



## Department of Energy

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QA: N/A

JUN 23 2003

OVERNIGHT MAIL

**ATTN: Document Control Desk**  
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### FISCAL YEAR (FY) 2003-2005 KEY TECHNICAL ISSUE (KTI) AGREEMENT ITEM RESPONSE SCHEDULE

References: (1) Ltr, Ziegler to Schlueter, dtd 9/24/02  
(2) Memo, Travers to NRC, dtd 6/5/03

This letter transmits a revised schedule for the U.S. Department of Energy's (DOE) delivery of responses to remaining KTI agreements and "Additional Information Needed" (AIN) (Enclosure 1) to the U.S. Nuclear Regulatory Commission (NRC) for the remainder of Fiscal Year (FY) 2003 and through FY 2005. This schedule supercedes the schedule sent to you in September 2002 (Reference 1). As previously discussed with you and your staff, most of the KTIs and AINs are strategically grouped into subject areas (KTI response groups) that correlate to the relevant parts of the Yucca Mountain Project's postclosure analyses. We intend to address these grouped responses in the context of the overall postclosure analysis. Enclosure 2 provides a correlation of the KTIs with the KTI response groups. The remaining KTIs and AINs, which are not part of a subject area group due to their technical nature, will be addressed individually.

Enclosure 3 is a listing of the remaining KTI agreements and AINs sorted by KTI response group. There are fourteen response groups related to system processes (numbered I through XIV), plus Barrier Capability/Total System Performance Assessment and Integration, Criticality, and Features, Events, and Processes. Enclosure 3 also provides a list of those KTI agreements that are not part of any of these groups. As shown therein, the agreements and AINs associated with a KTI response group are not necessarily all on the same schedule. It is DOE's intent to submit responses, to the extent practicable, as integrated packages. When work on some agreement items will continue beyond the completion of the initial responses in that group, we will provide the documents as they become available.

The grouped and un-grouped KTIs and AINs are scheduled for submittal throughout FY 2003-2005 based on the availability of supporting information and the necessary scientific staff resources. The DOE will address all KTI agreements by the time of license application (LA) submittal by providing information or documentation supporting agreement closure or by

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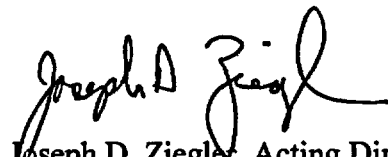
providing specific plans for closure. Prior to LA submittal, DOE will provide the NRC with a proposal for resolution for those few remaining KTI agreements where resolution documentation is scheduled to be available after LA submittal.

In order to better support the NRC's reviews, the attached schedule also considers the KTI risk significance and technical difficulty ratings documented in the NRC staff response to the NRC's Staff Requirements Memorandum (Reference 2). To the extent practical, the FY 2004-2005 KTIs and AINs, identified by NRC as more risk significant, will be prioritized for completion ahead of the others. In some cases, such as KTIs requiring Total System Performance Assessment final results and those already scheduled for FY 2003, the flexibility in schedule prioritization is limited.

Please note that the KTI and AIN submittal schedules may be affected by changes in current plans, schedules, and funding. While we are not currently aware of any impending impacts, we will advise you of any schedule changes.

We will welcome an opportunity to discuss our technical approach to addressing the KTIs and AINs in a public interaction with your staff to be scheduled separately from this correspondence.

The enclosed schedule represents new DOE commitment dates for delivery of the KTIs and AINs. Please direct any questions regarding this letter to Timothy C. Gunter at (702) 794-1343 or April V. Gil at (702) 794-5578.



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

OLA&S:TCG-1362

Enclosures:

1. KTI Schedule Table
2. Correlation of Key Technical Issues with  
Integrated Key Technical Issue Response  
Groups
3. KTI Agreement and AIN Sort by Response  
Group

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cc w/encls:

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**Enclosure 1**  
**Fiscal Year 2003 - 2005 KTI Schedule**

