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QA: N/A

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OVERNIGHT MAIL

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**TRANSMITTAL OF REPORT ADDRESSING KEY TECHNICAL ISSUE (KTI)
AGREEMENTS FOR TOTAL SYSTEM PERFORMANCE ASSESSMENT AND
INTEGRATION (TSPAI) 3.38, 3.39, 3.40, 3.41, 4.01, AND GEN 1.01**

This letter transmits one hard copy (enclosure 1) and a CD (enclosure 2) of TDR-WIS-PA-000008, Revision 00, ICN 01, *Guidelines for Developing and Documenting Alternative Conceptual Models, Model Abstractions and Parameter Uncertainty in the Total System Performance Assessment for the License Application* (Guidelines). This document addresses KTI Agreements TSPAI 3.38, 3.39, 3.40, 3.41 and 4.01. Enclosure 3 to this letter provides a cross-reference to the sections of the Guidelines that address each of these KTI Agreements.

The Guidelines address the approach for consistent treatment of alternative conceptual models, model abstractions, and parameter uncertainty that are to be used in development of the TSPA model. The Guidelines provide a supplemental level of detail that is useful for implementation of procedure AP-SIII.10Q, *Models*, which governs the preparation of model reports, including model abstractions. The treatment of uncertainty for the process model level is addressed in AP-SIII.10Q in the context of model validation and will be documented in the Analysis and Model Reports (AMR). These areas address KTI Agreements TSPA 3.38, 3.40, and 4.01.

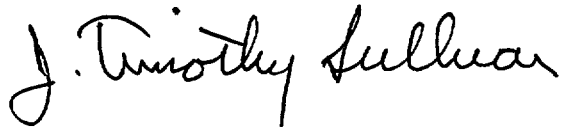
KTI Agreements TSPAI 3.39, 3.41 and 4.01 address implementation of the Guidelines in AMRs and TSPA documentation. As discussed at the April 15-16, 2002, U.S. Nuclear Regulatory Commission (NRC)/U.S. Department of Energy (DOE) Technical Exchange and Management Meeting on KTI Agreements, DOE recommends that the NRC give consideration to closing these agreements based on DOE's approach. Monitoring and/or reviewing DOE's implementation of the approach could occur through periodic meetings, site visits, and NRC review of AMRs as they are revised and made available.

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KTI Agreement GEN 1.01 items 56, 78, 96 and 120 are related agreements associated with alternative conceptual models, model abstractions, and uncertain parameters. A list of these agreements and a cross-reference to the applicable section in the Guidelines that addresses the agreement is provided in Enclosure 3. Although the GEN 1.01 agreements are conditional upon site selection of a lower thermal operating mode (LTOM), the approach associated with alternative conceptual models, model abstractions, and uncertain parameters, as specified in the Guidelines, will not be impacted by LTOM. Therefore, the GEN 1.01 related items should also be considered for closure based on the Guidelines.

This letter contains no additional regulatory commitments. Please direct any questions concerning this letter and its enclosures to Timothy C. Gunter at (702) 794-1343 or Mark C. Tynan at (702) 794-5457.


for Joseph D. Ziegler
Acting Assistant Manager, Office of
Licensing and Regulatory Compliance

OL&RC:TCG-1112

Enclosures:

1. Hard Copy of TDR-WIS-PA-000008,
Revision 00, ICN 01, *Guidelines for Developing
and Documenting Alternative Conceptual
Models, Model Abstractions and Parameter
Uncertainty in the Total System Performance
Assessment for the License Application*
2. CD Copy of Enclosure 1
3. List of Applicable KTI Agreements Alternative
Conceptual Models, Model Abstractions, and
Parameter Uncertainty

cc w/encls 2 and 3:

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cc w/encls 2 and 3: (continued)

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