

September 13, 2002

Joseph D. Ziegler, Acting Assistant Manager
Office of Licensing and Regulatory Compliance
U.S. Department of Energy
Yucca Mountain Site Characterization Office
P.O. Box 364629
North Las Vegas, NV 89036-8629

SUBJECT: THE U.S. NUCLEAR REGULATORY COMMISSION TOTAL-SYSTEM
PERFORMANCE ASSESSMENT VERSION 4.1J CODE AND USER'S
GUIDE

Dear Mr. Ziegler:

Per your request, I have enclosed a copy of the U.S. Nuclear Regulatory Commission (NRC) performance assessment code for the potential high-level radioactive waste repository located at Yucca Mountain, Nevada, and the corresponding user's guide. The enclosure includes the: (1) Total-system Performance Assessment (TPA) Version 4.1j Code and (2) TPA Version 4.0 Module Descriptions and User's Guide. These represent the most current versions of the code and user's guide that are publicly available. The changes from version 4.0 to version 4.1j of the TPA code are relatively minor, and the TPA Version 4.0 Module Descriptions and User's Guide includes the important features of the latest version of the program. Development and improvements to the models and parameters contained within TPA Version 4.1 continue, therefore, specific modeling approaches and parameter values could change.

The TPA code and the supporting documentation were developed for use by the NRC staff and its contractor; therefore, the code is provided to you with no guarantee that it will operate on your computer system and without any commitment to support your use of the software. The user's guide was developed for internal use and has not received the level of review given to NUREG reports.

If you have any questions concerning this letter or the enclosures, please contact Christopher Grossman, of my staff, at (301) 415-7658.

Sincerely,

/RA by Scott Flanders Acting For/

Cheryl Trottier, Chief
Environmental and Performance Assessment Branch
Division of Waste Management
Office of Nuclear Material Safety
and Safeguards

Enclosure: As Stated

cc: See attached distribution list

Letter to Joseph D. Ziegler from Cheryl Trottier dated September 13, 2002

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