



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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TO: John J. Linehan, Project Director, HLPD
Division of High-Level Waste Management, M/S 4-H-3

FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative

DATE: March 1, 1989

SUBJECT: WEEKLY ACTIVITY REPORT, PROTOTYPE TESTING

Please find enclosed the above-referenced report received in this office, i.e., for week ending February 5, 1989.

PTP:nan
Enclosure

cc w/enc.: Carl Johnson
Agency for Nuclear Projects
Nuclear Waste Project Office
Capitol Complex
Carson City, Nevada 89710

8903090222 890301
PDR WASTE
WM-11 PDC

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Los Alamos

Los Alamos National Laboratory
P.O. Box O Mercury, Nev. 89023

TWS-ESS-1/LV-2/89-30
February 23, 1989
702/794-7094
FTS 544-7094

William Hughes
Site Investigations Branch
U. S. Department of Energy
Yucca Mountain Project Office
P. O. Box 98518
Las Vegas, NV 89193-8518

SUBJECT: WEEKLY G-TUNNEL ACTIVITY REPORT FOR WEEK ENDING
FEBRUARY 5, 1989

Transmitted herein is the subject report describing work performed in G-Tunnel in support of the Prototype Testing.

If you have any questions, please contact Ron Oliver at FTS 544-7095.

Sincerely,
H. N. Kalia

H. N. Kalia

HNK:RDO:kq10

- Cy:
- A. Girdley, YMP/DOE, MS 523
 - S. Carter, YMP/DOE, MS 523
 - R. Waters, YMP/DOE, MS 523
 - J. Burford, SAIC, MS 517
 - E. Cikanek, T&MSS, MS 517
 - R. Bullock, F&S, MS 403
 - J. Calovini, H&N, MS 519
 - L. Ramspott, LLNL, P.O. Box 808, Livermore, CA 94550
 - R. Pritchett, REEC, MS 408
 - T. Blejwas, SNL, Dept. 6310, Albuquerque, NM 87185
 - R. Dye, SNL, MS 944
 - D. Harris, USBR, P.O. Box 25007 MCD3620N, Denver, CO
 - R. Craig, USGS, MS 509
 - L. Hayes, USGS, P.O. Box 25046, Denver, CO 80225
 - B. Lewis, USGS, P.O. Box 25046, Denver, CO 80225
 - D. Oakley, LANL, N-5, MS J521
 - ESS-1, LANL, MS D462
 - ESS-1/LV, LANL, MS 527
 - RPC File, LANL, MS J521 (2)
 - CRM-4, LANL, MS A150

ACTION

CC: HUGHES

CC: WATERS/WILSON

CC: DELL/JONES

CC: KRUWAKEL

CC: WILSON

CC: PRESTHOLT-NRE

CC: VOLTURA

CC: GLONINGER

CC: _____

CC: _____

REC'D IN WMPO
2-24-89
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WEEKLY ACTIVITY REPORT
PROTOTYPE TESTING
Week Ending - February 5, 1989

ACCOMPLISHMENTS

- .TM - Prototype status briefings and schedule were presented to NTS personnel.
- .LLNL - Engineered Barrier: Continued data acquisition on the Horizontal Heater Test.
- .USGS - Cross Hole: No NTS activity.
 - Wet and Dry Drilling: Continued data collection on the four test holes.
 - Drill Hole Instrumentation: Data acquisition and equilibration continues.
 - Mapping: Yucca Mountain Project approval of FR (Fran Ridge) work order delayed.
 - Intact Fracture: Conducted kick-off meeting at G-Tunnel. Established and marked drilling locations in G-Tunnel.
 - Rubble Coring: Scheduled kick-off meeting for February 6, 1989.
 - Controlled Blasting: Completed draft of criteria letter.
 - Blast Effects: Finalized criteria letter mailed to Las Vegas.
 - Excavation Effects: Finalized criteria letter mailed to SNL.
 - In Situ Stress: Criteria letter received by Yucca Mountain Project Office.
- .LANL - Diffusion Test: Test in progress in DH #2. Drilling started on DH #3 on February 1, 1989.
- .SNL - Thermal Stress: Readiness review scheduled for February 13, 1989.

PLANNED WORK

- .LLNL - Engineered Barrier: Continue data acquisition on Horizontal Heater Test. Develop Vertical Test criteria letter.
- .USGS - Mapping: Start FR mapping as Yucca Mountain Project authorization is obtained.
 - Cross Hole: Start deployment of packer apparatus in G-Tunnel in March, 1989.
 - Intact Fracture: Obtain an open work order and order required equipment.
 - Drill Hole Instrumentation: Continue instrumentation equilibration period and data acquisition.
 - Wet and Dry Drilling: Continue data collection on test holes.
 - Rubble Coring: Obtain an open work order and order required support equipment.

- In-Situ Stress: Obtain a Yucca Mountain Project Office approved criteria letter. Readiness review scheduled for February 6, 1989.
 - Controlled Blasting: Continue consolidate of related tests and obtain a Yucca Mountain Project Office approved work order.
 - Blast Effects: Obtain an open work order.
 - Excavation Effects: Obtain an open work order.
 - Optimal Rubble Size: Obtain an open work order. Readiness review scheduled for February 6, 1989.
 - Perched Water: Obtain an open work order. Readiness review scheduled for February 13, 1989.
- .LANL - Diffusion: Continue and monitor solute injection in DH#2. Complete overcoring of DH #3.
- .SNL - Thermal Stress: Tentative Readiness Review on February 13, 1989. Finalized criteria letter to Las Vegas by February 6, 1989.

PROBLEMS/ISSUES

NONE

EXPENDITURES

.Prototype Testing:	Work Days Remain	166	Expended	33 %
.REECO: Current Week-Prototype Testing	\$	11,937	Year to Date \$	61,799
Current Week-G-Tunnel Operation	\$	18,331	Year to Date \$	327,250
.H&N: Current Week-Prototype Testing	\$	5,006	Year to Date \$	69,929
.F&S: Current Week-Prototype Testing	\$	*	Year to Date \$	*

*Information not available at the time of this report.