<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
CLST.1.01	IV; V; VI	Dec-03
CLST.1.02	IV; VI	Apr-04
CLST.1.03	VI	May-04
CLST.1.04	V; VI	Aug-05
CLST.1.06.AIN-1	V; VI	Jan-04
CLST.1.07.AIN-1	V; VI	Jan-04
CLST.1.08	VI	Jul-04
CLST.1.09	VI	Jul-04
CLST.1.10	VI	May-04
CLST.1.11	VI	May-04
CLST.1.12	V; VI	Oct-03
CLST.1.13	V; VI	Oct-03
CLST.1.14	V; VI	Oct-03
CLST.1.15	V; VI	Oct-03
CLST.1.16	V; VI	Oct-03
CLST.2.01	IV	Apr-04
CLST.2.02	IV	Apr-04
CLST.2.03.AIN-1	IV	Oct-04
CLST.2.04	VI	Apr-05
CLST.2.05	VI	Apr-05
CLST.2.08	IV	Apr-04
CLST.2.09	IV	Apr-04
CLST.3.02.AIN-1	VII	Jul-04
CLST.3.03.AIN-1	VII	Jul-04
CLST.3.04.AIN-1	VII	Nov-03
CLST.3.05	VII	Jul-04
CLST.3.06.AIN-1	VII	Mar-04
CLST.3.07	VII	Mar-04
CLST.3.08.AIN-1	VII	Mar-04
CLST.3.09.AIN-1	VII	Mar-04
CLST.3.10	XIV	Nov-03
CLST.5.03	CRIT	Jul-04
CLST.5.04	CRIT	Nov-04

Crit = Criticality  
 FEPS = Features, Events, Processes  
 BC/TSPAI = Barrier Capability/Total  
 System Performance Assessment and Integration

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**Fiscal Year 2003 - 2005 KTI Schedule**

<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
CLST.5.04.AIN-1	CRIT	Nov-04
CLST.5.05.AIN-1	CRIT	Jul-04
CLST.6.01	V; VI	Oct-03
CLST.6.02.AIN-1	V; VI	Jul-04
CLST.6.03.AIN-1	V; VI	Jul-04
ENFE.1.03.AIN-1	III	Nov-03
ENFE.1.04	III	Nov-03
ENFE.1.05	III; IV	Nov-03
ENFE.1.06	VI; VII	Sep-03
ENFE.1.07.AIN-1	III	Mar-04
ENFE.2.03	FEP	Apr-04
ENFE.2.04	V	Oct-03
ENFE.2.05	III; V	Nov-03
ENFE.2.06	V	Oct-03
ENFE.2.09	V	Oct-03
ENFE.2.10	III; V	Nov-03
ENFE.2.11	V	Oct-03
ENFE.2.13	V	Oct-03
ENFE.2.14	V; VI	Oct-03
ENFE.2.15	V	Oct-03
ENFE.2.17	V	Oct-03
ENFE.2.18	FEP	Apr-04
ENFE.3.03	VII	Jul-04
ENFE.3.04	VII	Jul-04
ENFE.3.05.AIN-1	VIII	Sep-03
ENFE.4.02	III	Mar-04
ENFE.4.03	VI; VII	Sep-03
ENFE.4.04	VI; VII	Sep-03
ENFE.4.05.AIN-1	VIII	Sep-03
ENFE.4.06	VI; VII	Sep-03
ENFE.4.06.AIN-1	VI; VII	Oct-03
ENFE.5.03	CRIT	Nov-04
ENFE.5.03.AIN-1	CRIT	Nov-04

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<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
GEN.1.01 (Note 1)	Ungrouped	Nov-03
IA.1.02.AIN-1 (Note 2)	XIII	Oct-03
IA.2.03.AIN-1	XIII	Oct-03
IA.2.09.AIN-1	XIII	Oct-03
IA.2.11	XII	Sep-03
IA.2.14	XII	Sep-03
IA.2.15	XII	Sep-03
IA.2.17	XIII	May-04
IA.2.18	XIII	Oct-03
IA.2.19	XIII	Oct-03
IA.2.20	XIII	Oct-03
PRE.3.01	Ungrouped	Oct-03
PRE.3.02	Ungrouped	Jul-03
PRE.6.01.AIN-1	Ungrouped	Jan-04
PRE.7.01	CRIT	Dec-03
PRE.7.02	IV	Dec-03
PRE.7.03	IV	Dec-04
PRE.7.04	IV	Jul-03
PRE.7.05	IV	Dec-04
RDTME.2.01	XIV	Feb-04
RDTME.2.02	XIV	Nov-03
RDTME.2.02.AIN-1	XIV	Nov-03
RDTME.3.02	IV	Jul-04
RDTME.3.03	XIV	Feb-04
RDTME.3.04	IV	Dec-03
RDTME.3.05	IV	Dec-03
RDTME.3.06	IV	Jul-04
RDTME.3.07	III; IV; VI	Oct-04
RDTME.3.08	IV	Jul-04
RDTME.3.09	IV	Jul-04
RDTME.3.10	IV	Jul-04
RDTME.3.11	IV	Jul-04
RDTME.3.12	IV	Jul-04

