



**TSX-V: CST**

## **CO<sub>2</sub> Solutions Provides Update on Demonstration Project**

*Performance of Salaberry-de-Valleyfield CO<sub>2</sub> capture unit confirms high expectations*

**Quebec City, July 13, 2015** – CO<sub>2</sub> Solutions Inc. (TSX-V: CST), the leader in the field of enzyme-enabled carbon capture technology, today provides an update on its demonstration project at Salaberry-de-Valleyfield (“Valleyfield”), near Montreal, Québec.

As announced on May 6, 2015, in light of the excellent results from the January 2015 testing of CO<sub>2</sub> Solutions’ enzyme-enabled carbon capture technology at University of North Dakota’s Energy & Environmental Research Center (EERC), the Company decided it was in a position to bring forward its 10 tonne per day (tpd) demonstration project in order to accelerate commercialization.

Following a normal period of commissioning and personnel training at the Valleyfield demonstration unit, actual CO<sub>2</sub> capture operations with the Company’s proprietary enzyme commenced on June 19, 2015. To date, more than 500 hours of operation have been logged. During this period, the unit has performed in line with design specifications, and confirmed high expectations in terms of efficiency, no degradation of enzyme performance, no solvent makeup and no waste products generated.

“We are very pleased with the way our demonstration unit is operating”, commented Dr. Louis Fradette, CO<sub>2</sub> Solutions’ Chief Technology Officer. “Following a standard start-up period used to optimize system performance, we easily passed the 500-hour mark capturing CO<sub>2</sub> at design capacity. We believe this performance confirms the potential of the technology for low-cost, environmentally friendly application at larger scale.”

The facility has been configured for autonomous operation, meaning the unit has been adapted to produce its own heat and flue gas from a natural gas-fired boiler. CO<sub>2</sub> is captured from the flue gas, and subsequently stripped from the solvent using hot water generated by the boiler. The flue gas produced by the boiler is the same as produced by a once-through steam generator (OTSG) employed in oil sands and heavy oil extraction, ensuring test data will be relevant for application in that industry sector.

The Company anticipates that the initial scheduled 1000 hours of pilot testing will be completed by the end of July 2015. CO<sub>2</sub> Solutions has decided that it is preferable not to incur the added expense and time required to relocate the demonstration unit to Saskatchewan for completion of the total scheduled 2,500 hours of testing, as originally planned, and Husky Energy has agreed to this change. This was made possible as conditions at the Valleyfield operation mirror those that would be found at Husky’s Pikes Peak South heavy oil site in Saskatchewan.

CO<sub>2</sub> Solutions will issue a more detailed mid-way testing update later this summer, and a final report this fall. In addition, a significant number of potential customers and strategic partners from Canada, the United States and Asia have either already visited or have planned their visit to the Valleyfield demonstration unit in the coming weeks.

“We are very encouraged by the performance of the technology and the demonstration unit to date, and by the interest it is attracting from large industrial emitters seeking a cost-effective and environmentally friendly CO<sub>2</sub> capture solution,” stated Evan Price, President and CEO of CO<sub>2</sub> Solutions.

### **About CO<sub>2</sub> Solutions Inc.**

CO<sub>2</sub> 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. CO<sub>2</sub> Solutions’ technology lowers the cost barrier to Carbon Capture, Sequestration and Utilization (CCSU), positioning it as a viable CO<sub>2</sub> mitigation tool, as well as enabling industry to derive

profitable new products from these emissions. CO<sub>2</sub> 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](http://www.co2solutions.com).

#### **CO<sub>2</sub> Solutions Forward-looking Statements**

Certain statements in this news release may be forward-looking. These statements relate to future events or CO<sub>2</sub> 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 operation described herein. CO<sub>2</sub> 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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