



Department of Energy
Office of Civilian Radioactive Waste Management
Office of Repository Development
1551 Hillshire Drive
Las Vegas, NV 89134-6321

QA: N/A
Project No. WM-00011

AUG 31 2004

OVERNIGHT MAIL

ATTN: Document Control Desk
Director, Division of High-Level Waste
Repository Safety
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

RESPONSE TO ADDRESS KEY TECHNICAL ISSUE (KTI) AGREEMENTS TOTAL SYSTEM PERFORMANCE ASSESSMENT AND INTEGRATION (TSPA) 1.02, 3.37, 3.38 ADDITIONAL INFORMATION NEED (AIN)-1, 3.39 AIN-1, 3.41 AIN-1, 4.01 AIN-1, 4.03, 4.04, 4.06 AND GENERAL AGREEMENT (GEN) 1.01 (COMMENTS 78, 96, AND 111)

This letter transmits responses to KTI Agreements TSPA 1.02, 3.37, 3.38 AIN-1, 3.39 AIN-1, 3.41 AIN-1, 4.01 AIN-1, 4.03, 4.04, 4.06 and GEN 1.01 (Comments 78, 96, and 111) (enclosures 1-5). Enclosure 6 is a compact disk (CD) of the five enclosures. The CD contains a pdf file with 347 KB, dated August 26, 2004, and can be made publicly available.

These agreements relate to barrier capability and various aspects of the TSPA models, including model stability, model and parameter uncertainty, and model confidence. The U.S. Department of Energy considers the agreements to be fully addressed, and pending review by the U.S. Nuclear Regulatory Commission, they should be closed.

There are no new regulatory commitments in the body or the enclosures to this letter. If you have any questions, please contact Timothy C. Gunter at (702) 794-1343 or e-mail timothy_gunter@ymp.gov, or Mark C. Tynan at (702)794-5457 or e-mail mark_tynan@ymp.gov.

OLA&S:TCG-1712

Joseph D. Ziegler, Director
Office of License Application and Strategy

Enclosures:

1. Response to Address Key Technical Issue (KTI) Agreement Total System Performance Assessment and Integration (Response to TSPA 1.02), Revision 1

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Enclosures: (continued)

2. Response to Address Key Technical Issue (KTI) Agreement Total System Performance Assessment and Integration (Response to TSPAI 3.37), Revision 1
3. Response to Address Key Technical Issue (KTI) Agreements Total System Performance Assessment and Integration (TSPAI) 3.38 AIN-1, 3.39 AIN-1, 3.41 AIN-1, 4.01 AIN-1 and GEN 1.01 (Comments 78 and 96), Revision 1
4. Response to Address Key Technical Issue (KTI) Agreements Total System Performance Assessment and Integration (TSPAI 4.03, 4.04, and GEN 1.01 (Comment 111)), Revision 1
5. Response to Address Key Technical Issue (KTI) Agreement Total System Performance Assessment and Integration (Response to TSPAI 4.06), Revision 1
6. CD of Enclosures 1-5

AUG 31 2004

cc w/encls 1-6:

B. J. Garrick, ACNW, Rockville, MD
W. C. Patrick, CNWRA, San Antonio, TX
W. D. Barnard, NWTRB, Arlington, VA

cc w/encl 6:

D. D. Chamberlain, NRC, Arlington, TX
G. P. Hatchett, NRC, Rockville, MD
R. M. Latta, NRC, Las Vegas, NV
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Pat Guinan, State of Nevada, Carson City, NV
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Linda Mathias, Mineral County, Hawthorne, NV
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Mike Simon, White Pine County, Ely, NV
R. I. Holden, National Congress of American Indians, Washington, DC

cc w/o encls:

M. G. Bailey, NRC, Rockville, MD
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