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FOR IMMEDIATE RELEASE

Volt Carbon Granted U.S. Patent for Novel Graphite Extraction Technology and Extends Placement

December 18, 2024, Calgary, AB, Canada – Volt Carbon Technologies Inc. (“Volt Carbon” or the “Company”) (TSX-V: VCT) (OTCQB: TORVF), with reference to its prior News Release dated December 5, 2024, is pleased to announce the issuance of U.S. Patent No. 12,172,192 for its air classifier technology. This innovative technology is considered a breakthrough in graphite extraction, offering a dry, efficient, and environmentally sustainable method for processing large flake graphite.

The patented air classifier eliminates the use of chemical reagents and virtually eliminates the use of water, addressing two of the most significant challenges in traditional graphite processing. As cited in the independent Carbon Credit preliminary feasibility study (“PFS” or the “Study”) conducted by Natureblocks Technology Inc. also known as EmitIQ, this novel method delivers high-purity graphite at reduced environmental and operational costs. The process has the ability to cut greenhouse gas emissions by up to 99%, while virtually eliminating the need for water. Volt Carbon intends to scale this innovative process and deliver a cost-competitive and environmentally sustainable alternative to traditional graphite processing. Additionally, the PFS highlights the potential for Volt Carbon’s novel technology to generate carbon credits valued between \$140 to \$340 USD per ton, further enhancing its economic and environmental impact.

Volt Carbon has successfully demonstrated this technology by purifying the Berkwood deposit to 98% purity, with results independently verified by a third party for Green Battery Minerals Inc. (TSX-V: GEM). The Company is also collaborating with GEM to develop applications for expandable graphite, a key material used in high-performance batteries, thermal management systems, and flame-retardant solutions.

“This patent secures our intellectual property and validates our commitment to solving critical mineral supply challenges,” said V-Bond Lee, CEO, President, and Chairman of Volt Carbon Technologies. “The air classifier is designed to meet the growing demand for sustainably sourced graphite. It is a key step toward building North America’s capacity to process and commercialize its own local critical mineral resources.”

Volt Carbon is now focused on constructing a demonstrator unit to validate the air classifier’s feasibility at industrial scale. This project is expected to attract investors and strategic partners interested in sustainable graphite production and advancing clean energy technologies.

Extension of Private Placement

In reference to the Company’s prior news release dated December 2, 2024, regarding its ongoing private placement, Volt Carbon announces that it has extended the closing date of the private placement to December 31, 2024. The terms of the private placement remain unchanged, providing potential investors with additional time to participate in supporting the advancement of Volt Carbon’s innovative technologies and strategic initiatives.

About Volt Carbon Technologies

Volt Carbon Technologies, headquartered in Calgary, is a publicly traded carbon science company focused on energy storage and green energy solutions. The company operates a lithium-ion battery plant in Guelph and a mineral processing facility in Toronto. Volt Carbon also holds mining claims across Ontario, Quebec, and British Columbia, supporting its commitment to sustainable resource development. For the latest updates on Volt Carbon’s projects and news, visit www.voltcarbontech.com.

On behalf of the Board of Directors,

Volt Carbon Technologies Inc.

V-Bond Lee, P. Eng.
CEO, President, Chairman of the Board and Director

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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 release.

FORWARD LOOKING STATEMENTS AND FUTURE ORIENTED FINANCIAL INFORMATION: This press release contains forward-looking statements and future oriented financial information, within the meaning of applicable securities legislation, concerning Volt Carbon's business and affairs. In certain cases, forward-looking statements or future oriented financial information can be identified by the use of words such as "plans", "expects" or "does not expect", "intends" "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved". Such forward-looking statements and future-oriented financial information include those with respect to: (1) the issuance of U.S. Patent No. 12,172,192 and its role in advancing Volt Carbon's air classifier technology; (2) the expected environmental benefits of the air classifier technology, including a potential 99% reduction in greenhouse gas emissions as cited in the Carbon Credit Preliminary Feasibility Study (PFS) conducted by EmitIQ (Natureblocks Technology Inc.); (3) the intention to scale this innovative process and deliver a cost-competitive and environmentally sustainable alternative to traditional graphite processing; (4) the ongoing development of applications for expandable graphite in collaboration with Green Battery Minerals Inc. (TSX-V: GEM); (5) the construction and validation of a demonstrator unit to support the commercialization of the air classifier at an industrial scale; (6) the anticipated generation of carbon credits valued between \$140 to \$340 USD per ton as outlined in the PFS; and (7) the extended private placement, providing additional time for investment to support the Company's strategic initiatives. The future oriented financial information contained in this news release was approved by management as of the date hereof. The purpose of the future oriented financing information is to provide investors, analyst and other financial stakeholders insight into the potential economic benefits resulting from Carbon Credits and readers are cautioned that the information may not be appropriate for other purposes.

Statements of past performance should not be construed as an indication of future performance. Forward-looking statements and future-oriented financial information involve significant risks, uncertainties and assumptions, and should not be read as guarantees of future performance or results and will not necessarily be accurate indications of whether or not such results will be achieved. These assumptions and risks include, but are not limited to: the continued existence of the carbon credit program in Canada and future viability of same, regulatory and governmental changes, capital and operating costs varying significantly from estimates, the ability to replicate the results of the Study in a demonstrator unit and at a commercial production level, the ability to construct a demonstrator unit with reasonable construction and operating costs, the ability to construct units that can operate on a commercial scale, the data available at the time of the Study, the reliability of third-party sources, including the Study, the assumptions and limitations outlined in the Study, the preliminary in nature of the Study and the fact that estimates provided therein are subject to revisions in subsequent design phases or through more comprehensive assessments such as a Feasibility Study or Life Cycle Assessment. A number of factors, including those discussed above, could cause actual results to differ materially from the results discussed in the forward-looking statements. Any and all such forward-looking statements or future oriented financial information in this press release are expressly qualified in their entirety by these cautionary statements. Readers are cautioned not to place undue reliance on such forward-looking statements and future oriented financial information. Forward-looking information and future oriented financial information are provided as of the date of this press release, and Volt Carbon assumes no obligation to update or revise them to reflect new events or circumstances, except as may be required under applicable securities legislation.