

**PACKAGE ID** - 000612IBMPC00 CAN

**KWIC TITLE** - Canister Model, Systems Analysis

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

**COMPLETION DATE** - 07/01/1993   **PUBLICATION DATE** - 08/01/1993

**DESCRIPTION** - This packges provides a computer simulation of a systems model for packaging nuclear waste and spent nuclear fuel in canisters. The canister model calculates overall programmatic cost, number of canisters, and fuel and waste inventories for the Idaho Chemical Processing Plant (other initial conditions can be entered).

**PACKAGE CONTENTS** - Media Directory; Software Abstract; WINCO-1145;  
Media Includes Executables;

**SOURCE CODE INCLUDED?** - No

**MEDIA QUANTITY** - 1 3.5 Diskette

**METHOD OF SOLUTION** - The model is solved using Euler's method.

**COMPUTER** - IBM PC

**OPERATING SYSTEMS** - Windows 3.1

**PROGRAMMING LANGUAGES** - C++ (80%) C (20%)

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

**UNIQUE FEATURES** - This simulation incorporates both tangible (canister material cost) and intangible (budget pressure) in the model results. Trends that surface while using the model are of greater importance than actual numbers.

**OTHER PROG/OPER SYS INFO** - DOES NOT CONTAIN SOURCE CODE

**HARDWARE REQS** - Requires 2 MB of disk and 2 MB RAM beyond minimum Windows RAM.

**TIME REQUIREMENTS** - 5 minutes

**REFERENCES** - K.D. Pincock and R.D. Hamelin, Canister Model User's Manual, WINC0-1145, August 1993.

**ABSTRACT STATUS** - Submitted October 4, 1993. Released AS-IS October 12, 1993.

**SUBJECT CLASS CODE** - DT

**KEYWORDS** -

COMPUTER PROGRAM DOCUMENTATION  
C CODES  
COMPUTERIZED SIMULATION  
RADIOACTIVE WASTE PROCESSING  
SPENT FUEL CASKS  
RADIOACTIVE WASTE STORAGE  
PACKAGING

**EDB SUBJECT CATEGORIES** -

990200 052001 420204

**SPONSOR** - DOE/EM

**PACKAGE TYPE** - AS - IS