



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

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TO: John J. Linehan, Section Leader, HLOB, M/S 4-H-3  
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative  
DATE: April 25, 1988  
SUBJECT: DOE WEEKLY REPORTS

Please find enclosed the above-referenced reports received in this office, i.e., for week ending April 8, 1988, and April 15, 1988.

The two reports submitted by Los Alamos National Laboratory, i.e., "Preliminary Geologic Map of the Lathrop Wells Volcanic Center" and "Petrography and Phenocryst Chemistry of Volcanic Units at Yucca Mountain, Nevada: A Comparison of Outcrop and Drill Hole Samples", have been requested. (Refer to 4/8/88 report, item II, 2nd paragraph).

I am looking into plans to deepen the north test pit at Fran Ridge. (Refer to 4/15/88 report, item II, 4th paragraph).

PTP:nan  
Enclosures  
cc: King Stablein w/enc.

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## Department of Energy

Nevada Operations Office  
P. O. Box 98518  
Las Vegas, NV 89193-8518

APR 14 1988

Stephen H. Kale, Associate Director, Geologic Repositories, HQ (RW-20) FORS

### NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING APRIL 8, 1988

#### I. Critical Items Status

##### A. Site Characterization Plan (SCP)

There was a briefing and kickoff meeting for the Phase 1 SCP review for project-level Working Groups (WGs) 5 and 6 (assigned to the SCP Completion Process) in Las Vegas, Monday, April 4-5.

The weekly Integration Group (IG) telecon was held Tuesday, April 5, to finalize the agenda for the IG meeting in Denver, April 7-8. At the IG meeting, the group reviewed the results of the Phase 1 analyses completed this week by WGs 1 through 4. Also completed were the instructions for the Phase 2 analyses briefing of the WG co-chairpersons on the Phase 2 process and schedule.

Project review was completed on two Study Plans which were then sent to U.S. Department of Energy/Headquarters (DOE/HQ) for review: (1) Study 8.3.1.2.3.1, Characterization of the site saturated zone ground-water flow system; and, (2) Study 8.3.4.2.4.1, Characterize chemical and mineralogical changes in the post-emplacement environment.

Project comments on the DOE/HQ Approval Procedure for SCP Study Plans, were provided to staff at Weston. Comments on the U.S. Nuclear Regulatory Commission (NRC) Draft Review Plan for review of SCP Study Plans were provided to the DOE/HQ.

##### B. Core Sample Management

The Sample Overview Committee (SOC) met Tuesday, April 5 in Las Vegas, NV. The SOC charter has now been finalized and awaits signoff by the appropriate project officials. The committee also discussed (1) the administrative procedure for the Sample Management Facility; (2) projected drilling plans for fiscal year (FY) 1988 and FY 1989; and (3) problems with dry coring below 500 ft.

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## II. Significant Accomplishments/Information Items

The NRC Interaction meeting on SCP performance assessment has completed Milestone R056. A set of clarifying questions on performance assessment prepared by Sandia National Laboratories also fulfilled the Milestone's call for supporting information.

Two reports were submitted by Los Alamos National Laboratory to the Waste Management Project Office (WMPO) for review. "Preliminary Geologic Map of the Lathrop Wells Volcanic Center" and "Petrography and Phenocryst Chemistry of Volcanic Units at Yucca Mountain, Nevada: A Comparison of Outcrop and Drill Hole Samples" fulfill Milestones T164 and R597.

Dry runs for the Alternate Conceptual Models Workshop were held in Denver, April 4 and April 7. These working sessions were attended by project-level and DOE/HQ-level staff members.

The first workshop for the seismic design cost-benefit assessment was held April 5-6, in Las Vegas.

The NNWSI Project peer review group on the Szymanski report met April 8, in Las Vegas.

Review meetings continued this week on the budget submittal for the Fiscal Year 1990 Work Authorization System.

## III. Upcoming Events

### A. Coordinating Group Meetings

None to report.

### B. HQ Meetings

None to report.