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<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
RDTME.3.13	IV	Jul-04
RDTME.3.14	IV	Dec-03
RDTME.3.15	IV	Jul-04
RDTME.3.16	IV	Jul-04
RDTME.3.17	Ungrouped	Dec-03
RDTME.3.18	V; VI	Oct-03
RDTME.3.19	IV	Jul-04
RDTME.3.20	Ungrouped	Jul-04
RDTME.3.21	Ungrouped	Jul-04
RT.1.01	X	Mar-04
RT.1.02	X	Mar-04
RT.1.03.AIN-1	VIII	Dec-03
RT.1.04	X	Mar-04
RT.1.05	XI	Sep-03
RT.2.01	XI	Sep-03
RT.2.02	XI	Sep-03
RT.2.03.AIN-1	XI	Sep-03
RT.2.06	XI	Sep-03
RT.2.07	XI	Sep-03
RT.2.08	XI	Sep-03
RT.2.08	XI	Sep-03
RT.2.09.AIN-1	XI	Sep-03
RT.2.10	XI	Sep-03
RT.3.01	X	Mar-04
RT.3.02	X	Mar-04
RT.3.03	XI	Sep-03
RT.3.04	X	Mar-04
RT.3.05	X	Mar-04
RT.3.06.AIN-1	Ungrouped	Jan-04
RT.3.07	VI; VII	Sep-03
RT.3.08.AIN-1	XI	Sep-03
RT.3.10	X	Mar-04
RT.4.03	CRIT	Nov-04

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<b>KTI ID</b>	<b>KTI Response Group Identification</b>	<b>KTI Date to NRC</b>
RT.4.03.AIN-1	CRIT	Nov-04
SDS.2.01.AIN-1	XIV	Feb-04
SDS.2.02	XIV	Feb-04
SDS.2.04.AIN-1	XIV	Feb-04
SDS.3.01	III	Mar-04
SDS.3.01.AIN-1	III	Jun-04
SDS.3.02.AIN-1	III	Jun-04
TEF.2.04	IV	Dec-03
TEF.2.05	IV	Jul-04
TEF.2.07	IV	Dec-03
TEF.2.08	III	Jun-04
TEF.2.10.AIN-1	III	Jun-04
TEF.2.11	II	Mar-04
TEF.2.12	Ungrouped	May-04
TEF.2.13. AIN-1	II	Mar-04
TSPAI.1.02	BC/TSPAI	Sep-04
TSPAI.2.01	FEP	Apr-04
TSPAI.2.02	FEP	Apr-04
TSPAI.2.03	FEP	Apr-04
TSPAI.2.04	FEP	Apr-04
TSPAI.2.05.AIN-1	Ungrouped	Aug-03
TSPAI.2.06.AIN-1	Ungrouped	Aug-03
TSPAI.2.07	FEP	Apr-04
TSPAI.3.01	V; VI	Mar-04
TSPAI.3.03.AIN-1	V; VI	Jan-04
TSPAI.3.04	V; VI	Mar-04
TSPAI.3.05	V; VI	Mar-04
TSPAI.3.06	XIV	Nov-03
TSPAI.3.07	III	Oct-04
TSPAI.3.08	VII	Sep-04
TSPAI.3.09	III	Oct-04
TSPAI.3.10	III; IV; V	Jun-04
TSPAI.3.11	II; III; IV	Jun-04

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**Enclosure 1**  
**Fiscal Year 2003 - 2005 KTI Schedule**

