

First Canadian Graphite Inc.: Congratulations to Volt Carbon Technologies on Second U.S. Patent and Graphene Achievement

03.10.2025 | [The Newswire](#)

[First Canadian Graphite Inc.](#) ("First Canadian Graphite" or the "Company" or "FCI") (TSX-V: FCI, FSE: BK20) is pleased to congratulate its partner, Volt Carbon Technologies Inc., on receiving a Notice of Allowance for a continuation of its U.S. patent on proprietary air classifier technology, as well as on its recent achievements in graphene development.

This announcement builds on the collaboration established through the Preliminary Mineral Processing Agreement signed June 5, 2023, between First Canadian Graphite (formerly Green Battery Minerals) and Volt Carbon Technologies.

Volt Carbon Technologies Inc. (TSX-V: VCT) (OTCQB: TORVF) October 2, 2025 news release (link below) highlights two significant milestones:

- Graphene Achievement Successful production and independent verification of reduced graphene oxide (rGO) sheets from Berkwood flake graphite, delivering 40–60% improved mechanical properties when mixed into epoxy resin, the standard matrix used in aerospace carbon fiber composites.
- Second U.S. Patent Notice of Allowance: Expanding protection for Volt Carbon's air classifier technology, enhancing graphite processing efficiency and advanced material applications.

Importantly, Volt Carbon's patent and graphene achievements were made using graphite sourced from First Canadian Graphite's Berkwood project, confirming the quality and suitability of the Company's deposit for advanced processing and next-generation applications.

Reduced Graphene Oxide (rGO) is an advanced material derived from natural graphite that combines the ease of processing graphene oxide with many of the exceptional properties of pure graphene. rGO retains graphene's high strength, conductivity, and surface area, making it highly attractive for applications in batteries, energy storage, aerospace composites, and advanced materials.

These results demonstrate not only the strength of Volt Carbon's technology platform but also the quality and potential of Berkwood graphite as a feed source for high-value advanced materials. Together, this strengthens the foundation for First Canadian Graphite's partnership with Volt Carbon and underscores the significant opportunities in graphite processing, energy storage, and advanced composites markets.

Full Volt Carbon release available here:

Volt Carbon Technologies News Release – October 2, 2025

https://www.thenewswire.com/data/tnw/clients/img/600df9083216b24fbe139abdd277fce1_.png
Figure 1, TEM Imaging of reduced Graphene Oxide Performed at University of Waterloo (spots in background are substrate)

CEO Quote:

"The successful production of reduced graphene oxide (rGO) using graphite from our Berkwood project is a powerful validation of the quality of our resource," said Tom Yingling, President & CEO of First Canadian Graphite. "It demonstrates how our graphite can move beyond traditional uses and into high-value applications such as batteries, aerospace composites, and advanced materials. This achievement underscores the strategic importance of our project in meeting the growing global demand for next-generation carbon technologies."

About the Berkwood Graphite Project

The Berkwood Graphite Project is located within the jurisdiction of Quebec, in the Manicouagan Regional County Municipality, three hours driving time from the city of Baie-Comeau. Easy access is provided via a major secondary road and numerous tertiary and forest roads that traverse the property.

The Zone 1 resource lies 8 km southwest of Nouveau Monde's deposit which has a \$3.5 billion NPV on it. The Companies Zone 1 resource, and that of Nouveau Monde, share many similar geological characteristics, with the Zone 1 resource being of exceptionally high grade and coarse flake size by global standards.

The current mineral resource at the Berkwood Graphite Project includes in-pit constrained resource totalling 1,755,300 tonnes of indicated resources at 17.00 % Cgr and 1,526,400 tonnes in inferred resources at 16.39 % Cgr.

Table 2:

In-pit Resource at Lac Gueret South Project (rounded numbers)
Current Resources (as of June 17th, 2019)

Minerals Resources Category	Tonnage (Mt)	Grade (% Cgr)	Cgr (t)	Cut off
Indicated	1.76	17.0	299,200	6.81%
Inferred	1.53	16.4	250,200	6.81%

The mineral resource estimates above are described in the technical report entitled, on the Lac Gueret South Graphite Property, Quebec, Canada. With an Effective date of June 30th, 2019, by Edward Lyons, PGeo., Florent Baril, ing., and Claude Duplessis, ing.

About the Company: First Canadian Graphite is managed by a team with over 150 years collectively with a proven track record of not just finding numerous mines but building and operating them too. First Canadian Graphite Inc. management team's most recent success is discovering the Berkwood graphite resource in Northern Quebec. Green Battery Mineral owns this asset 100 percent, and the Company's shareholders will benefit from this asset as the demand for Graphite for electric vehicles increases significantly.

On Behalf of the Board of Directors, First Canadian Graphite Inc.

'Thomas Yingling'
President, CEO & Director

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Disclaimer for Forward-Looking Information: Certain statements in this document which are not purely historical are forward-looking statements, including any statements regarding beliefs, plans, expectations or intentions regarding the future. Forward looking statements in this news release include that the Company will carry out the drill program described in this news release, conduct the Offering and expend funds on Berkwood Graphite Project exploration. It is important to note that the Company's actual business outcomes and exploration results could differ materially from those in such forward-looking statements. Risks and uncertainties include that further permits may not be granted timely or at all; the mineral claims may prove to be unworthy of further expenditure; there may not be an economic mineral resource; methods we thought

would be effective may not prove to be in practice or on our claims; economic, competitive, governmental, environmental and technological factors may affect the Company's operations, markets, products and prices; our specific plans and timing drilling, field work and other plans may change; we may not have access to or be able to develop any minerals because of cost factors, type of terrain, or availability of equipment and technology; and we may also not raise sufficient funds to carry out our plans. Additional risk factors are discussed in the section entitled "Risk Factors" in the Company's Management Discussion and Analysis for its recently completed fiscal period, which is available under Company's SEDAR profile at www.sedar.com. No assurance can be given that any of the events anticipated by the forward-looking statements will occur or, if they do occur, what benefits the Company will obtain from them. These forward-looking statements reflect management's current views and are based on certain expectations, estimates and assumptions, which may prove to be incorrect. Except as required by law, we will not update these forward-looking statement risk factors. Neither TSX Venture Exchange nor its Regulation Services Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this News Release.

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Die URL für diesen Artikel lautet:

<https://www.rohstoff-welt.de/news/707236--First-Canadian-Graphite-Inc.--Congratulations-to-Volt-Carbon-Technologies-on-Second-U.S.-Patent-and-Graphen>

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