



PRESS RELEASE

CRITICAL ELEMENTS CORPORATION SENDS SAMPLES OF LITHIUM CONCENTRATE TO USERS

MAY 14, 2014 – MONTREAL, QUEBEC – **Critical Elements Corporation** (TSX-V: CRE) (US OTCQX: CRECF) (FSE: F12) is pleased to announce that it has started shipping samples of lithium concentrate to a number of users for analysis and validation of the product specifications. The concentrate samples have a low iron content, which is specifically required by certain users. Validation of the Rose project material by some of the largest consumers of lithium concentrate with low iron content is part of the process of setting up long-term off-take contracts.

Concurrently, the Critical Elements Corporation team will launch a program over the coming months to produce a number of lithium carbonate samples. These samples will be shipped to battery manufacturers that the Company met with in the past year, for specification analysis and validation.

The Critical Elements Corporation team is also pursuing discussions with a number of potential users of lithium carbonate and tantalum with the goal of entering into long-term sales contracts.

Critical Elements is also pleased to announce that its President & CEO, Jean-Sébastien Lavallée, has been invited to speak at the 6th Lithium Supply & Markets Conference in Montréal on May 20-22, 2014, hosted by Industrial Minerals.

ABOUT CRITICAL ELEMENTS CORPORATION

Critical Elements is actively developing its 100%-owned Rose lithium-tantalum flagship project located in Quebec.

A recent financial analysis of the Rose project based on price forecasts of US\$260/kg (\$118/lb) for Ta_2O_5 contained in a tantalite concentrate and US\$6,000/t for lithium carbonate (Li_2CO_3) showed an estimated after-tax Internal Rate of Return (IRR) of 25% for the Rose project, with an estimated Net Present Value (NPV) of CA\$279 million at an 8% discount rate. The payback period is estimated at 4.1 years. The pre-tax IRR is estimated at 33% and the NPV at \$488 million at a discount rate of 8%. (Mineral resources that are not mineral reserves and do not have demonstrated economic viability). (See press release dated November 21, 2011.)

The operation is scheduled to produce 26,606 tons of high purity (99.9% battery grade) Li_2CO_3 and 206,670 pounds of Ta_2O_5 per year over a 17-year mine life.

The project hosts a current NI 43-101-compliant Indicated resource of 26.5 million tonnes of 1.30% Li_2O Eq. or 0.98% Li_2O and 163 ppm Ta_2O_5 and an Inferred resource of 10.7 million tonnes of 1.14% Li_2O Eq. or 0.86% Li_2O and 145 ppm Ta_2O_5 .

FOR MORE INFORMATION:

Jean-Sébastien Lavallée, P.Geo.
President and Chief Executive Officer
819-354-5146
president@cecorp.ca
www.cecorp.ca

Investor Relations:
Paradox Public Relations
514-341-0408

The Howard Group Inc.
Jeff Walker
Senior Associate
1-888-221-0915
jeff@howardgroupinc.com
www.howardgroupinc.com

CAUTIONARY STATEMENT CONCERNING FORWARD-LOOKING STATEMENTS

This news release contains "forward-looking information" including without limitation statements relating to realization of resource estimates, reduction of capital and operating costs, success of mining operations and the ranking of the project in terms of production. Readers should not place undue reliance on forward-looking statements.

Forward-looking statements 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 the forward-looking statements. Until a positive feasibility study has been completed, and even with the completion of a positive feasibility study, there are no assurances that the Rose project will be placed into production. Factors that could affect the outcome include, among others: the actual results of development activities; project delays; inability to raise the funds necessary to complete development; general business, economic, competitive, political and social uncertainties; future prices of metals; availability of alternative lithium or tantalum sources; actual rates of recovery; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; accidents, labour disputes and other risks of the mining industry; political instability, terrorism, insurrection or war; delays in obtaining governmental approvals, necessary permitting or in the completion of development or construction activities. For a more detailed discussion of such risks and other factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements, refer to the Company's filings with Canadian securities regulators available on SEDAR at www.sedar.com.

Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward-looking statements contained herein are made as of the date of this news release and the Company disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise, except as required by applicable securities laws.

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