

# Northern Graphite Successfully Completes Additional Battery Material Testing

written by Raj Shah | April 5, 2018



April 5, 2018 ([Source](#)) – Northern Graphite Corporation (**TSXV: NGC**) (**OTCQX: NGPHF**) announces that additional testing has confirmed that lithium ion battery (“LiB”) anode material made from concentrates from its Bissett Creek deposit meet or

exceed current commercial specifications. The test work was carried out by the Beijing General Research Institute of Mining and Metallurgy (“BGRIMM”), a Chinese state owned metallurgical research and development company.

Test results indicate that the crystallinity, yield and specific surface area (5.652 m<sup>2</sup>/g for 16µ material) of the Bissett Creek material were all better than industry standards. A yield of 50 per cent was achieved on a batch basis and can potentially be increased to 70 per cent with a continuous, commercial process. The tap density was 1 g/cm<sup>3</sup> which is comparable to existing products.

Gregory Bowes, CEO, commented that: “essentially all Bissett Creek production could theoretically be turned into a premium LiB anode material because of its outstanding crystallinity, flake size and purity, and this differentiates it from most other deposits. However, large and extra large flake concentrates are too valuable to be used in this manner.” He added: “the high percentage of large and XL flake at Bissett

Creek provides a strategic alternative of initially focussing on high value, high margin industrial markets rather than the battery market, which is currently very competitive and dominated by Chinese producers.”

BGRIMM has commenced a second study to evaluate the Company’s LiB anode material (also called spherical graphite or “SPG”), with respect to purification, coating and electrochemical performance. Purification in particular is a key step in manufacturing SPG. The tests will enable the Company to benchmark the results against its own patent pending purification technology. The Company’s technology, jointly developed with Hatch Inc., potentially represents the first cost competitive, environmentally sustainable alternative to Chinese methods of manufacturing anode material for the rapidly growing electric vehicle and grid storage markets.

### **About BGRIMM**

BGRIMM is a premier Chinese institute in the field of mining and metallurgical technology and operates directly under the Chinese Government (SASAC). It has over 4,000 employees, is headquartered in Beijing and has operations in a number of provinces including Hebei, Jiangsu, Liaoning and Hunan as well as Santiago, Chile. BGRIMM has been conducting research on graphite since the 1970s and its services include mining, mineral processing (process development, flotation and reagent optimization and equipment design), and purification and downstream processing. It has completed a number of key national projects in recent years.

### **About Northern Graphite**

Northern Graphite is a Canadian development company with a 100% interest in the Bissett Creek graphite deposit, which is located in southeastern Canada and relatively close to all required

infrastructure. The Company has completed a full feasibility study for a Phase 1 development, a preliminary economic assessment for an expansion to meet the expected growth in future demand, and has secured its major environmental permit. The Bissett Creek project has low initial capital costs, a high profit margin and low marketing risk resulting from high quality concentrates and a realistic production level relative to the size of the market.

### **Qualified Person**

Gregory Bowes, B.Sc. MBA, P. Geo., a Qualified Person as defined under National Instrument 43-101, has reviewed and is responsible for the technical information in this news release.

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