



Department of Energy
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QA: N/A

APR 13 2001

OVERNIGHT MAIL

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**TRANSMITTAL OF ANALYSIS AND MODEL REPORT (AMR) AND UPDATE OF
OTHER ITEMS ADDRESSING KEY TECHNICAL ISSUE (KTI) EXCHANGES**

This letter transmits one document related to KTI agreement items and updates three other agreement item activities.

Enclosure 1 transmits the *Features, Events, and Processes in UZ Flow and Transport* AMR, ANL-NBS-MD-000001, Revision 01, on compact disc. Enclosure 2 is the hard copy of this AMR. This is the last of the updated Features, Events and Processes AMRs and completes the following agreement items: Radionuclide Transport 2.11 and 4.2; Evolution of the Near Field Environment (ENFE) 1.1, 2.1, 4.7, and 5.2; Container Life and Source Term 5.2; and Thermal Effects on Flow (TEF) 1.1.

We have completed modifications to our network so that the U.S. Nuclear Regulatory Commission (NRC) and others can now reliably access data via the Yucca Mountain Site Characterization Project (YMP) web site www.ymp.gov. On the left frame of the home page is a navigation link labeled, "Technical Library," providing access to the Technical Library page. One of the menu selections on the Technical Library page is Project databases-indices. Clicking on this selection opens the YMP databases-indices page with a link to the Automated Technical Data Tracking System (ATDT). The ATDT link connects to a proxy network server, which allows access to data sets independent of the secured project network. Using this page is self-explanatory and gives the NRC access to data as requested in ENFE agreement item 1.7.

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Agreement item 3.2 of the Unsaturated and Saturated Flow Under Isothermal Conditions (USFIC) KTI meeting held in Berkeley, California, August 16-17, 2000, was to arrange an interaction with the NRC to present the results of Present Day Shallow Infiltration evaluations. The target date for setting up this interaction was April 1, 2001. In the subsequent USFIC KTI meeting held in Albuquerque, New Mexico, October 31-November 2, 2000, agreements 3.1 and 3.2 were made which supercede the subissue 3 (Present Day Shallow Infiltration) agreements made in August. Therefore, the USFIC subissue 3 agreements made in August are no longer applicable, as documented in the Summary Highlights of the USFIC October-November meeting.

TEF agreement item 2.10 was to discuss the full variability/uncertainty in the results of the TEF simulations in the abstraction of thermodynamic variables to other models in the Total System Performance Assessment Integration (TSPAI) Technical Exchange which was then tentatively scheduled for April 2001. The meeting has been scheduled for June 25-29, 2001, in Las Vegas, Nevada; therefore, TEF agreement item 2.10 will be completed at that time.

Please direct any questions concerning this letter and its enclosures to Timothy C. Gunter at (702) 794-1343.



Stephan Brocoum
Assistant Manager, Office of
Licensing and Regulatory Compliance

OL&RC:TCG-1070

Enclosures:

1. CD for ANL-NBS-MD-000001, Revision 01,
Features, Events, and Processes in UZ Flow
and Transport
2. Hard copy of Enclosure 1

cc w/encl 1:

- J. W. Anderson, NRC, Rockville, MD
- K. C. Chang, NRC, Rockville, MD
- D. J. Brooks, NRC, Rockville, MD
- J. W. Bradbury, NRC, Rockville, MD
- C. J. Glenn, NRC, Las Vegas, NV
- S. H. Hanauer, DOE/HQ (RW-2) Las Vegas, NV

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cc w/encl 1: (continued)

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cc w/o encls:

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