

FY98-XXIX-81
D. F. SCHMIDT'S REAR-DUMPING DRAGLINE BUCKET

CONTRACTOR: Dakota Coal Company

PRINCIPAL INVESTIGATOR: Dean Bray
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PARTICIPANTS

<u>Sponsor</u>	<u>Cost Share</u>
Dakota Coal Company	\$1,128,000
ND Industrial Commission	\$ <u>250,000</u>
Total Project Cost	\$1,378,000

Project Schedule – 18 Months

Contract Date – 4/6/98
Start Date – 10/1/98
Completion Date – 10/31/99

Project Deliverables

Status Report – 1/1/99
Status Report – 4/1/99
Final Report – 10/31/99

OBJECTIVE / STATEMENT OF WORK

The objective of this project is to demonstrate the technical and commercial viability of the rear-dumping dragline bucket. The project involves the design, construction and operation of a prototype 60-80 cubic yard rear-dumping dragline bucket. Goals for the rear-dumping bucket are a 10-15% increase in dumping radius, an improved cycle time and productivity, a 5% increase in dumping height, power savings, and improved efficiency as compared to front-dumping bucket. This project is contingent on successful operation of a 21-cubic-yard rear-dumping bucket.

STATUS

This application was withdrawn.