

**LRC-III-16
UTILIZATION OF THE CARBONDRIY COAL DRYING
PROCESS FOR NORTH DAKOTA LIGNITE**

CONTRACTOR: Carbontec Corporation

PRINCIPAL INVESTIGATOR: John Simmons
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PARTICIPANTS

<u>Sponsor</u>	<u>Cost Share</u>
Carbontec Corporation	\$10,000
ND Industrial Commission	<u>10,000</u>
Total	\$20,000

Project Schedule – 6 Months
Contract Date – 10/10/89
Start Date – 10/10/89
Completion Date – 3/90

Project Deliverables
Status Reports
Final Report – 3/20/90 ✓

OBJECTIVE / STATEMENT OF WORK

The objective of this program was to study certain basic operating parameters that would produce dried lignite coal with a minimum energy content of 10,000 Btu/lb.

STATUS

Run-of-mine North Dakota lignite containing 42-40% moisture and 6,000-6,300 Btu/lb. was upgraded to a dried coal product containing 9.5-5.6% moisture and 10,100-11,600 Btu/lb. The information obtained in this program added to the base of information necessary for a successful test program for North Dakota lignite in Carbontec's continuous pilot plant.