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TSXV: CST

Outstanding shares: 79,187,836

CO₂ Solutions Completes Investigatory Phase of Collaboration with Alcoa

Quebec City, Quebec, July 9, 2012 – CO₂ Solutions Inc. (TSX-V: CST), an innovator in the field of enzyme-enabled carbon capture technology, announced today the successful completion of the initial investigatory phase of its carbon capture pilot program with Alcoa, Inc. The project, started in April, 2011, is designed to capture and sequester industrial carbon emissions in alumina production waste, neutralize these materials and then create a commercially viable product.

The program, part of Alcoa's ongoing commitment to enhance its operational sustainability, proposed to use Alcoa's induct scrubber technology to capture carbon dioxide (CO₂) emissions. After capturing the emissions, the technology treats and then uses a primary by-product of the aluminum manufacturing process known as alkaline clay, or bauxite residue, as well as other alkaline industrial residuals.

The initial stage of the project tested Alcoa's gas scrubbing process using enzymatic technology from CO₂ Solutions and Codexis, Inc. Alcoa funded the project, which also received financial contributions from the U.S. Department of Energy (DOE), made available by the American Recovery and Reinvestment Act (ARRA).

The results of the initial phase of the project have been reviewed by CO₂ Solutions, Codexis and Alcoa scientists and engineers. The project yielded positive results, which demonstrated the potential of the enzymatic technology for efficient CO₂ capture from industrial effluent gases.

However, it was determined that the project would not meet the mandatory timeline for continued funding imposed by the DOE of commercial demonstration deployment in 2014. With no additional funding from the DOE for this reason, the project will not move ahead to the next phases at this time. Despite this outcome, the following important, positive technical results were noted:

- The use of CO₂ Solutions/Codexis technology provided for marked increases in CO₂ capture efficiency and the ability to reduce equipment sizing;
- Enzymes were stable in the carbonate solvent employed;
- The potential to utilize enzymes to efficiently capture CO₂ with a low-energy carbonate solvent was confirmed and provides the opportunity to apply this technology approach to other industrial applications for carbon sequestration.

CO₂ Solutions intends to explore the further development and application of the technology where private and public sector backing can support a commercial demonstration.

"While we are disappointed that the project will not proceed as planned, the technical results validate our belief that our enzyme-enabled carbon capture technology will become commercially viable in the aluminum industry, and other industries where carbon dioxide could be efficiently sequestered," said Glenn R. Kelly, CO₂ Solutions' President and Chief Executive Officer.

About CO₂ Solutions Inc.

CO₂ Solutions is an innovator in the field of enzyme-enabled carbon capture and has been actively working to develop and commercialize the technology for stationary sources of carbon pollution. CO₂ Solutions' technology lowers the cost barrier to Carbon Capture, Sequestration and Utilization (CCSU), positioning it as a viable CO₂ mitigation tool, as well as enabling industry to derive profitable new products from these emissions. CO₂ Solutions has built an extensive patent portfolio covering the use of carbonic anhydrase, or analogues thereof, for the efficient post-combustion capture of carbon dioxide with low-energy aqueous solvents. Further information can be found at www.co2solutions.com

CO₂ Solutions Forward-looking Statements

Certain statements in this news release may be forward-looking. These statements relate to future events or CO₂ Solutions' future economic performance and reflect the current assumptions and expectations of management. Certain unknown factors may affect the events, economic performance and results of operations described herein. CO₂ Solutions undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable law.

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