

**LRC-I-5
DEVELOPMENT OF EUROPEAN MARKETS
AND SOURCES FOR LIGNITE TECHNOLOGY**

Phase I

CONTRACTOR: University of North Dakota School of Engineering and
Mines Foundation

PRINCIPAL INVESTIGATOR: Don Mathsen
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PARTICIPANTS

<u>Sponsor</u>	<u>Cost Share</u>
University of North Dakota	\$ 4,444
Grand Forks Region Economic Development Corporation	1,111
Northern States Power	2,222
ND Industrial Commission	<u>5,000</u>
Total	\$12,777

Project Schedule – 1 Year

Contract Date – 7/27/88
Start Date – 3/21/88
Completion Date – 4/13/89

Project Deliverables

Progress Report
Final Report – 4/13/89 ✓

OBJECTIVE / STATEMENT OF WORK

LRC-I-5 is Phase I of a two-phase program. Phase II was funded under LRC-II-12. The overall objective of this two-phase project was to establish successful business ventures and additional research programs, either new or expanded, resulting from cooperative European-North Dakota technology transfer supporting the utilization of lignite and associated wastes and byproducts.

Principal objectives were:

- identify potential European markets for North Dakota lignite technology,
- identify European technology for use with North Dakota lignite,
- facilitate meeting between North Dakota and European groups,
- assist in contract negotiation between North Dakota and European groups.

The method to accomplish these objectives was to send a delegation to Europe to visit representatives of government and industry.

STATUS

A delegation consisting of representatives of the lignite and universities of North Dakota visited Europe in May of 1988. The group visited industry, university, government and development groups in the State of North Rhein/Westphalia of the Federal Republic of Germany. This area was selected because of the long-term efforts of state, industry, research and university institutions to develop the brown coals of the Rhein-Rhur Valleys in this region.

The delegation met with four industry groups, four university and research institutions, and three local development groups. Seventeen separate follow-up activities were identified by the group. Improved promotional materials, focused meeting purpose, and training for the delegations were noted as areas which could yield higher prospects for successful technology transfer.