



Final Environmental Assessment - Industrial Carbon Capture and Sequestration (Iccs) Area 1 Project - Co2 Capture from Biofuels Production and Sequestration Into the Mt. Simon Sandstone - Archer Daniels Midland Company, Decatur Illinois

By National Energy Technology Laboratory

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 164 pages. Dimensions: 11.0in. x 8.5in. x 0.4in. DOE prepared this EA to evaluate the potential environmental consequences of providing a financial assistance grant under the American Recovery and Reinvestment Act of 2009 (ARRA) in a cooperative agreement with Archer Daniels Midland Company (ADM). If ADM received the funding, the company would demonstrate an integrated system of carbon dioxide (CO₂) capture in an industrial setting and geologic sequestration in a sandstone reservoir. The CO₂ that would be sequestered is currently a by-product of ADMs Decatur fuel-grade ethanol production facility. ADM would capture approximately one million short tons of CO₂ per year using dehydration and compression. The compressed CO₂ would be piped approximately one mile to an injection well and sequestered in the Mount (Mt.) Simon Sandstone Formation, a saline reservoir. The project team members include ADM, the Illinois State Geological Survey, Schlumberger Carbon Services, and Richland Community College. DOE's proposed action would provide approximately 141.4 million in financial assistance in a cost-sharing arrangement to ADM. The cost of the proposed project would be approximately 207.9 million. This EA evaluates the environmental resource areas DOE commonly addresses...



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Reviews

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