### C. Internal Project and DOE/Nevada Operations Office (NV) Meetings

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
Tuesday, April 12	Interface Control Working Group Meeting	Las Vegas, NV	D. Irby, WMPO
Tuesday, April 19	DOE/NV Manager's Meeting	Las Vegas, NV	V. Davis, WMPO
Wednesday, April 20	Project Manager and Technical Project Officers Meeting	Las Vegas, NV	J. Fiore, SAIC
Tuesday, May 10	Sample Overview Committee Meeting	Las Vegas, NV	U. Clanton, WMPO

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**D. State and Public Interaction**

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
Monday, April 11	Section 175 Report Briefing	Reno, NV	E. Lundgaard, WMPO
Monday-Friday April 11-15	Conceptual Model Workshop	Las Vegas, NV.	J. Younker, SAIC

**E. U.S. Nuclear Regulatory Commission Interaction**

None to report.

**F. Other**

Tuesday, April 12	Project Manager speaks before Henderson Rotary Club	Henderson, NV	V. Davis, WMPO
Thursday, April 14	Project Manager speaks before American Society of Mechanical Engineers Meeting	Las Vegas, NV	V. Davis, WMPO
Thursday, April 14	Project Manager speaks before Science Now participants	Las Vegas, NV	V. Davis, WMPO
Monday, April 18	Project Manager will participate in panel debate on KUNV Radio Station with the Nevada Nuclear Waste Task Force	Las Vegas, NV	V. Davis, WMPO
Tuesday, April 19	Project Manager speaks before the Environmental Radio- activity Study Group of the University of Washington	Seattle, WA	V. Davis, WMPO


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F. Other (cont.)

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
Monday, May 2	Project Manager speaks at Amargosa Valley town meeting	Amargosa Valley, NV	V. Davis, WMPO
Tuesday, May 3	Project Manager speaks before Ameri- can Society of Civil Engineers	Las Vegas, NV	V. Davis, WMPO
Tuesday, May 3	Project Manager speaks at Las Vegas town meeting	Las Vegas, NV	V. Davis, WMPO
Thursday, May 5	Project Manager speaks at Reno town meeting	Reno, NV	V. Davis, WMPO
Friday, May 6	Project Manager speaks before the U.S. Environmental Protection Agency	Las Vegas, NV	V. Davis, WMPO

  
Carl P. Gertz, Project Manager  
Waste Management Project Office

WMPO:SAC-1772



## **Department of Energy**

Nevada Operations Office

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**APR 20 1988**

**Stephen H. Kale, Associate Director, Geologic Repositories, HQ (RW-20) FORS**

**NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS  
FOR THE WEEK ENDING APRIL 15, 1988**

### **I. Critical Items Status**

#### **A. Site Characterization Plan (SCP)**

A briefing and kick-off meeting of the Integration Group (IG) for the Phase 1 Rollup process was held on Monday, April 11 and member responsibilities were assigned. The Phase 1 Rollup involves processing of the Phase 1 criteria forms developed by the Working Groups (WGs) for each activity listed in the SCP/Consultation Draft (CD). The end result of this process is the categorization of each SCP/CD activity as high, medium, or low priority.

Phase 2 scheduling work being initiated by the WGs was discussed in a teleconference on Tuesday, April 12. This logic will be the basis for subsequent Phase 2 work by the WGs which will begin at the kick-off meeting to be held in Las Vegas April 19-20.

Project level revisions to three study plans were completed and the plans were forwarded to the U.S. Department of Energy/Headquarters (DOE/HQ) for approval. The plans were: (1) Study Plan 8.3.1.2.2.2, Chlorine 36; (2) Study Plan 8.3.1.4.2.2, Structural Features; and (3) Study Plan 8.3.1.15.2.1, Ambient Stress.

Study Plan 8.3.1.3.2.2, Alteration History, was submitted for project-level review.

#### **B. Core Sample Management**

The initial inventory process for transferring core sample materials from the U.S. Geological Survey (USGS) to the Sample Management Facility (SMF) was started. This process used the approved USGS procedures and the appropriate quality assurance personnel were in attendance. A WMPO representative traveled to NASA's Houston Space Center and the Texas Bureau of Economic Geology Core Library in Austin, Texas, to observe sample curating techniques.

