



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-0001

MAY 28 2004

OVERNIGHT MAIL

ATTN: Document Control Desk
Director, Division of High-Level Waste Repository Safety
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
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**TRANSMITTAL OF INFORMATION ON CONTAINER LIFE AND SOURCE TERM
(CLST) KEY TECHNICAL ISSUE (KTI) AGREEMENT ITEM 2.01**

This letter transmits information on KTI Agreement *Container Life and Source Term CLST 2.01* (enclosure 1) that satisfies the subject KTI agreement. A compact disk (CD) of the report is included in Enclosure 2. The CD contains two .pdf files: KTI CLST 2.01 (187 KB) and 000-00C-SSE0-00300-000-00A (3.16 MB), both publicly available. Specifically, the KTI agreement states:

CLST 2.01: "Either provide documentation using solid element formulation, or provide justification for not using it, for the drip shield - rockfall analysis. DOE stated that shell elements include normal stresses and transverse stresses in the calculations and provides more accurate results for thin plates and use far fewer elements. Therefore, shell elements will be used instead of solid elements. This justification will be documented in the next revision of AMR ANL-XCS-ME-000001, Design Analysis for the Ex-Container Components, prior to LA."

Agreement item CLST 2.01 deals with rock fall analysis and the use of solid finite element formulation for the drip shield. Originally, it was planned to include the rock fall analysis in the *Design Analysis for the Ex-Container Components Report*, AMR ANL-XCS-ME-000001. However, this report was subsequently replaced by the *Drip Shield and Waste Package Emplacement Pallet Design Report*, 000-00C-SSE0-00100-000-00A. Appendix A of the enclosed report (i.e., *Drip Shield Structural Response to Rock Fall*, 000-00C-SSE0-00300-000-00A) is a part of the *Drip Shield and Waste Package Emplacement Pallet Design Report* and addresses the issues related to CLST 2.01.

The U.S. Department of Energy considers CLST 2.01 to be addressed, and pending review and acceptance by the U.S. Nuclear Regulatory Commission, this agreement should be closed.

There are no new regulatory commitments in the body or enclosure to this letter.

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Please direct any questions concerning this letter and its enclosures to David C. Haught at (702) 794-5474 or e-mail at david_haught@ymp.gov or Kirk D. Lachman at (702) 794-5096 or e-mail at kirk_lachman@ymp.gov.

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

OLAS:TCG: 1082

Enclosure:

1. Key Technical Issue Container Life and Source Term CLST 2.01 (includes Appendix A of KTI Container Life and Source Term CLST 2.01)
2. CD of Enclosure 1

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Director, Division of High-Level Waste
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cc w/encl 2: (continued)

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