



Department of Energy
Office of Civilian Radioactive Waste Management
Office of Repository Development
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QA: N/A
Project No. WM-00011

JUL 22 2004

OVERNIGHT MAIL

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TRANSMITTAL OF APPENDICES N AND S OF TECHNICAL BASIS DOCUMENT NO. 6: *WASTE PACKAGE AND DRIP SHIELD CORROSION*, REVISION 01, ADDRESSING KEY TECHNICAL ISSUE (KTI) AGREEMENTS RELATED TO CONTAINER LIFE AND SOURCE TERM (CLST) 1.08, 1.09, and 2.03 ADDITIONAL INFORMATION NEED (AIN)-1

Reference: Ltr, Ziegler to Chief, High-Level Waste Branch (NRC), dtd 12/9/03
(Transmittal of Technical Basis Document No. 6: Waste Package and Drip Shield Corrosion Addressing KTI Agreements)

This letter transmits Appendices N and S (enclosures 1 and 2) of the *Technical Basis Document No. 6: Waste Package and Drip Shield Corrosion*, Revision 01, which was previously provided in the referenced letter. Also, a compact disk (CD) of the appendices is provided in Enclosure 3. The CD files are in pdf format and can be made publicly available. The Appendix N file is 15,081 KB, and dated 7/9/04. The Appendix S file is 324 KB, and dated 7/14/04.

The Technical Basis Document contains a summary of the current conceptual understanding of the degradation modes of the waste package and drip shield materials and provides the context within which individual KTI agreements are related to the long-term material behavior. Appendices A – H were submitted as part of the referenced letter, and additional appendices were transmitted by subsequent correspondence. Transmittal of Appendices N and S completes *Technical Basis Document No. 6: Waste Package and Drip Shield Corrosion*, Revision 01.

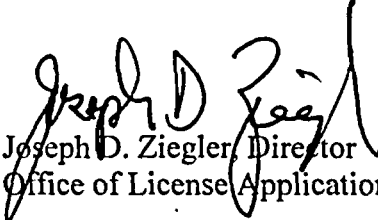
Appendix N, *Waste Package and Drip Shield Materials: Passive Film Characteristics, Growth, and Stability*, Revision 1, provides a direct response to CLST 1.08 and 1.09. Appendix S, *Waste Package and Drip Shield Material Analysis*, Revision 2, provides a direct response to CLST 2.03 AIN-1.

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The U.S. Department of Energy considers the KTI agreements CLST 1.08, 1.09, and 2.03 AIN-1 to be addressed, and pending review and acceptance 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. 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. Alternatively, specific questions concerning Appendix N should be directed to Paige R.Z. Russell at (702) 794-1315 or e-mail at paige_russell@ymp.gov, and specific questions concerning Appendix S should be directed to Kirk D. Lachman at (702) 794-5096 or e-mail at kirk_lachman@ymp.gov.


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

OLA&S:DCH-1658

Enclosures:

1. Appendix N, *Waste Package and Drip Shield Materials: Passive Film Characteristics, Growth, and Stability*, Revision 1 (Response to CLST 1.08 and CLST 1.09)
2. Appendix S, *Waste Package and Drip Shield Material Analysis*, Revision 2 (Response to CLST 2.03 AIN-1)
3. CD – Appendices N and S of Technical Basis Document No. 6: Waste Package and Drip Shield Corrosion

Director, Division of High-Level Waste
Repository Safety

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cc w/encls 1, 2, and 3:

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