

# **CNWRA** A center of excellence in earth sciences and engineering

A Division of Southwest Research Institute  
6220 Culebra Road • San Antonio, Texas, U.S.A. 78228-5166  
(210) 522-5160 • Fax (210) 522-5155

September 15, 1999  
Contract No. NRC-02-97-009  
Account No. 20-1402-671

U.S. Nuclear Regulatory Commission  
ATTN: Dr. Mysore S. Nataraja  
Division of Waste Management  
TWFN Mail Stop 7 C6  
11545 Rockville Pike  
Washington, DC 20555

Subject: Repository Design and Thermal-Mechanical Effects (RDTME) KTI Intermediate Milestone No. 20-1402-671-950, Long-Term TM Effects on Repository Design/Performance: Discontinuum Model—Letter Report

Dear Dr. Nataraja:

Attached is the Center for Nuclear Waste Regulatory Analyses document entitled: "Rock Mass Behavior in the Transition Area Between Strong and Weak Rock Conditions." To better reflect the content of the document, the title has been changed from that originally identified in the Operations Plan. This technical document fulfills the requirements for the subject milestone which is due September 16, 1999.

If you have any questions on this report, please contact me at (210) 522-5151 or Simon Hsiung at (210) 522-5209.

Sincerely yours,



Asadul H. Chowdhury, Manager  
Mining, Geotechnical, and  
Facility Engineering

UH 15/11  
426.1  
wm-11

AHC/jw  
Enclosure

- |     |                            |              |                          |            |
|-----|----------------------------|--------------|--------------------------|------------|
| cc: | B. Stiltenpole (2)         | N. Stablein  | J. Pohle                 | R. Chen    |
|     | J. Greeves                 | D. Brooks    | W. Patrick               | D. Gute    |
|     | J. Holonich                | K. McConnell | CNWRA Directors          | G. Ofoegbu |
|     | W. Reamer                  | B. Jagannath | CNWRA Element Managers   |            |
|     | D. DeMarco                 | T. McCartin  | T. Nagy (SwRI Contracts) |            |
|     | B. Meehan                  | P. Justus    | S. Hsiung                |            |
|     | J. Linehan (w/o enclosure) | B. Leslie    | A. Ghosh                 |            |



Washington Office • Twinbrook Metro Plaza #210  
12300 Twinbrook Parkway • Rockville, Maryland 20852-1606

290050

Delete all  
distribution  
Mgmt  
Files  
POR