<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
TSPAI.3.12	III; II; IV	Nov-03
TSPAI.3.13	IV; V; VI	Dec-03
TSPAI.3.14	VII	Nov-03
TSPAI.3.16	III; IV; V	Jun-04
TSPAI.3.17	IX; VII	Sep-03
TSPAI.3.18.AIN-1	I	Mar-04
TSPAI.3.19.AIN-1	I	Mar-04
TSPAI.3.21.AIN-1	I	Mar-04
TSPAI.3.22.AIN-1	I	Mar-04
TSPAI.3.24	X	Mar-04
TSPAI.3.25	III	Oct-04
TSPAI.3.26	II	Mar-04
TSPAI.3.27	II	Mar-04
TSPAI.3.28	X	Mar-04
TSPAI.3.29	X	Mar-04
TSPAI.3.30	VI; VII	Sep-03
TSPAI.3.31	XI	Sep-03
TSPAI.3.32	XI	Sep-03
TSPAI.3.33	XII	Sep-03
TSPAI.3.34	XII	Sep-03
TSPAI.3.35	XII	Sep-03
TSPAI.3.36	XIII	May-04
TSPAI.3.37	XIII	May-04
TSPAI.3.38.AIN-1	BC/TSPAI	Sep-04
TSPAI.3.39.AIN-1	BC/TSPAI	Sep-04
TSPAI.3.41.AIN-1	BC/TSPAI	Sep-04
TSPAI.3.42	VI; VII	Sep-03
TSPAI.4.01.AIN-1	BC/TSPAI	Sep-04
TSPAI.4.02	XI	Sep-03
TSPAI.4.03	BC/TSPAI	Sep-04
TSPAI.4.03.AIN-1	BC/TSPAI	Sep-04
TSPAI.4.04	BC/TSPAI	Sep-04
TSPAI.4.06	BC/TSPAI	Sep-04

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**Enclosure 1**  
**Fiscal Year 2003 - 2005 KTI Schedule**

<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
USFIC.3.01.AIN-1	I	Mar-04
USFIC.3.02.AIN-1	I	Mar-04
USFIC.4.01	III	Oct-04
USFIC.4.02	Ungrouped	Aug-03
USFIC.4.03	Ungrouped	Aug-03
USFIC.4.04	II	Mar-04
USFIC.4.06	III	Jan-05
USFIC.5.01	XI	Sep-03
USFIC.5.02	XI	Sep-03
USFIC.5.04	XI	Sep-03
USFIC.5.05.AIN-1	XI	Sep-03
USFIC.5.06	XI	Sep-03
USFIC.5.08	XI	Sep-03
USFIC.5.10	XI	Sep-03
USFIC.5.11.AIN-1	XI	Sep-03
USFIC.5.12	XI	Sep-03
USFIC.6.03	III	Jan-05

**Note 1** - The above schedule reflects submittal of the GEN 1.01 sub-parts relevant to thermal operating mode selection.

**Note 2** - The plan for IA 1.02 response actions will be submitted in 2003. The supporting activities will continue through 2006.

## Enclosure 2

### CORRELATION OF KEY TECHNICAL ISSUES WITH INTEGRATED KEY TECHNICAL ISSUE RESPONSE GROUPS

<u>Key Technical Issue</u>	<u>Key Technical Issue Response Group(s)</u>
Unsaturated and Saturated Flow Under Isothermal Conditions (USFIC)	I. Climate and infiltration II. Unsaturated zone flow III. Water seeping into drifts
Thermal Effects on Flow (TEF)	II. Unsaturated zone flow III. Water seeping into drifts IV. Mechanical degradation and seismic effects VII. In-Package environment, waste form degradation and solubility
Repository Design and Thermal Mechanical Effects (RDTME)	IV. Mechanical degradation and seismic effects
Evolution of the Near Field Environment (ENFE)	III. Water seeping into drifts IV. Mechanical degradation and seismic effects V. In-Drift chemical environment VI. Waste package and drip shield corrosion VII. In-package environment, waste form degradation and solubility IX. Engineered barrier system transport
Container Life and Source Term (CLST)	IV. Mechanical degradation and seismic effects V. In-Drift chemical environment VI. Waste package and drip shield corrosion VII. In-Package environment, waste form degradation and solubility
Radionuclide Transport (RT)	VIII. Colloids IX. Engineered barrier system transport X. Unsaturated zone transport XI. Saturated zone flow and transport XII. Biosphere transport
Igneous Activity (IA)	XII. Biosphere transport XIII. Volcanic Events
Structural Deformation and Seismicity (SDS)	IV. Mechanical degradation and seismic effects XIV. Low Probability Seismic Effects
Total System Performance Assessment and Integration (TSPAI)	All including features, events, and processes
Preclosure (PRE)	N/A
General (GEN)	All

