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

CONTRACTOR: Carbontec Corporation

PRINCIPAL INVESTIGATOR: John Simmons (701) 224-9989

PARTICIPANTS

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Cost Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbontec Corporation</td>
<td>$10,000</td>
</tr>
<tr>
<td>ND Industrial Commission</td>
<td>$10,000</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$20,000</strong></td>
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</tbody>
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**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.