

**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
P.O. Box 30307  
North Las Vegas, NV 89036-0307

QA: N/A

APR 30 2001

OVERNIGHT MAIL

C. William Reamer, Chief  
High-Level Waste and Performance  
Assessment Branch  
Division of Waste Management  
Office of Nuclear Materials Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Two White Flint North  
Rockville, MD 20852

TRANSMITTAL OF REPORTS AND DATA ADDRESSING KEY TECHNICAL  
ISSUE (KTI) EXCHANGES

This letter transmits the following KTI agreement items:

DTN-GS10308312312.001, Remaining Data Set from SD-6. Test data from SD-6 and WT-24 were provided to the U.S. Nuclear Regulatory Commission (NRC) via a letter from Stephan Brocoum to C. William Reamer dated March 2, 2001, except for a particular data set for SD-6, which was not available at that time. This data set is also accessible to the NRC via the Automated Technical Data Tracking System through the Internet at <http://www.ymp.gov> as Data Tracking Number (DTN)-GS010308312312.001. This document completes Unsaturated and Saturated Flow Under Isothermal Conditions agreement item 5.7.

Single Heater Test – Final Report, Rev. 00 ICN 01, and Data to Support the Matrix/Fracture Model. These documents provide the mineralogy/petrology analysis and data from post-test overcoring for the Single Heater Test. The data (DTNs LA0009SL831151.001 and LA009SL831151.002) are also available to the NRC via the Internet at <http://www.ymp.gov> as described in our letter from Stephan Brocoum to C. William Reamer dated March 30, 2001. Specific instructions for accessing the data are included on the Compact Disc (CD). These documents complete one of the three actions in Evolution of the Near-Field Environment agreement item 1.7.

White Paper entitled “Heat and Mass Flow Through the Bulkhead in the Drift Scale Test”. This document completes Thermal Effects on Flow agreement item 2.1.

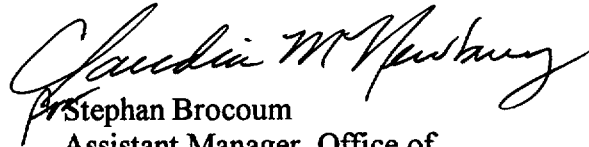
WM-11  
NMS507

APR 30 2001

C. William Reamer

-2-

Please direct any questions concerning this letter and its enclosures to Timothy C. Gunter at (702) 794-1343.



Stephan Brocoum  
Assistant Manager, Office of  
Licensing and Regulatory Compliance

OL&RC:TCG-1114

Enclosures:

1. CD containing DTN-GS10308312312.001  
Single Heater Test – Final Report, Rev 00  
ICN 01, Data to Support the Matrix/Fracture  
Model, DTNs LA0009SL831151.001  
and LA009SL831151.002 and White Paper  
entitled “Heat and Mass Flow Through the  
Bulkhead in the Drift Scale Test”
2. Hard Copy of the Single Heater Test, Rev. 00  
ICN 01 and White Paper entitled “Heat and  
Mass Flow Through the Bulkhead in the Drift  
Scale Test”

cc w/encl 1:

J. W. Anderson, NRC, Rockville, MD  
K. C. Chang, NRC, Rockville, MD  
D. J. Brooks, NRC, Rockville, MD  
J. W. Bradbury, NRC, Rockville, MD  
C. J. Glenn, NRC, Las Vegas, NV  
S. H. Hanauer, DOE/HQ (RW-2) Las Vegas, NV  
B. J. Garrick, ACNW, Rockville, DC  
Richard Major, ACNW, Washington, DC  
W. D. Barnard, NWTRB, Arlington, VA  
Budhi Sagar, CNWRA, San Antonio, TX  
W. C. Patrick, CNWRA, San Antonio, TX  
Steve Kraft, NEI, Washington, DC  
J. H. Kessler, EPRI, Palo Alto, CA  
F. S. Echols, Winston & Strawn, Washington, DC  
J. R. Curtiss, Winston & Strawn, Washington, DC  
R. R. Loux, State of Nevada, Carson City, NV  
John Meder, State of Nevada, Carson City, NV  
Alan Kalt, Churchill County, Fallon, NV  
D. A. Bechtel, Clark County, Las Vegas, NV

APR 30 2001

C. William Reamer

-3-

cc w/encl 1: (continued)

Harriet Ealey, Esmeralda County, Goldfield, NV  
Leonard Fiorenzi, Eureka County, Eureka, NV  
Andrew Remus, Inyo County, Independence, CA  
Michael King, Inyo County, Edmonds, WA  
Mickey Yarbro, Lander County, Battle Mountain, NV  
Jason Pitts, Lincoln County, Caliente, NV  
L. W. Bradshaw, Nye County, Pahrump, NV  
Jerry McKnight, Nye County, Tonopah, NV  
Judy Shankle, Mineral County, Hawthorne, NV  
Josie Larson, White Pine County, Ely, NV  
R. I. Holden, National Congress of American  
Indians, Washington, DC  
Allen Ambler, Nevada Indian Environmental  
Coalition, Fallon, NV  
R. N. Wells, DOE/YMSCO (RW-60) FORS

cc w/o encls:

N. K. Stablein, NRC, Rockville, MD  
S. L. Wastler, NRC, Rockville, MD  
W. L. Belke, NRC, Las Vegas, NV  
L. H. Barrett, DOE/HQ (RW-1) FORS  
A. B. Brownstein, DOE/HQ (RW-52) FORS  
R. A. Milner, DOE/HQ (RW-2) FORS  
N. H. Slater, DOE/HQ (RW-52) FORS  
Nancy Williams, BSC, Las Vegas, NV  
S. J. Cereghino, BSC, Las Vegas, NV  
J. G. Linhart, NSNFP, Las Vegas, NV  
J. H. Smyder, Naval Reactors, Las Vegas, NV  
R. B. Bradbury, MTS, Las Vegas, NV  
K. M. Cline, MTS, Las Vegas, NV  
J. R. Dyer, DOE/YMSCO, Las Vegas, NV  
D. G. Horton, DOE/YMSCO, Las Vegas, NV  
G. W. Hellstrom, DOE/YMSCO, Las Vegas, NV  
Stephan Brocoum, DOE/YMSCO, Las Vegas, NV  
D. R. Williams, DOE/YMSCO, Las Vegas, NV  
A. V. Gil, DOE/YMSCO, Las Vegas, NV  
S. P. Mellington, DOE/YMSCO, Las Vegas, NV  
J. M. Repogle, DOE/YMSCO, Las Vegas, NV  
E. T. Smistad, DOE/YMSCO, Las Vegas, NV  
T. C. Gunter, DOE/YMSCO, Las Vegas, NV  
D. L. Barr, DOE/YMSCO, Las Vegas, NV  
C. L. Hanlon, DOE/YMSCO, Las Vegas, NV

APR 30 2001

C. William Reamer

-4-

cc w/o encls: (continued)

S. A. Morris, DOE/YMSCO, Las Vegas, NV

P. G. Harrington, DOE/YMSCO, Las Vegas, NV

J. T. Sullivan, DOE/YMSCO, Las Vegas, NV

C. A. Kouts, DOE/YMSCO (RW-2) FORS

Records Processing Center =

OL&RC Library

(ENCLS=READILY AVAILABLE)