

Plateau Energy Metals announces final results from its preliminary test work program at ANSTO Minerals laboratories, Australia

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Battery Grade Lithium Carbonate produced as final product from PLU's Falchani Li feed material. PLU now plans to progress

TORONTO, July 18, 2018 - [Plateau Energy Metals Inc.](#) ("Plateau" or the "Company") (TSX VENTURE:PLU)(FRANKFURT:QG1)(OTCQB:PLUUF), a lithium and uranium exploration and development company, is pleased to provide final results from the initial metallurgical test work program undertaken by ANSTO Minerals (a division of the Australian Nuclear Science and Technology Organisation) processing laboratories in Sydney, Australia. The test work was completed on representative lithium-rich tuff samples collected from outcrop trenches at the Falchani discovery on the Company's Macusani Plateau lithium/uranium project in southeastern Peru.

The test work forms part of the Company's continuing efforts to unlock value from the Falchani high-grade lithium discovery and demonstrates successful "proof of concept" precipitation of battery grade lithium carbonate product employing an approach which involves simple atmospheric acid leaching of the lithium-rich tuff feed material followed by conventional lithium processing steps.

ANSTO Minerals Test Work Results

- ANSTO Minerals has successfully completed a scoping study taking a sample of lithium-rich tuff, provided by PLU from the Falchani deposit in Peru, through to a battery grade lithium carbonate product. (Link to Figure 1 – Image of PLU Li_2CO_3 Product)
- Lithium Carbonate purity was reported at 99.73% from Primary LC precipitation before final refining
- Primary Lithium Carbonate product compares favourably with Industry Specifications (Link to Table 1 – PLU Primary Lithium Carbonate (LC) Analysis and LC Specifications). Final Refining expected to remove any elements that are "near-spec" limits (ex. Ca, K, Na, S)
- Starting with an atmospheric sulfuric acid leach, then after 12 hours in the bulk leach, downstream processing and purification was completed as per the flowsheet previously recommended by ANSTO Minerals.
- The approach successfully employed conventional lithium processing steps to produce battery grade product at the primary lithium carbonate precipitation step without any additional refining steps. (Link to Figure 2 – Preliminary Acid Leach Lithium Carbonate (LC) Flow Sheet for Falchani)
- This demonstrates the "proof of concept" required for the production of lithium carbonate from the Falchani deposit.
- The next step is to further develop the flowsheet and associated economic parameters for Li production to the requirements of a PEA level study.

Ian Stalker, the Interim CEO of Plateau Energy Metals, commented: "These are excellent results for Plateau Energy Metals. This preliminary metallurgical investigation work, completed at the well-known and highly respected laboratories at ANSTO Minerals, confirms that battery grade quality Lithium Carbonate can be produced from our Falchani "high-grade" lithium feed material. It is important to note that these first pass test results did not highlight any major concerns in the delivery of a quality, final product. The process flow sheet ANSTO followed used the simple sulfuric acid leach approach and employed conventional lithium processing steps.

The next step for PLU is commencing a Preliminary Economic Assessment Study (PEA) to better understand the economic background behind this preliminary result. We intend to commence this "Study" this quarter.

PLU is also busy completing our NI 43-101 Mineral Resource Estimate for our Falchani discovery and expect to release this shortly. The Resource Estimate will include a Maiden Resource for our high-grade Falchani

Lithium discovery and also a separate resource estimate for the uranium mineralization discovered during this recent drill program.

Qualified Persons

Doug Collier (FAusIMM) of ANSTO Minerals, and a qualified person as defined by National Instrument 43-101 *Standards of Disclosure for Mineral Projects*, has reviewed and approved the scientific and technical information contained in this news release.

About ANSTO Minerals

ANSTO Minerals is an international mining consultancy group located in Sydney, Australia, with an experienced team of 60+ engineers, metallurgists, chemists, and scientists who have been providing consulting services and process development services to the mining and minerals processing industries for well over 35 years. ANSTO Minerals has world-leading expertise in uranium ore processing, rare earth processing, zirconium/niobium/hafnium processing, base metals processing, lithium processing (brines and hardrock), and radioactivity control and management.

About Plateau Energy Metals

[Plateau Energy Metals Inc.](#) is a Canadian lithium and uranium exploration and development company focused on its properties on the Macusani Plateau in southeastern Peru. The Company controls all reported uranium resources known in Peru, significant and growing lithium resources and mineral concessions covering over 91,000 hectares (910 km²) situated near significant infrastructure. Plateau Energy Metals is listed on the TSX Venture Exchange under the symbol 'PLU', quoted on the OTCQB under the symbol 'PLUUF' and the Frankfurt Exchange under the symbol 'QG1'. The Company has 70,746,470 shares issued and outstanding.

Forward Looking Information

This news release includes certain forward-looking statements concerning possible expected results of exploration and future exploration and development activities. Forward-looking statements are frequently identified by such words as "may", "will", "plan", "expect", "anticipate", "estimate", "intend" and similar words referring to future events and results. Forward-looking statements are based on the current opinions and expectations of management. All forward-looking information is inherently uncertain and subject to a variety of assumptions, risks and uncertainties, including risks and uncertainties relating to the interpretation of drill results, the geology, grade and continuity of mineral deposits; the possibility that any future exploration, development or mining results will not be consistent with our expectations; mining and development risks, including risks related to accidents, equipment breakdowns, labour disputes (including work stoppages and strikes) or other unanticipated difficulties with or interruptions in exploration and development; the potential for delays in exploration or development activities; risks related to commodity price and foreign exchange rate fluctuations; risks related to foreign operations; the cyclical nature of the industry in which we operate; risks related to failure to obtain adequate financing on a timely basis and on acceptable terms or delays in obtaining governmental approvals; risks related to environmental regulation and liability; political and regulatory risks associated with mining and exploration; risks related to the certainty of title to our properties; risks related to the uncertain global economic environment; and other risks and uncertainties related to our prospects, properties and business strategy, as described in more detail in Plateau Energy Metals' recent securities filings available at www.sedar.com. Actual events or results may differ materially from those projected in the forward-looking statements and Plateau cautions against placing undue reliance thereon. Neither Plateau nor its management assume any obligation to revise or update these forward-looking statements.

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