**Enclosure 3**  
**KTI Agreement and AIN Sort by Response Group**

<i><b>KTI ID</b></i>	<i><b>KTI Response Group Identification</b></i>	<i><b>KTI Date to NRC</b></i>
<b><i>Barrier Capability / Total System Performance Assessment and Integration</i></b>		
TSPAI.1.02	BC/TSPAI	Sep-04
TSPAI.3.38.AIN-1	BC/TSPAI	Sep-04
TSPAI.3.39.AIN-1	BC/TSPAI	Sep-04
TSPAI.3.41.AIN-1	BC/TSPAI	Sep-04
TSPAI.4.01.AIN-1	BC/TSPAI	Sep-04
TSPAI.4.03	BC/TSPAI	Sep-04
TSPAI.4.03.AIN-1	BC/TSPAI	Sep-04
TSPAI.4.04	BC/TSPAI	Sep-04
TSPAI.4.06	BC/TSPAI	Sep-04
<b><i>Criticality</i></b>		
CLST.5.03	CRIT	Jul-04
CLST.5.04	CRIT	Nov-04
CLST.5.04.AIN-1	CRIT	Nov-04
CLST.5.05.AIN-1	CRIT	Jul-04
ENFE.5.03	CRIT	Nov-04
ENFE.5.03.AIN-1	CRIT	Nov-04
PRE.7.01	CRIT	Dec-03
RT.4.03	CRIT	Nov-04
RT.4.03.AIN-1	CRIT	Nov-04
<b><i>Features, Events and Processes</i></b>		
ENFE.2.03	FEP	Apr-04
ENFE.2.18	FEP	Apr-04
TSPAI.2.01	FEP	Apr-04
TSPAI.2.02	FEP	Apr-04
TSPAI.2.03	FEP	Apr-04
TSPAI.2.04	FEP	Apr-04
TSPAI.2.07	FEP	Apr-04

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**Enclosure 3**  
**KTI Agreement and AIN Sort by Response Group**

<b>KTI ID</b>	<b>KTI Response Group Identification</b>	<b>KTI Date to NRC</b>
<b><i>I. Climate and Infiltration</i></b>		
TSPAI.3.18.AIN-1	I	Mar-04
TSPAI.3.19.AIN-1	I	Mar-04
TSPAI.3.21.AIN-1	I	Mar-04
TSPAI.3.22.AIN-1	I	Mar-04
USFIC.3.01.AIN-1	I	Mar-04
USFIC.3.02.AIN-1	I	Mar-04
<b><i>II. Unsaturated Zone Flow</i></b>		
TEF.2.11	II	Mar-04
TEF.2.13.AIN-1	II	Mar-04
TSPAI.3.26	II	Mar-04
TSPAI.3.27	II	Mar-04
USFIC.4.04	II	Mar-04
TSPAI.3.11	II; III; IV	Jun-04
<b><i>III. Water Seeping into Drifts</i></b>		
ENFE.1.03.AIN-1	III	Nov-03
ENFE.1.04	III	Nov-03
ENFE.1.07.AIN-1	III	Mar-04
ENFE.4.02	III	Mar-04
SDS.3.01	III	Mar-04
SDS.3.01.AIN-1	III	Jun-04
SDS.3.02.AIN-1	III	Jun-04
TEF.2.08	III	Jun-04
TEF.2.10.AIN-1	III	Jun-04
TSPAI.3.07	III	Oct-04
TSPAI.3.09	III	Oct-04
TSPAI.3.25	III	Oct-04
USFIC.4.01	III	Oct-04
USFIC.4.06	III	Jan-05
USFIC.6.03	III	Jan-05
TSPAI.3.12	III; II; IV	Nov-03
ENFE.1.05	III; IV	Nov-03

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**KTI Agreement and AIN Sort by Response Group**

