

**PACKAGE ID** - 001104IBMPC00 MMEDE

**KWIC TITLE** - Multimedia-Modeling Environmental Database  
Editor

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

**COMPLETION DATE** - 05/09/1996   **PUBLICATION DATE** - 01/01/1994

**DESCRIPTION** - MMEDE is a software tool designed by Battelle, PNL to support the maintenance of an environmental risk computation database.

**PACKAGE CONTENTS** - Media Directory; Software Abstract; User's Manual; Media Includes User's Guide, Executable Module;

**SOURCE CODE INCLUDED?** - No

**MEDIA QUANTITY** - 1 3.5 Diskette

**METHOD OF SOLUTION** - The database contains selected values for up to 42 key constituent parameters for over 550 contaminants that can be used to estimate environmental concentrations, doses, and health impacts. The database contains information for organic, inorganic, radioactive, carcinogenic, and non-carcinogenic constituents.

**COMPUTER** - IBM PC

**OPERATING SYSTEMS** - Microsoft Dos

**PROGRAMMING LANGUAGES** - Microsoft Fortran

**SOFTWARE LIMITATIONS** - The user is cautioned that the appropriate value of a parameter is often different for different applications. The values distributed with this database are defined for use in a specific environmental analysis and sometimes represent conservative extremes.

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

**UNIQUE FEATURES** - MMEDE gives the user the ability to update the constituent parameter values in the database. Values can be modified as well as adding new constituents and deleting old ones. Included are algorithms for estimating physical, chemical, and environmental factors as well as tables of radiation dose factors for decay chains. References are kept for every value in the database.

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**UNIQUE FEATURES - (CONT)**

**HARDWARE REQS** - IBM PC or compatible, 286 processor or above  
(recommended 386 processor), Microsoft Windows 3.1 or above, and  
2.6 MB of disk space.

**REFERENCES** - B.R. Warren and D.L. Strenge, Multimedia-Modeling  
Environmental Database Editor (MMEDE) User Manual, 1994.

**ABSTRACT STATUS** - Submitted 7/12/96. Released screened 10/8/96

**SUBJECT CLASS CODE** - R

**KEYWORDS -**

COMPUTER PROGRAM DOCUMENTATION  
M CODES  
RISK ASSESSMENT  
MANUALS  
DATA BASE MANAGEMENT  
HEALTH HAZARDS  
ENVIRONMENTAL IMPACTS  
RADIOECOLOGICAL CONCENTRATION  
PERSONAL COMPUTERS  
COMPUTER GRAPHICS  
INFORMATION SYSTEMS  
DOSIMETRY  
RADIATION PROTECTION

**EDB SUBJECT CATEGORIES -**

990200 540120 540130 540330 540230 540320 560101

**SPONSOR** - DOE/DP

**PACKAGE TYPE** - SCREENED