years of exploration success and is a growth-oriented, multi-commodity mineral exploration and development company focused on prospective opportunities in Canada and internationally. Currently the Company has the large multi-commodity (phosphate, rare earth element, niobium, tantalum) Prairie Lake Project near Marathon-Terrace Bay, the Zig Zag Lake Property (lithium, tantalum) near Armstrong currently operated as a joint venture with First Class Metals PLC, the Paradise Lake gold project in central Newfoundland, and retains a NSR royalty on the Sunbeam Gold Property near Atikokan.

Forward-Looking Statements

The information in this news release may contain forward-looking statements or information (collectively, "FLI") within the meaning of applicable Canadian securities legislation. FLI is based on expectations, estimates, projections, and interpretations as at the date of this document.

All statements, other than statements of historical fact, included herein are FLI that involve various risks, assumptions, estimates and uncertainties. Generally, FLI can be identified by the use of statements that include, but are not limited to, words such as "seeks", "believes", "anticipates", "plans", "continues", "budget", "scheduled", "estimates", "expects", "forecasts", "intends", "projects", "predicts", "proposes", "potential", "targets" and variations of such words and phrases, or by statements that certain actions, events or results "may", "will", "could", "would", "should" or "might", "be taken", "occur" or "be achieved."

FLI in this document may include but is not limited to: statements regarding results of metallurgical studies and their significance; the completion of future metallurgical studies on the Project, future production of marketable concentrates, and the general economic viability of the Project.

FLI is designed to help you understand management's current views of its near- and longer-term prospects, and it may not be appropriate for other purposes. FLI by their nature are based on assumptions and involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance, or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such FLI. Although the FLI contained in this document is based upon what management believes, or believed at the time, to be reasonable assumptions, the Company cannot assure shareholders and prospective purchasers of securities of the Company that actual results will be consistent with such FLI, as there may be other factors that cause results not to be as anticipated, estimated or intended, and neither the Company nor any other person assumes responsibility for the accuracy and completeness of any such FLI. Except as required by law, the Company does not undertake, and assumes no obligation, to update or revise any such FLI contained in this document to reflect new events or circumstances. Unless otherwise noted, this document has been prepared based on information available as of the date of this document. Accordingly, you should not place undue reliance on the FLI, or information contained herein.

Furthermore, should one or more of the risks, uncertainties or other factors materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in FLI.

Assumptions upon which FLI is based, without limitation, include: the results of exploration activities, the Company's financial position and general economic conditions; the ability of exploration activities to accurately predict mineralization; the accuracy of geological modelling; the ability of the Company to complete further exploration activities; the legitimacy of title and property interests in the Deposits; the accuracy of key assumptions; the ability of the Company to obtain required approvals; geological, mining and exploration technical problems; failure of equipment or processes to operate as anticipated; the evolution of the global economic climate; metal prices; foreign exchange rates; environmental expectations; community and non-governmental actions; and, the Company's ability to secure required funding. Risks and uncertainties about The Company's business are discussed in the disclosure materials filed with the securities regulatory authorities in Canada, which are available at www.sedarplus.ca.

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