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Uel Clanton, Steve Leedom, Waste Management Project Office (WMPO), Nick Stellavato and Dow Davidson, Science Applications International Corporation (SAIC), met with Bob Barner, Nevada Test Site Office, and Ted Mendenhall, Reynolds Electrical & Engineering Co., Inc., regarding the schedule for completion of the modifications to Warehouse 1 and 2 in Area 25, Nevada Test Site. Both buildings should be completed by the end of April, except for the installation of the walk-in cooler in Warehouse 1. The walk-in cooler is scheduled to be delivered in early June and installation is scheduled for mid-June. Bob Barner agreed that beneficial occupancy by Sample Management Facility (SMF) staff could occur prior to the installation of the walk-in cooler. It is anticipated that SMF staff will move in the first week in May.

The remaining core in Warehouse 2 is being moved into R-MAD. The installation of the core racks will start in Warehouse 2 the week of April 17, 1988.

## II. Significant Accomplishments/Information Items

Final corrections and revisions were made to the Fiscal Year 1990 Work Authorization System (WAS). Twenty copies of the WAS were hand-delivered to DOE/HQ on Friday.

The NNWSI Project completed a dry run Exploratory Shaft Facility (ESF) Budget Validation presentation on Wednesday with representatives from DOE/HQ. This activity is in preparation for the actual presentation to be given in Las Vegas, Nevada, on April 27.

Workshops were held this week to review conceptual models of the Yucca Mountain Ground Water System. Representatives from the U.S. Nuclear Regulatory Commission, the State of Nevada and their subcontractors, WMPO, and the project participants were present. The NNWSI Project presented a conceptual hydrological model of the Yucca Mountain Ground Water System and other models as proposed by the meeting participants were discussed.

Plans are being made to deepen the north test pit at Fran Ridge. Los Alamos National Laboratory will participate by sampling the muck and Sandia National Laboratories will install instrumentation to monitor the blast. Actual prototype testing in the pits may be delayed until late May due to permit requirements.

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On Tuesday, Carl Gertz, Project Manager, WMPO, spoke before the Henderson Rotary Club in Henderson, Nevada. Mr. Gertz also gave presentations to the American Society of Mechanical Engineers and the Science Now participants on Thursday in Las Vegas, Nevada. On Friday, Mr. Gertz was interviewed by a reporter from the Hartford Courant (Connecticut) newspaper.

### III. Upcoming Events

#### A. Coordinating Group Meetings

None to report.

#### B. HQ Meetings

None to report.

#### C. Internal Project and DOE/Nevada Operations Office (NV) Meetings

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
Tuesday, April 19	DOE/NV Manager's Meeting	Las Vegas, NV	V. Davis, WMPO
Tuesday, May 3	Interface Control Working Group meeting	Las Vegas, NV	D. Irby, WMPO
Tuesday, May 3	Sample Overview Committee Meeting	Las Vegas, NV	U. Clanton, WMPO
Wednesday, May 4	Project Manager and Technical Project Officers Meeting	Las Vegas, NV	J. Fiore, SAIC

#### D. State and Public Interaction

None to report.

#### E. U.S. Nuclear Regulatory Commission Interaction

None to report.

#### F. Other

Monday, April 18	Project Manager will participate in panel debate on KUNV Radio Station with the Nevada Nuclear Waste Task Force	Las Vegas, NV	V. Davis, WMPO
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Stephen H. Kale

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F. Other (continued)

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
Tuesday, April 19	Project Manager speaks before the Environmental Radio- activity Study Group of the University of Washington	Seattle, WA	V. Davis, WMPO
Monday, May 2	Project Manager speaks at Amargosa Valley town meeting	Amargosa Valley, NV	V. Davis, WMPO
Tuesday, May 3	Project Manager speaks before Ameri- can Society of Civil Engineers	Las Vegas, NV	V. Davis, WMPO
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 Carl P. Gertz, Project Manager  
 Waste Management Project Office

WMPO:SAC-1834