<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
TSPA1.3.10	III; IV; V	Jun-04
TSPA1.3.16	III; IV; V	Jun-04
RDTME.3.07	III; IV; VI	Oct-04
ENFE.2.05	III; V	Nov-03
ENFE.2.10	III; V	Nov-03
<b><i>IV. Mechanical Degradation and Seismic Effects</i></b>		
CLST.2.01	IV	Apr-04
CLST.2.02	IV	Apr-04
CLST.2.03.AIN-1	IV	Oct-04
CLST.2.08	IV	Apr-04
CLST.2.09	IV	Apr-04
PRE.7.02	IV	Dec-03
PRE.7.03	IV	Dec-04
PRE.7.04	IV	Jul-03
PRE.7.05	IV	Dec-04
RDTME.3.02	IV	Jul-04
RDTME.3.04	IV	Dec-03
RDTME.3.05	IV	Dec-03
RDTME.3.06	IV	Jul-04
RDTME.3.08	IV	Jul-04
RDTME.3.09	IV	Jul-04
RDTME.3.10	IV	Jul-04
RDTME.3.11	IV	Jul-04
RDTME.3.12	IV	Jul-04
RDTME.3.13	IV	Jul-04
RDTME.3.14	IV	Dec-03
RDTME.3.15	IV	Jul-04
RDTME.3.16	IV	Jul-04
RDTME.3.19	IV	Jul-04
TEF.2.04	IV	Dec-03
TEF.2.05	IV	Jul-04
TEF.2.07	IV	Dec-03

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**Enclosure 3**  
**KTI Agreement and AIN Sort by Response Group**

<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
CLST.1.01	IV; V; VI	Dec-03
TSPAI.3.13	IV; V; VI	Dec-03
CLST.1.02	IV; VI	Apr-04
<b><i>V. In-drift Chemical Environment</i></b>		
ENFE.2.04	V	Oct-03
ENFE.2.06	V	Oct-03
ENFE.2.09	V	Oct-03
ENFE.2.11	V	Oct-03
ENFE.2.13	V	Oct-03
ENFE.2.15	V	Oct-03
ENFE.2.17	V	Oct-03
CLST.1.04	V; VI	Aug-05
CLST.1.06.AIN-1	V; VI	Jan-04
CLST.1.07.AIN-1	V; VI	Jan-04
CLST.1.12	V; VI	Oct-03
CLST.1.13	V; VI	Oct-03
CLST.1.14	V; VI	Oct-03
CLST.1.15	V; VI	Oct-03
CLST.1.16	V; VI	Oct-03
CLST.6.01	V; VI	Oct-03
CLST.6.02.AIN-1	V; VI	Jul-04
CLST.6.03.AIN-1	V; VI	Jul-04
ENFE.2.14	V; VI	Oct-03
RDTME.3.18	V; VI	Oct-03
TSPAI.3.01	V; VI	Mar-04
TSPAI.3.03.AIN-1	V; VI	Jan-04
TSPAI.3.04	V; VI	Mar-04
TSPAI.3.05	V; VI	Mar-04
<b><i>VI. Waste Package and Drip Shield Corrosion</i></b>		
CLST.1.03	VI	May-04
CLST.1.08	VI	Jul-04
CLST.1.09	VI	Jul-04

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<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
CLST.1.10	VI	May-04
CLST.1.11	VI	May-04
CLST.2.04	VI	Apr-05
CLST.2.05	VI	Apr-05
ENFE.1.06	VI; VII	Sep-03
ENFE.4.03	VI; VII	Sep-03
ENFE.4.04	VI; VII	Sep-03
ENFE.4.06	VI; VII	Sep-03
ENFE.4.06.AIN-1	VI; VII	Oct-03
RT.3.07	VI; VII	Sep-03
TSPAI.3.30	VI; VII	Sep-03
TSPAI.3.42	VI; VII	Sep-03

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<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
<b><i>VII. In-package Environment, Waste Form Degradation and Solubility</i></b>		
CLST.3.02.AIN-1	VII	Jul-04
CLST.3.03.AIN-1	VII	Jul-04
CLST.3.04.AIN-1	VII	Nov-03
CLST.3.05	VII	Jul-04
CLST.3.06.AIN-1	VII	Mar-04
CLST.3.07	VII	Mar-04
CLST.3.08.AIN-1	VII	Mar-04
CLST.3.09.AIN-1	VII	Mar-04
ENFE.3.03	VII	Jul-04
ENFE.3.04	VII	Jul-04
TSPAI.3.08	VII	Sep-04
TSPAI.3.14	VII	Nov-03
<b><i>VIII. Colloids</i></b>		
ENFE.3.05.AIN-1	VIII	Sep-03
ENFE.4.05.AIN-1	VIII	Sep-03
RT.1.03.AIN-1	VIII	Dec-03
<b><i>IX. Engineered Barrier System Transport</i></b>		
TSPAI.3.17	IX; VII	Sep-03
<b><i>X. Unsaturated Zone Transport</i></b>		
RT.1.01	X	Mar-04
RT.1.02	X	Mar-04
RT.1.04	X	Mar-04
RT.3.01	X	Mar-04
RT.3.02	X	Mar-04
RT.3.04	X	Mar-04
RT.3.05	X	Mar-04
RT.3.10	X	Mar-04
TSPAI.3.24	X	Mar-04

