

PRESS RELEASE

RELEASE DATE: April 17, 2014

5N Plus Appoints Bertrand Lessard as Chief Operating Officer

Montreal, Québec, April 17, 2014 – 5N Plus Inc. (TSX:VNP), the leading producer of specialty metal and chemical products, is pleased to announce that Mr. Bertrand Lessard has been appointed Chief Operating Officer of the Company, effective April 28, 2014.

Mr. Lessard has nearly 30 years of experience in technical, operational and leadership positions. Prior to joining 5N Plus, Mr. Lessard was General Manager of SEC Bloom Lake Iron Mine of Cliffs Natural Resources. He has worked for over 25 years at Xstrata (formerly Noranda and Falconbridge now Glencore Xstrata). His career started in 1985 at the Canadian Copper Refinery in Montreal where he held several technical and management positions to eventually take the lead of Operations in 1998. He also served as Director - Recycling, headquartered in Toronto, Ontario, and, in 2008 as Director - Copper, of the Kidd Creek metallurgical site in Timmins, Ontario, until 2010 when he joined the ranks of Cliffs Natural Resources.

Mr. Lessard holds a degree in Metallurgical Engineering from the École Polytechnique de Montréal, and graduated from the Western Executive Program at the Richard Ivey School of Business of London, Ontario.

Jacques L'Ecuyer, President and Chief Executive Officer, said "We are pleased to welcome Bertrand Lessard to our team as Chief Operating Officer. His prior experience in the minor metals field and in senior management positions of sizeable metallurgical facilities promise to be great assets to leverage our worldwide network of operations, execute on our growth plan and become a more efficient organization".

About 5N Plus Inc.

5N Plus is the leading producer of specialty metal and chemical products. Fully integrated with closed-loop recycling facilities, the Company is headquartered in Montreal, Québec, Canada and operates manufacturing facilities and sales offices in several locations in Europe, the Americas and Asia. 5N Plus deploys a range of proprietary and proven technologies to produce products which are used in a number of advanced pharmaceutical, electronic and industrial applications. Typical products include purified metals such as bismuth, gallium, germanium, indium, selenium and tellurium, inorganic chemicals based on such metals and compound semiconductor wafers. Many of these are critical precursors and key enablers in markets such as solar, light-emitting diodes and eco-friendly materials.

Forward-Looking Statements and Disclaimer

This press release may contain forward-looking information within the meaning of applicable securities laws. All information and statements other than statements of historical facts contained in this press release are forward-looking information. Such statements and information may be identified by words such as "about", "approximately", "may", "believes", "expects", "will", "intends", "should", "plans", "predicts", "potential", "projects", "anticipates", "estimates", "continues" or similar words or the negative thereof or other comparable terminology. Forward-looking statements are based on the best estimates available to 5N Plus at this time and involve known and unknown risks, uncertainties and other factors that may cause 5N Plus' actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. A description of the risks affecting 5N Plus' business and activities appears under the heading "Risk and Uncertainties" of 5N Plus' 2013 MD&A dated February 25,

2014 available on SEDAR at www.sedar.com. No assurance can be given that any events anticipated by the forward-looking information in this press release will transpire or occur, or if any of them do so, what benefits that 5N Plus will derive therefrom. In particular, no assurance can be given as to the future financial performance of 5N Plus. The forward-looking information contained in this press release is made as of the date hereof and 5N Plus undertakes no obligation to publicly update such forward-looking information to reflect new information, subsequent or otherwise, unless required by applicable securities laws. The reader is warned against placing undue reliance on these forward-looking statements.

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