

SOLUTION MINING RESEARCH INSTITUTE

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MEETING
PAPER



STATUS OF McINTOSH ALABAMA
110 MW
CAES PROJECT

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to

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STATUS REPORT

FIRST USA SALT-DOME CAES PROJECT

The following abstract, introduction, and summary are adapted from a report being prepared for EPRI (Electric Power Research Institute). Also attached are a few illustrations from the report. The full report is expected to contain about 200 pages and be available in July, 1989.

ABSTRACT

The first CAES plant in the United States is under construction in McIntosh, Alabama. EPRI has cofunded research with, and provided technical assistance to, the owner, Alabama Electric Cooperative, in support of research objectives. Two test holes were drilled into the salt dome to determine if conditions were suitable for cavern construction. Procedures for defining the dome's perimeter and the quality of the salt were established and tested. A multiple use plan evolved, combining objectives of exploration, construction monitoring, cavern debrining, and cavern operation monitoring into a test-hole program. The cavern well has been drilled and cavern dissolution commenced.

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