



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

MAR 18 2004

OVERNIGHT MAIL

Attn: Document Control Desk
Chief, High-Level Waste Branch, DWM/MNSS
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 208521-2738

TRANSMITTAL OF REFERENCE DOCUMENTS TO SUPPORT THE
U.S. NUCLEAR REGULATORY COMMISSION (NRC) REVIEW OF KEY TECHNICAL
ISSUE (KTI) AGREEMENTS RELATED TO TECHNICAL BASIS DOCUMENT NO. 3:
WATER SEEPING INTO DRIFTS

Reference: Ltr, Schlueter to Ziegler, dtd 12/23/03

Your letter of December 23, 2003, provided a list of documents the NRC staff needs to complete their review of six of the seven Technical Basis Documents and associated KTI agreement responses recently submitted by the U.S. Department of Energy.

This letter transmits a compact disc (enclosure 1) containing electronic copies of eight of the ten documents needed for NRC staff to complete its review of certain KTI agreements in the *Technical Basis Document No. 3: Water Seeping Into Drifts*. These documents reflect the current status of the Yucca Mountain Project's scientific and design bases and remain subject to future change. Information that evolves through subsequent changes of the referenced documents will be reflected in the License Application. The remaining two documents requested by the NRC staff will be sent shortly.

There are no new regulatory commitments in this letter or its enclosures. Please direct any questions concerning this letter and its enclosures to Joe C. Price at (702) 794-1441 or Deborah L. Barr at (702) 794-1479.


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

OLA&S:JCP-0841

Enclosures:

1. CD - References for Technical Basis Report
No. 3: Water Seepage Into Drifts
2. Document File Format Information for CD
in Enclosure 1

WM 5507
WM-11

MAR 18 2004

cc w/encls:

D. D. Chamberlain, NRC, Arlington, TX
G. P. Hatchett, NRC, Rockville, MD
R. M. Latta, NRC, Las Vegas, NV
D. B. Spitzberg, NRC, Arlington, TX
B. J. Garrick, ACNW, Rockville, MD
H. J. Larson, ACNW, Rockville, MD
W. C. Patrick, CNWRA, San Antonio, TX
Budhi Sagar, CNWRA, San Antonio, TX
J. R. Egan, Egan & Associates, McLean, VA
J. H. Kessler, EPRI, Palo Alto, CA
M. J. Apted, Monitor Scientific, LLC, Denver, CO
Rod McCullum, NEI, Washington, DC
W. D. Barnard, NWTRB, Arlington, VA
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
Leonard Fiorenzi, 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:

C. W. Reamer, NRC, Rockville, MD
A. C. Campbell, NRC, Rockville, MD
L. L. Campbell, NRC, Rockville, MD
J. D. Parrott, NRC, Las Vegas, NV
N. K. Stablein, NRC, Rockville, MD

ENCLOSURE 2

Document File Format Information

The enclosed compact disc contains electronic copies of eight of the ten documents requested by NRC staff for their review of *Technical Basis Document No. 3: Water Seeping Into Drifts*.

The disc contains the following reference documents in pdf file format:

Abstraction Of Drift Seepage. MDL-NBS-HS-000019 Rev 00

UZ Flow Models And Submodels. MDL-NBS-HS-000006 Rev. 01

Drift Degradation Analysis. ANL-EBS-MD-000027 Rev. 02 (Part 1)

Drift Degradation Analysis. ANL-EBS-MD-000027 Rev. 02 (Part 2)

Seepage Calibration Model And Seepage Testing Data.
MDL-NBS-HS-000004 Rev. 02

In Situ Field Testing Of Processes. ANL-NBS-HS-000005 Rev. 02 (Part 1)

In Situ Field Testing Of Processes. ANL-NBS-HS-000005 Rev. 02 (Part 2)

Drift Scale THM Model. MDL-NBS-HS-000017 Rev. 00

Seepage Model For PA Including Drift Collapse. MDL-NBS-HS-000002 Rev. 02

Thermal Testing Measurements Report. ANL-NBS-HS-000041 Rev. 00