

PACKAGE ID - 000582IBMPC00 COAL LOGISTICS

KWIC TITLE - Tracking U.S. Coal Exports

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LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

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DESCRIPTION - COAL LOGISTICS has the capability to track coal from a U. S. mine or mining area to a foreign consumer's receiving dock. The system contains substantial quantities of information about the types of coal available in different U. S. coalfields, present and potential inland transportation routes to tidewater piers, and shipping routes to and port capabilities in Italy, Japan, South Korea, Taiwan, and Thailand. It is designed to facilitate comparisons of coal quality and price at several stages of the export process, including delivered prices at a wide range of destinations. COAL LOGISTICS can be used to examine coal quality within or between any of 18 U. S. coalfields, including three in Alaska, or to compare alternative routes and associated service prices between coal-producing regions and ports-of-exit. It may be used to explore the possibilities of different ship sizes, marine routes, and foreign receiving terminals for coal exports. The system contains three types of information: records of coal quality, domestic coal transportation options, and descriptions of marine shipment routes. COAL LOGISTICS contains over 3100 proximate analyses of U. S. steam coals, usually supplemented by data for ash softening temperature and Hardgrove grindability; over 1100 proximate analyses for coals with metallurgical potential, usually including free swelling index values; 87 domestic coal transportation options: rail, barge, truck, and multi-mode routes that connect 18 coal regions with 15 U. S. ports and two Canadian terminals; and data on 22 Italian receiving ports for thermal and metallurgical coal and 24 coal receiving ports along the Asian Pacific Rim. An auxiliary program, CLINDEX, is included which is used to index the database files.

PACKAGE CONTENTS - NESC Note: Software Abstract; Documentation and User's Guide; Media Includes Source Code, Executables, Database Memory Files, Auxiliary Program, Control Information;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 8 5.25 Diskettes

METHOD OF SOLUTION - By selecting a coal type and geographic origin, then choosing appropriate inland or marine transportation routes, the user can obtain estimated delivered prices for one or more U. S. coals at any of the 46 foreign receiving ports. If the

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METHOD OF SOLUTION - (CONT) information in the system is inappropriate, the user can alter the data or substitute other data in any phase of system use. System users can build their own databases and create their own database system, or they may rely entirely on the data provided within the system.

COMPUTER - IBM PC

OPERATING SYSTEMS - DOS

PROGRAMMING LANGUAGES - dBASE III Plus

SOURCE CODE AVAILABLE (Y/N) - Y

RELATED SOFTWARE - COAL LOGISTICS is an updated and expanded version of the US-Italian Coal Logistics System created by Sheladia Associates.

HARDWARE REQS - An IBM PC or compatible computer, color monitor, 640 Kbytes of memory, and a hard disk with 3 Mbytes of free space.

REFERENCES - Documentation and User's Guide, The Coal Logistics System, October 1988; COAL LOGISTICS, NESC No. 9485, COAL LOGISTICS Flexible Disk Cartridge Directories and Implementation Information, National Energy Software Center Note 89-62, June 16, 1989.

ABSTRACT STATUS - Abstract first distributed June 1989. IBM PC version submitted January 1989.

SUBJECT CLASS CODE - M

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
EXPORTS
MARITIME TRANSPORT
QUALITY ASSURANCE
C CODES
COAL
RAIL TRANSPORT
INFORMATION SYSTEMS
ROAD TRANSPORT
DOMESTIC SUPPLIES
ROUTING
PRICES
DATA BASE MANAGEMENT

EDB SUBJECT CATEGORIES -
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SPONSOR - DOE/FE

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