

Southeast Regional Carbon Sequestration Partnership (SECARB)

A Southern States Energy Board Carbon Management Program

August 22, 2012



CO₂ Injection Begins at SECARB Anthropogenic Test

The Southern States Energy Board and SECARB Partners are proud to report that CO₂ injection is underway at the Anthropogenic Test site in Southwest Alabama. This accomplishment marks another significant milestone for the team as it establishes the world's first fully integrated project involving CO₂ capture of anthropogenic (man-made) CO₂ from a coal-fired power plant, transportation via a dedicated pipeline, and geologic storage. Injection operations began on Monday morning, August 20, 2012. According to a [Techline](#) issued by the U.S. Department of Energy earlier today, the project "will help demonstrate the feasibility of carbon capture, utilization and storage (CCUS), considered by most energy experts as an important option for meeting the challenge of helping to reduce atmospheric CO₂ emissions linked to potential climate change." CO₂-enhanced oil recovery (CO₂-EOR) is a primary business driver for commercial CCUS deployment. An integrated system like the Anthropogenic Test is representative of the technical and business arrangements necessary for CO₂-EOR operations utilizing anthropogenic CO₂ sources.



In June 2011, Alabama Power, a subsidiary of Southern Company, completed construction and began operating a 25 MW capture facility at its James E. Barry Electric Generating Plant in Bucks, Alabama. Plant Barry now supplies the project with an anthropogenic, or man-made, source of CO₂. From the capture unit, Denbury Onshore LLC assumes ownership of the CO₂ and transports it via a dedicated pipeline to the Citronelle oilfield, located approximately 12 miles from the plant gate in Citronelle, Alabama, where it is injected into the 9,400'-deep saline Paluxy Formation. The SECARB team will apply extensive monitoring, verification, and accounting technologies to track the CO₂ in the subsurface during and post-injection.

The Southern States Energy Board staff expresses its sincere appreciation to those who made this project possible, including, but certainly not limited to, the U.S. Department of Energy and National Energy Technology Laboratory, Electric Power Research Institute, Southern Company and Alabama Power, Denbury Resources, Inc., Advanced Resources International, Inc., Southern Natural Gas, Cardno ENTRIX, the City of Citronelle, Alabama, Alabama State Representative Randy Davis, Alabama Department of Environmental Management, U.S. Environmental Protection Agency Region 4, and many expert field service providers.

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To keep up with the current

About Us

The Southern States Energy Board (SSEB) is an interstate compact comprised of governors and state legislators from sixteen southern states



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Questions

If you have any questions, please contact:

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state regulators from sixteen southern states, Puerto Rico and the U.S. Virgin Islands. SSEB's mission is to enhance economic development and the quality of life in the South through innovations in energy and environmental policies, programs, and technologies.



SECARB is a regional network of more than 100 stakeholders with a common goal of determining the best approaches for capturing and permanently storing gases that can contribute to global climate change.

The **SECARB-Ed** partnership facilitates the transfer of knowledge and technologies required for site development, operations, and monitoring of commercial CCS projects through a regional technology transfer platform for CO2 sequestration related technologies.

SECARB and SECARB-Ed are funded by the U.S. Department of Energy/National Energy Technology Laboratory with cost-sharing by SECARB/SSEB partners.

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