



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: December 21, 1989

SUBJECT: WEEKLY ACTIVITY REPORT, PROTOTYPE TESTING

Please find enclosed the above-referenced report received in this office, i.e., week ending November 25, 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 - November 25, 1989

Participants:

Los Alamos - Manage and Integrate Prototype Testing and conduct tests.

Sandia National Laboratories - Manage the operations at G-Tunnel and perform tests.

U. S. Geological Survey (U. S. Bureau of Reclamation, and Lawrence Berkeley Laboratory) - Perform tests.

Lawrence Livermore National Laboratory - Perform tests.

Holmes and Narver - Provide surveying and other support.

Fenix and Scisson of Nevada - Provide plans, test networks, and cost estimates.

REECo - Provide mining equipment, perform drilling and mining, and provide support labor.

Pan Am - Provide photographic support.

Key Prototype Activities for the Reporting Period:

USGS

Blast Effects:

Due to USGS travel restrictions, there was no work accomplished on this test during this reporting period.

Excavation Effects:

Due to USGS travel restrictions, there was no work accomplished on this test during this reporting period.

In Situ Stress:

Blast Alcove-U12G-#D - This hole is located 19 feet from the start of the blast alcove on the left rib. This hole is dry drilled to NQ diameter at a dip of 2 degrees. This hole was cored 46.7 feet to a total depth of 50.0 feet. Total core recovery was 98%. The core was sealed in lexan liner, boxed and prepared for shipment. REECo personnel are demobilizing the LY 38 drill rig. USGS personnel will begin logging and dilatometer measurements next week. This completes the drilling on hole U12G-#D.

SNL

G-Tunnel Drifting:

Stubb Drift - This drift is located 7 feet from the beginning of the Demo Drift on the right rib. REECO personnel completed dry drilling an 8 foot blast round in this drift. A jack-leg drill was used to complete drilling on this round because the drill-jumbo ruptured a hydraulic hose. Total depth of this heading is 32 feet from the centerline of the Demo Drift. REECO personnel will load and blast the drift round the beginning of the week.

General Comments:

1. REECO personnel are continuing clean up of the yard for an environmental inspection.
2. G-Tunnel was shut down for 2 days for the Thanksgiving holiday.

Scheduled Activities:

1. Thermal Stress - start December 11, 1989.
2. Prototype Air Coring, Phase II - start January 2, 1990.

EXPENDITURES:

.Prototype Testing:	Work Days Remain	<u>215</u>	Expendeds	<u>16</u>	%
.REECO: Current Week-Prototype Testing	\$	18,201	Year to Date	\$109,210	
Current Week-G-Tunnel Operation	\$	16,405	Year to Date	\$291,533	
.H&N: Current Week-Prototype Testing	\$	2,958	Year to Date	\$ 12,201	
.F&S: Current Week-Prototype Testing	\$	1,834	Year to Date	\$ 30,843	