



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

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

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

DATE: June 13, 1989

SUBJECT: WEEKLY ACTIVITY REPORT, PROTOTYPE TESTING

Please find enclosed the above-referenced report received in this office, i.e., week ending May 21, 1989.

PTP:nan  
Enclosure

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

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WEEKLY ACTIVITY REPORT  
PROTOTYPE TESTING  
Week Ending - May 21, 1989

ACCOMPLISHMENTS

- LLNL - Engineered Barrier: Heater extracted, cool down measurements continue.
- USGS - Cross Hole: Modification to equipment is progressing at USGS, Denver. There is no NTS activity at this time.
- Wet and Dry Drilling: Data collection is continuing on the four test holes in the U12g12 drift.
  - Drill Hole Instrumentation: Data collection is continuing on the two test holes near the end of the U12g12 drift.
  - Blast effects: Work is proceeding in order to start the readiness review for this test.
  - Excavation Effects: Work is proceeding in order to start the readiness review for this test.
  - Perched Water: Total depth on U12g PW#1 is 30.1 feet. The dust collector for the Longyear 34 drill is being installed, and the Longyear drill is being moved from the Puff-and-Tuff drift to the Laser Drift.
  - Controlled Blasting: The revised criteria has been received for the Controlled Blasting Test.
  - In-Situ Stress: Overcore drilling in the Demonstration Drift continues. Total core recovered is 98.2 %. Total footage drilled is 8.7 feet.
- LANL - Diffusion Test: Test monitoring is in progress in DH#2 and DH#3. Purchase authorization for the CMM-2 drill is in progress.
- SNL - Thermal Stress: There were no significant accomplishments during this reporting period.

PLANNED WORK:

- LLNL - Engineered Barrier: The heater was removed on Monday, May 15, 1989. LLNL personnel continued to monitor cool down measurements.
- USGS - Mapping: Start Fran Ridge mapping as soon as YMP authorization is obtained.
- Cross Hole: Work is scheduled to begin again at the USGS Arizona site on approximately May 22, 1989. Work in G-Tunnel is scheduled to begin tentatively on July 1, 1989.
  - Intact Fracture: Phase II work is scheduled to begin tentatively on June 14, 1989.
  - Drill Hole Instrumentation: No work other than data collection is planned in the near future.
  - Wet and Dry Drilling: No work other than data collection is planned in the near future.
  - In-situ Stress: Continue 6-inch overcoring.
  - Controlled Blasting: Readiness review is scheduled for June 12, 1989. Sign off the QALA for the Controlled Blasting Test.

- Blast effects: Readiness review is scheduled for May 31.
- Excavation Effects: Close Readiness Review actions.
- Perched Water: Drill an NQ hole in the laser drift approximately 80 feet total depth.

LANL - Diffusion: Continue and monitor solute injection in DH#2. Interact with TMO and REECO to develop draft test installation coring technical procedures.

SNL - Thermal Stress: Obtain an open work order.

#### PROBLEMS AND ISSUES:

None

#### EXPENDITURES

.Prototype Testing:	Work Days Remain	<u>107</u>	Expended	<u>61</u> %
.REECO: Current Week-Prototype Testing	\$	13,783	Year to Date	\$ 271,311
Current Week-G-Tunnel Operation	\$	16,549	Year to Date	\$ 662,017
.H&N: Current Week-Prototype Testing	\$	10,873	Year to Date	\$ 175,417
.F&S: Current Week-Prototype Testing	\$	*	Year to Date	\$ *

\*Information not available at the time of this report.