



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: February 14, 1989

SUBJECT: WEEKLY ACTIVITY REPORT, PROTOTYPE TESTING

Please find enclosed the above-referenced report received in this office, i.e., for week ending January 15, 1989.

PTP:nan
Enclosure

cc w/enc.: 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 - January 15, 1989

ACCOMPLISHMENTS

- .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 continues.
 - Mapping: Yucca Mountain Project approval of FR (Fran Ridge) work order delayed.
 - Intact Fracture: Continued coring experiments in Denver.
 - Rubble Coring: Moisture measurement equipment order.
- .LANL - Diffusion Test: Test in progress in DH #2 and DH #3. Test solute diffusion completed, overcoring waiting for delayed drilling equipment order. Drill rig repair is in progress.
- .SNL - Thermal Stress: Readiness review scheduled for February 13, 1989.

PLANNED WORK

- .LLNL - Engineered Barrier: Continue data acquisition on Horizontal Heater Test.
- .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: Schedule G-Tunnel Kick-Off Meeting and witness Diffusion Test overcoring.
 - 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: Consolidate related tests and obtain a Yucca Mountain Project Office approved 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.

.SNL - Thermal Stress: Tentative Readiness Review on February 13, 1989.

PROBLEMS/ISSUES

NONE

EXPENDITURES

.Prototype Testing:	Work Days Remain	<u>180</u>	Expended	<u>28</u> %
.REEC0:	Current Week-Prototype Testing	\$ 948	Year to Date \$	44,627
	Current Week-G-Tunnel Operation	\$ 23,353	Year to Date \$	273,166
.H&N:	Current Week-Prototype Testing	\$ 5,858	Year to Date \$	58,762
.F&S:	Current Week-Prototype Testing	\$ *	Year to Date \$	*

*Information not available at the time of this report.

WEEKLY ACTIVITY REPORT
PROTOTYPE TESTING
Week Ending - January 22, 1989

ACCOMPLISHMENTS

- .LLNL - Engineered Barrier: Continued data acquisition on the Horizontal Heater Test. Criteria letter for test overcoring support forwarded to Yucca Mountain Project Office.
- .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: Scheduled G-Tunnel Kick Off Meeting January 30, 1989.
 - Rubble Coring: Generated internal test requirements list. Field work must be completed by mid July, 1989. Criteria letter forwarded to Yucca Mountain Project Office.
- .LANL - Diffusion Test: Test in progress in DH #2. Pulled DH #3 instrument package out of hole in preparation for overcoring.
- .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: Witness Diffusion Test overcoring.
 - 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: Consolidate related tests and obtain a Yucca Mountain Project Office approved 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.
Overcoring too ASAP.

.SNL - Thermal Stress: Tentative Readiness Review on February 13,
1989.

PROBLEMS/ISSUES

NONE

EXPENDITURES

.Prototype Testing:	Work Days Remain	<u>176</u>	Expended	<u>29</u> %
.REECO: Current Week-Prototype Testing	\$	913	Year to Date \$	45,434
Current Week-G-Tunnel Operation	\$	16,634	Year to Date \$	289,800
.H&N: Current Week-Prototype Testing	\$	2,005	Year to Date \$	59,767
.F&S: Current Week-Prototype Testing	\$	*	Year to Date \$	*

*Information not available at the time of this report.