Feasibility of CO_2 Storage in a Saline Aquifer

Project Leader:
Consortium led by Petroleum Technology Research Centre

Project Title:
Aquistore Project

Location:
Saskatchewan

Project Description

The five-year Aquistore Project, running from July 2008 to July 2013, will investigate the feasibility of storing CO_2 in a saline aquifer. The project is a joint collaborative research venture between governments and industry that will capture 500 tonnes/day of CO_2 from the Consumers' Co-operative Refineries Limited's refinery in Regina, Saskatchewan. This CO_2 will be transported and injected below the surface to a suitable deep saline aquifer reservoir. Storage will be monitored, measured and verified through various innovative, new technologies for several years. Extensive Measurement, Monitoring and Verification (MMV) will study and ascertain the feasibility of long-term storage as a GHG mitigation strategy. Funding of $5 million (CDN) has been committed to the Aquistore.

Expected Outcomes

The knowledge developed from this demonstration project will be applicable throughout the Western Canadian Sedimentary Basin and across the globe.

Profile of Proponent and Partners

The Petroleum Technology Research Centre (PTRC) is a not-for-profit research and development organization with offices and laboratories in Regina, Saskatchewan. PTRC was founded in 1998 with support from Natural Resources Canada, Saskatchewan Industry and Resources, Saskatchewan Research Council and the University of Regina, as well as the western Canadian oil and gas industry. PTRC is currently managing the Weyburn-Midale CO_2 project, the JIVE project, the EOR Research Program, the Aquistore Project and other programs. Other partners in this project include the Saskatchewan Ministry of the Environment (Go Green Fund), Consumers' Co-operative Refineries Limited, SaskEnergy, Schlumberger and Enbridge.

Project Leader Web Site

www.ptrc.ca

Aussi disponible en français sous le titre :
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