

Plaid Advances Graphene-Enhanced Wellbore Cement Platform with Newly Developed Prepared Additive Technology

Vancouver, BC — January 16, 2026 — Plaid Technologies Inc. (“Plaid” or the “Company”) (CSE: STIF) (OTC: STIFF) (FRA: 5QX0) today announces the completion and internal validation of a significant advancement in its cement-enhancement process, representing an important step forward in the evolution and scalability of its graphene-enhanced wellbore cement platform.

The Company has developed a graphene-enhanced cement additive that incorporates Plaid’s graphene-layering technology directly into the cement blend, enabling the fortified cement to be handled, transported, and mixed in the same manner as conventional cement additives. As a result of this advancement, Plaid has immediately begun transitioning away from its previous mechanical modification system toward this simplified, ready-to-blend approach.

This innovation represents a meaningful improvement in operational simplicity, efficiency, and scalability. By designing the prepared additive to align with standard weight formats, storage practices, and handling procedures already used at oil and gas well-sites, the Company has removed several barriers that potentially limited large-scale deployment. The new approach eliminates the need for specialized mechanical equipment, additional power requirements, and on-site setup and management previously associated with mechanical cement modification, allowing the technology to scale much more rapidly across multiple sites and operators without incremental operational burden.

The prepared additive is produced under professionally monitored conditions prior to delivery, enabling tighter formulation control and greater consistency than can be achieved through mechanical modification in variable field environments. This centralized production model supports repeatable performance at scale, helping reduce variability and enhancing reliability in wellbore abandonment applications where long-term integrity is critical.

By enabling operators to rely on existing mixing infrastructure and established logistics chains, the Company believes this approach not only streamlines field operations but also supports faster deployment, lower costs, and a smaller environmental footprint. These attributes align with the industry’s increasing focus on efficiency, predictability, sustainability, and solutions that can be adopted broadly without disrupting proven workflows.

Management views this development as a significant step forward in Plaid’s product evolution and a key enabler of commercial scale-up. The Company is actively evaluating opportunities to establish intellectual property protections related to this newly developed prepared additive technology as part of its ongoing efforts to build a defensible, scalable materials platform.

“This advancement represents a major milestone for Plaid,” said Guy Bourgeois, CEO of Plaid Technologies Inc. “By moving from mechanical modification to a prepared graphene-enhanced cement additive, we’ve simplified deployment, improved consistency, and made the technology far easier to scale using existing field infrastructure. Centralized production supports repeatable performance, and we believe this positions Plaid to help address the long-standing challenge of methane-leaking oil and gas wells in the U.S. as we advance toward commercialization.”

About the Company

The Company focuses on the development and commercialization of graphene-enhanced technologies. Plaid is simultaneously pursuing a range of applications for its proprietary graphene-infused concrete mixture, with an initial focus on wellbore cement and subsurface applications. Management expects Plaid's unique mixture to pave the way for a new era in well abandonment, combining cutting-edge materials with precision engineering.

On Behalf of the Board of Directors

"Guy Bourgeois"

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Forward-Looking Statements

This news release contains forward-looking statements and forward-looking information within the meaning of applicable Canadian securities laws. Forward-looking statements include, but are not limited to, statements regarding the Company's development program, expected performance characteristics, potential commercial applications, scalability, and future testing and validation. Forward-looking statements are based on management's current expectations and assumptions and are subject to known and unknown risks, uncertainties, and other factors that may cause actual results to differ materially, including risks relating to technical development, testing outcomes, third-party collaboration, regulatory requirements, market acceptance, and the availability of financing. Readers are cautioned not to place undue reliance on forward-looking statements. The Company undertakes no obligation to update forward-looking statements except as required by law.