



**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
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QA: N/A

MAR 22 2001

**OVERNIGHT MAIL**

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**TRANSMITTAL OF FEATURES, EVENTS, AND PROCESSES (FEP) ANALYSIS MODEL  
REPORTS (AMR), AND DATABASE ADDRESSING KEY TECHNICAL ISSUES (KTI)  
TECHNICAL EXCHANGES**


Reference: Ltr, Brocoum to Reamer, dtd 3/2/01

The referenced letter lists agreement items due to the U.S. Nuclear Regulatory Commission, but not yet available for delivery. This letter transmits two of those items. The first item is "Engineered Barrier System Features, Events, and Processes," ANL-WIS-PA-000002, Revision 01 (enclosure 1). This item partially satisfies agreement items for Container Life and Source Term (CLST) (Item 5.2), Radionuclide Transport (RT) (Items 2.11 and 4.2), and Evolution of Near-Field Environment (ENFE) (Items 1.1, 2.1, 4.7, and 5.2). The second item is the FEPs Database, TDR-WIS-MD-000003, Revision 00, ICN 01, titled, "The Development of Information Catalogued in Revision 00 of the Yucca Mountain Site Characterization Project (YMP) FEP Database" (enclosure 2). The FEPs Database contains the database and two documents "An Introduction to the YMP FEP Database" and a "FEPs Database User's Guide." The FEPs Database satisfies all or portions of agreement items for CLST (Item 5.2), RT (Item 4.2), and Thermal Effects on Flow (Items 1.2, 2.2, 4.8, and 5.2).

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Enclosure 1 also includes an update of "Evaluation of Applicability of Biosphere-Related Features, Events and Processes," ANL-MGR-MD-000011, Revision 01, previously transmitted by the reference letter.

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



Stephan Brocoum  
Assistant Manager, Office of  
Licensing and Regulatory Compliance

OL&RC:TCG-0898

Enclosures:

1. CD titled, "Biosphere and EBS FEPs AMRs Mid-March" Containing:
  - Evaluation of Applicability of Biosphere-Related FEPs
  - Engineered Barrier System FEPs
2. CD titled, "FEPS V00 Program and Data File Containing:
  - STN: 10418-00-00
  - SMN: 10418-PC-00-00
3. Hard Copy of Items in Enclosures 1 and 2

cc w/encls 1 and 2:

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