

**PACKAGE ID** - 000751IBMPC01 BEIDMS1.4

**KWIC TITLE** - Bechtel Environmental Integrated Database  
Management System

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**LIMITATION CODE** -COPY                   **AUDIENCE CODE** - LIM

**COMPLETION DATE** - 02/01/1995   **PUBLICATION DATE** - 09/09/1994

**DESCRIPTION** - Bechtel Environmental Integrated Data Management System  
(BEIDMS1.4) is an Oracle based relational database that stores  
data related to all aspects of environmental data collection.

**PACKAGE CONTENTS** - Media Directory; Software Abstract; User's Manual;  
Media Includes Source Code, Executable Modules;

**SOURCE CODE INCLUDED?** - Yes

**MEDIA QUANTITY** - 6 3.5 Diskettes

**METHOD OF SOLUTION** - BEIDMS1.4 is table driven using object-oriented  
programming techniques.

**COMPUTER** - IBM PC

**OPERATING SYSTEMS** - MS-DOS

**PROGRAMMING LANGUAGES** - SQL Forms v3.0 (80%), SQL Report Writer v1.1  
(2%), SQLMenu v5.0 (5%), ProC v1.2 (10%), MS-DOS (3%)

**SOFTWARE LIMITATIONS** - Programs only run against an ORACLE7 database.

**SOURCE CODE AVAILABLE (Y/N)** - Y

**UNIQUE FEATURES** - BEIDMS1.4 is a comprehensive data management tool  
which integrates all aspects of environmental data collection from  
sample event planning through sample collection to data usage in  
the preparation of reports and to support project decisions. By  
virtue of its comprehensiveness, BEIDMS1.4 has a broad application  
on all typical environmental projects.

**RELATED SOFTWARE** - The BEIDMS1.4 Main Menu calls the Environmental  
Methods Monitoring Index (EMMI). EMMI is a software package  
produced by the Environmental Protection Agency (EPA).

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**OTHER PROG/OPER SYS INFO** - In the BEIDMS1.4 source code, file extensions are as follows: .BAT MS-DOS command file, .DMM executable for an Oracle SQL\*Menu program, .INP source code for an Oracle\*Forms program, .FRM executable for an Oracle SQL\*Forms program, .REX dump file for an Oracle SQL\*ReportWriter program, .REP executable for an Oracle SQL\*ReportWriter program, .SQL Oracle SQL\*Plus report or script, .PC source code for an Oracle Pro\*C program, .H header file for a C program, .C source code for a C program.

**HARDWARE REQS** - To run BEIDMS1.4 requires an IBM PC with at least 8MG of RAM. The BEIDMS1.4 database requires at least 40MG of disk space.

**TIME REQUIREMENTS** - Loading an electronic data file that contains analytical results records takes about 1 minute per 200 analytical result records. As database size increases timing requirements will also increase.

**REFERENCES** - Deborah A. Goodwin, James C Wallace, and Russell B. Barber, Bechtel Environmental Integrated Data Management System (Version 1.4), Systems Operations Manual (Revision 1), February, 1995.

**ABSTRACT STATUS** - BEIDMS1.3 submitted October 20, 1994. Released AS-IS October 28, 1994. Eighty percent of this package is Oracle\*SQL forms. ESTSC does not have access to Oracle. All package components appear to be present. Version 1.4 submitted 4/13/95. Released AS-IS 4/17/95 due to ESTSC not having access to ORACLE\*SQL forms.

**SUBJECT CLASS CODE** - RM

**KEYWORDS** -  
COMPUTER PROGRAM DOCUMENTATION  
B CODES  
DATA BASE MANAGEMENT  
ENVIRONMENTAL IMPACTS

**EDB SUBJECT CATEGORIES** -  
990200 990301

**SPONSOR** - DOE/RW

**PACKAGE TYPE** - AS - IS