



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

JUN 30 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

TRANSMITTAL OF APPENDICES R AND T, 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) 1.04 AND PRECLOSURE (PRE) 7.03

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 R and T (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 R file is 197 KB, and dated 06/24/04. The Appendix T file is 498 KB, and dated 06/25/04.

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. Additional appendices will be transmitted under separate cover letters.

Appendix R, Continued Testing in Long Term Corrosion Test Facility, Revision 1, provides a direct response to CLST 1.04. Appendix T, Microstructural and Compositional Variations of Alloy 22, Revision 1, provides a direct response to PRE 7.03.

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JUN 30 2004

The U.S. Department of Energy considers the KTI agreements CLST 1.04 and PRE 7.03 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 R 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 T should be directed to Kirk D. Lachman at (702) 794-5096 or e-mail at kirk_lachman@ymp.gov.

OLA&S:DCH-1536

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

Enclosures:

1. Appendix R, Continued Testing in Long Term Corrosion Test Facility, Revision 1 (Response to CLST 1.04)
2. Appendix T, Microstructural and Compositional Variations of Alloy 22, Revision 1 (Response to PRE 7.03)
3. CD – Appendices R and T of Technical Basis Document No. 6: Waste Package and Drip Shield Corrosion

cc w/encls 1, 2, and 3:

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

cc w/encl 3:

D. D. Chamberlain, NRC, Arlington, TX
G. P. Hatchett, NRC, Rockville, MD
R. M. Latta, NRC, Las Vegas, NV
J. D. Parrott, NRC, Las Vegas, NV
D. B. Spitzberg, NRC, Arlington, TX
H. J. Larson, ACNW, Rockville, MD
Budhi Sagar, CNWRA, San Antonio, TX

JUN 30 2004

cc w/encl 3: (continued)

J. R. Egan, Egan & Associates, McLean, VA
J. H. Kessler, EPRI, Charlotte, NC
M. J. Apted, Monitor Scientific, LLC, Denver, CO
Rod McCullum, NEI, Washington, DC
R. R. Loux, State of Nevada, Carson City, NV
Pat Guinan, State of Nevada, Carson City, NV
Alan Kalt, Churchill County, Fallon, NV
Irene Navis, Clark County, Las Vegas, NV
George McCorkell, Esmeralda County, Goldfield, NV
Ron Damele, Eureka County, Eureka, NV
Michael King, Inyo County, Edmonds, WA
Andrew Remus, Inyo County, Independence, CA
Mickey Yarbro, Lander County, Battle Mountain, NV
Spencer Hafen, Lincoln County, Pioche, NV
Linda Mathias, Mineral County, Hawthorne, NV
L. W. Bradshaw, Nye County, Pahrump, NV
Mike Simon, White Pine County, Ely, NV
R. I. Holden, National Congress of American Indians, Washington, DC

cc w/o encls:

A. C. Campbell, NRC, Rockville, MD
L. L. Campbell, NRC, Rockville, MD
N. K. Stablein, NRC, Rockville, MD