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<b><i>KTI ID</i></b>	<b><i>KTI Response Group Identification</i></b>	<b><i>KTI Date to NRC</i></b>
TSPAI.3.28	X	Mar-04
TSPAI.3.29	X	Mar-04
<b><i>XI. Saturated Zone Flow and Transport</i></b>		
RT.1.05	XI	Sep-03
RT.2.01	XI	Sep-03
RT.2.02	XI	Sep-03
RT.2.03.AIN-1	XI	Sep-03
RT.2.06	XI	Sep-03
RT.2.07	XI	Sep-03
RT.2.08	XI	Sep-03
RT.2.08	XI	Sep-03
RT.2.09.AIN-1	XI	Sep-03
RT.2.10	XI	Sep-03
RT.3.03	XI	Sep-03
RT.3.08.AIN-1	XI	Sep-03
TSPAI.3.31	XI	Sep-03
TSPAI.3.32	XI	Sep-03
TSPAI.4.02	XI	Sep-03
USFIC.5.01	XI	Sep-03
USFIC.5.02	XI	Sep-03
USFIC.5.04	XI	Sep-03
USFIC.5.05.AIN-1	XI	Sep-03
USFIC.5.06	XI	Sep-03
USFIC.5.08	XI	Sep-03
USFIC.5.10	XI	Sep-03
USFIC.5.11.AIN-1	XI	Sep-03
USFIC.5.12	XI	Sep-03

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<b><i>XII. Biosphere Transport</i></b>		
IA.2.11	XII	Sep-03
IA.2.14	XII	Sep-03
IA.2.15	XII	Sep-03
TSPAI.3.33	XII	Sep-03
TSPAI.3.34	XII	Sep-03
TSPAI.3.35	XII	Sep-03
<b><i>XIII. Volcanic Events</i></b>		
IA.1.02.AIN-1 (Note 2)	XIII	Oct-03
IA.2.03.AIN-1	XIII	Oct-03
IA.2.09.AIN-1	XIII	Oct-03
IA.2.17	XIII	May-04
IA.2.18	XIII	Oct-03
IA.2.19	XIII	Oct-03
IA.2.20	XIII	Oct-03
TSPAI.3.36	XIII	May-04
TSPAI.3.37	XIII	May-04
<b><i>XIV. Low Probability Seismic Events</i></b>		
CLST.3.10	XIV	Nov-03
RDTME.2.01	XIV	Feb-04
RDTME.2.02	XIV	Nov-03
RDTME.2.02.AIN-1	XIV	Nov-03
RDTME.3.03	XIV	Feb-04
SDS.2.01.AIN-1	XIV	Feb-04
SDS.2.02	XIV	Feb-04
SDS.2.04.AIN-1	XIV	Feb-04
TSPAI.3.06	XIV	Nov-03
<b><i>Ungrouped</i></b>		
GEN.1.01 (Note 1)	Ungrouped	Nov-03
PRE.3.01	Ungrouped	Oct-03
PRE.3.02	Ungrouped	Jul-03

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### Enclosure 3

#### KTI Agreement and AIN Sort by Response Group

<i><b>KTI ID</b></i>	<i><b>KTI Response Group Identification</b></i>	<i><b>KTI Date to NRC</b></i>
PRE.6.01.AIN-1	Ungrouped	Jan-04
RDTME.3.17	Ungrouped	Dec-03
RDTME.3.20	Ungrouped	Jul-04
RDTME.3.21	Ungrouped	Jul-04
RT.3.06.AIN-1	Ungrouped	Jan-04
TEF.2.12	Ungrouped	May-04
TSPAI.2.05.AIN-1	Ungrouped	Aug-03
TSPAI.2.06.AIN-1	Ungrouped	Aug-03
USFIC.4.02	Ungrouped	Aug-03
USFIC.4.03	Ungrouped	Aug-03

Note 1 - The above schedule reflects submittal of the GEN 1.01 sub-parts relevant to thermal operating mode selection.

Note 2 - The plan for IA 1.02 response actions will be submitted in 2003. The supporting activities will continue through 2006.