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## FOR IMMEDIATE RELEASE

### **NORAM/ALBA APPLIES FOR THE COLLECTION OF A 10 TONNE SAMPLE TO PROCEED WITH BULK TESTING OF LITHIUM-RICH CLAY SAMPLES FROM ITS CLAYTON VALLEY NEVADA PROJECT**

*The focus of bulk testing is to assess the economics and substantiate the recovery yield of lithium carbonate directly from mineralized clays*

Vancouver, British Columbia – December 5th, 2017– Noram Ventures Inc. (TSX-Venture: NRM and Frankfurt: N7R) (“Noram” or the “Company”) and Alba Minerals Ltd. (“Alba”) (TSX-V: AA.V: AXVEF:US Frankfurt: A117RU) are pleased to announce Noram’s 100% owned subsidiary Green Energy Resources is applying to the Bureau of Land Management (BLM) to collect a 10 tonne sample to proceed with bulk sampling utilizing the [Membrane Development Specialists LLC](#) (MDS) bulk testing process on lithium-rich clay samples from its Clayton Valley Project following the successful drilling results from its Zeus and Hades claim groups (see news release of [Nov 21 2017](#)).

MDS is a world-leader in membrane technology applications and has extensive experience designing, building, commissioning and operating nanofiltration systems for the mining and oil & gas industries.

*“In our proprietary process, we are concentrating lithium as a sulfate. The permeate will contain 50–80% of the acid that is used, which is recycled back into the process,” explains Larry Lien, managing director of MDS. The technology enables the use of lithium deposits that previously were viewed as too dilutive for feasible recovery. The technology has been demonstrated at bench scale, and MDS is currently working with stakeholders to develop it for larger-scale operations. Since the process is based on established technologies, and requires no underground mining, Lien is confident in the scaleup potential. Lien projects that a relatively small 1,000-gal/min system could produce 5 tons of lithium carbonate per day.*

*After acidifying the clay, a UF unit removes the suspended solids. Next, a specialized NF membrane removes divalent cations like calcium and magnesium, and in some cases, rare-earth elements (REE) that can be concentrated in this step as well. The resulting permeate is a relatively pure stream of lithium sulfate, chloride or nitrate, which is concentrated with acid. “We concentrate the lithium stream up to 1,000 to 2,000 ppm, depending on what the osmotic pressure will allow,” explains Lien. “We can recover up to 96% of the lithium that is leached out of clays, so it is a pretty attractive solution,” he adds.*

The focus of the bulk testing is to assess the economics and substantiate the recovery yield of lithium carbonate directly from the mineralized clays using MDS’s environmentally friendly process. The MDS system will not incur many of the costs associated with other recovery methods. The process captures all reagents and nearly all of the water used in the process for reuse.

Prior to the bulk testing the samples will be assayed by SGS Labs, using a 3-Acid Digestion / ICP method. The samples will then be sent to MDS’s lab in Escondido, California, where the samples will be mixed with acid to simulate a Vat Leach process. The resulting samples will be processed by MDS to remove unwanted elements, such as magnesium and calcium thereby isolating the lithium carbonate. The lithium carbonate will then be assayed by SGS Labs for purity.

Noram’s independent technical consultant, Bradley Peek, MSc and CPG, will be preparing the 10 tonne clay samples; one from the drilling spoils pile surrounding the Hades bore hole (See [Photo](#)) and one collected from the location

where vertical chip samples ZS-2-029, ZS-2-030 and ZS-2-031 (See [Table](#)) were taken through a 12 foot (3.66 meters) stratigraphic section in the central area of the Zeus claims.

*“We expect the results of the MDS bulk testing will add significantly to our knowledge base as to the most effective method of recovery and help define the process model and plant design for further development of the lithium clays on our Clayton Valley Project. Our research indicates the MDS process could be the most effective to negate lithium extraction challenges particular to the Clayton Valley.”* said Noram’s President, Mark Ireton.

The technical information contained in this news release has been reviewed and approved by Bradley Peek, MSc and CPG, who is a Qualified Person as defined under National Instrument 43-101 with respect to Noram’s Clayton Valley Claim Group Project.

### **About Noram Ventures Inc.**

Noram Ventures Inc. (TSX-V: NRM Frankfurt: N7R OTCBB: NRVTF) is a Canadian based junior exploration company, with a goal of becoming a force in the Green Energy Revolution through the development of lithium and graphite deposits and becoming a low-cost supplier for the burgeoning lithium battery industry. The Company’s primary business focus since formation has been the exploration of mineral projects that include lithium projects in the Clayton Valley in Nevada, the Arizaro East mineral claim located in the eastern portion of the Salar de Arizaro in north- western Argentina and the Jumbo graphite property in British Columbia. Noram’s long term strategy is to build a multi-national lithium-graphite dominant industrial minerals company to produce and sell lithium and graphite into the markets of Europe, North America and Asia.

Please visit our web site for further information: [www.noramventures.com](http://www.noramventures.com)

### **About Alba Minerals Ltd**

Alba Minerals Ltd. Is a Vancouver based junior resource company with projects in North and South America, focusing on the development of our Lithium properties. Lithium Projects are located in Clayton Valley Nevada where Alba has earned a 25% interest in the project. The second lithium project Quiron II consist of 2,421 hectares of prospective exploration property in the Pocitos Salar, Province of Salta, Argentina. The Project is located approximately 7 km South East of Millennial Lithium - Southern Lithium JV Pocitos North Cruz Brine Project and 12 km northeast from the Liberty One Lithium Corp.

Please visit our web site for further information: [www.albamineralsltd.com](http://www.albamineralsltd.com)

### **ON BEHALF OF THE BOARD OF DIRECTORS**

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