



## DELTA AND CANADA'S NATIONAL RESEARCH COUNCIL COMPLETE CO<sub>2</sub> CAPTURE CORROSION STUDY

Calgary, Alberta – November 7, 2024 – Delta CleanTech Inc. (“Delta” or the “Company”) (CSE:DELT, FRA: 66C).

Delta and the National Research Council (“NRC”) are pleased to announce the successful completion of the CO<sub>2</sub> Capture Corrosion Study using one of Delta’s formulated solvents at varying conditions of CO<sub>2</sub> loading and heat-stable salts (HSS).

***The results are significant for the future life cycle of carbon capture plants:***

**Temperature Effects:** Tested at high and low temperatures - there was no pitting tendency, which is crucial for long-term durability in CO<sub>2</sub> environments;

**Immersion Test Results:** After 40 days of immersion in a Delta formulate solvent, no significant weight loss or surface damage was observed in the AISI (American Iron and Steel Institute) 304L specimens, indicating excellent resistance to general corrosion;

**Conclusion:** These findings suggest that AISI 304L stainless steel, used in conjunction with Delta’s formulated, solvent, can operate effectively in CO<sub>2</sub> capture systems with minimal risk of pitting or significant material degradation. This could ensure the long-term life cycle integrity of critical infrastructure in carbon capture plants.

*Lin Li, Delta’s Senior Manger of Engineering commented, “ Maintaining the integrity of materials of construction used in CO<sub>2</sub> capture is very important for the long-term viability of the CO<sub>2</sub> capture plant. Corrosion substantially affects the overall operation of the CO<sub>2</sub> capture process. By reducing corrosion, efficiency will be enhanced over the life span of the plant, which in turn will substantially reduce the operating and capital costs of the plant in the long term.”*

Delta would like to thank the NRC for their assistance and cooperation on this project.

Delta CleanTech Inc. is a 20-year ESG-driven, recognized global technology leader in CO<sub>2</sub> Capture, Decarbonization of Energy, Ethanolamine & Glycol purification-Solvent Assurance, Blue Hydrogen Production, and Carbon Credit Aggregation and Management. Delta continues to provide solutions to clients all over the world in sequestering, capturing, and reducing CO<sub>2</sub> and through its affiliate, Carbon RX, is originating, validating, digitizing, and streaming Carbon Credits.

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Forward Looking Statements This news release contains "forward-looking information" within the meaning of applicable Canadian securities legislation, which are based upon Delta's current internal expectations, estimates, projections, assumptions and beliefs and views of future events. Forward-looking information can be identified using forward-looking terminology such as "expect", "likely", "may", "will", "should", "intend", "anticipate", "potential", "proposed", "estimate" and other similar words, including negative and grammatical variations thereof, or statements that certain events or conditions "may", "would" or "will" happen, or by discussions of strategy. Forward-looking information include estimates, plans, expectations, opinions, forecasts, projections, targets, guidance, or other statements that are not statements of fact. Specifically, this news release contains forward looking information relating to the Company's solvents and the successful implementation and operation of the technology resulting in long term viability of CO<sub>2</sub> capture plants used by industry participants.

The CSE does not accept responsibility for the adequacy or accuracy of this release.