



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  
John W. Gilray, Sr. On-Site Licensing Representative

DATE: June 8, 1990

SUBJECT: DOE WEEKLY REPORT

Please find enclosed the above-referenced report (2), received in this office, i.e., week ending May 25, 1990, and June 1, 1990. There is nothing of any particular significance other than a comment I have made on page three of the May 25 report.

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cc w/encs.: King Stablein, M/S 4-H-3  
Harold R. Denton, M/S 17-F-2  
Dean Kunihiro, Region 5

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## Department of Energy

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

MAY 30 1990

WBS 1.2.9  
QA: N/A

Lake H. Barrett, Acting Associate Director, Facilities Siting and Development,  
HQ (RW-20) FORS

### YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING MAY 25, 1990

#### I. Critical Item Status

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

Review comments for Yucca Mountain Project Administrative Procedure, AP-2.4, "Participant Input to the Technical Status Report on Site Characterization," Revision 0, are being reviewed in preparation for comment resolution.

##### SCP Comments

The technical review of public questions and comments made during the March-April 1990 Public Update Meetings is nearing completion. Comments received from the Office of Civilian Radioactive Waste Management (OCRWM) are being incorporated.

##### SCP Study Plan Status: May 25, 1990

The U.S. Geological Survey submitted revised Priority Level 1 Study Plan 8.3.1.2.3.1.1-6, "Characterization of Site Saturated Ground Water Flow System," for Yucca Mountain Project Office (Project Office) and U.S. Department of Energy/Headquarters (DOE/HQ) review. Comment response verification is scheduled to begin next week.

A comment resolution meeting for Priority Level 1 Study Plan 8.3.1.17.4.1, "Historical and Current Seismicity," has been scheduled for June 19-20, 1990, in Denver, Colorado.

Comments made by the DOE/HQ on Priority Level 2 Study Plan 8.3.1.3.6.1, "Dynamic Transport Column Experiments," were received and transmitted to the author for consideration.

Comment verification was completed for Study Plans 8.3.1.15.1.1, "Lab Thermal Properties," and 8.3.1.15.1.2, "Lab Thermal Expansion Testing."

STUDY PLAN BREAKDOWN

Project Office Acceptance Review. . .	0
Revision. . . . .	1
Project Review. . . . .	0
Post-Project Office Revision. . . .	0
Parallel Project Office/HQ Review . .	12
HQ Review (Project Office Review	
complete) . . . . .	0
Awaiting comment resolution . . . .	10
Post HQ Revision. . . . .	4
Project Office/HQ Audit . . . . .	10
NRC Acceptance Review . . . . .	7
Revision . . . . .	0
NRC Start-Work Review . . . . .	0
Revision . . . . .	0
NRC Acceptance . . . . .	2
Total . . . . .	46

B. Core Sample Management

Sample Management Facility personnel continued processing prototype core and cuttings from the Apache Leap, Arizona, site.

C. Quality Assurance

The integrated OCRM/Yucca Mountain Project Quality Assurance Requirements Document and the Quality Assurance Program Description were submitted for U.S. Nuclear Regulatory Commission (NRC) review and approval on April 13, 1990. Comments should be received from the NRC by June 1, 1990.

D. Exploratory Shaft Facility (ESF)

A draft network for the restart of ESF Title II Design was prepared for presentation at the June 4, 1990, off-site meeting to be held in Mesquite, Nevada. The purpose of the meeting will be to verify the documentation of the management process and to ensure that NRC and DOE requirements have been met.

Draft revisions of the ESF Requirements Document were reviewed in support of Milestone YK04M, Draft Revision of ESF Requirements. The milestone is scheduled for completion on June 29, 1990.

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**E. Project Planning and Control System (PACS)**

Initial development of the PACS Scheduling Module System Administration functions was completed. Output functions are 50 percent complete.

The PACS participants are scheduled to attend a follow-up meeting on June 5, 1990, to review and develop the PACS implementation schedule.

**F. Environmental Permitting**

The Project Office review of the first Environmental Monitoring and Mitigation Plan Progress Report was completed. The report, which covers monitoring activities from September 15, 1988, to September 30, 1989, is scheduled for submittal to the DOE/HQ next week.

**G. Nuclear Waste Technical Review Board Meetings and Interactions**

No significant interactions to report.

**II. Significant Accomplishments/Information Items**

Preparations continued for the May 30-31, 1990, presentation to the National Academy of Sciences panel. Topics will include discussions on the coupled hydrologic/tectonic/hydrothermal processes at Yucca Mountain. *Szymanski report was part of this meeting.*

Planning for the upcoming June 12-13, 1990, NRC technical exchange (TE) on significant faulting continued. The agenda for the June 19, 1990, TE on design control is being revised. A second teleconference is scheduled for June 5, 1990, to discuss the revisions with the NRC and the State of Nevada.

**III. Upcoming Events**

Please note that the usage of "(P)" in the Upcoming Events Calendar indicates that the event is open to the public.

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
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**A. Coordinating Group Meetings**

None.

MAY 30 1990

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
<b>B. <u>HQ Meetings</u></b>			
Thursday, June 14	ESAAP Briefing	Washington, DC	C. Gertz, Project Office
Thursday, June 21	Program Management meeting	Las Vegas, NV	C. Gertz, Project Office
<b>C. <u>Internal Project and DOE/Nevada Operations Office meetings</u></b>			
Friday, June 1	TPO meeting	Las Vegas, NV	C. Gertz, Project Office
<b>D. <u>State and Public Interactions</u></b>			
Sunday - Thursday, June 10-14	1990 American Nuclear Society Annual Meeting	Nashville, TN	C. Gertz, Project Office
Tuesday- Friday, June 12-15	International Sympo- sium on Unique Under- ground Structures (P)	Golden, CO	C. Gertz, Project Office
Thursday, June 21	Boys State - The American Legion	Reno, NV	C. Gertz, Project Office
Thursday, July 26	Diabetes Assoc.	Las Vegas, NV	C. Gertz, Project Office
Wednesday, August 15	Society of American Military Engineers	San Bernadino, CA	C. Gertz, Project Office
Monday - Wednesday, August 27-29	Columbia University	New York, NY	C. Gertz, Project Office
Wednesday - Friday, October 3-5	Spectrum '90 Nuclear & Hazardous Waste Management Int'l Topical Meeting	Knoxville, TN	C. Gertz, Project Office

MAY 30 1990

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
<b>E. <u>Yucca Mountain Project Tabletop Exhibit Showings (P)</u></b>			
Thursday-Sunday, May 31-June 3	Annual Las Vegas Home Show	Las Vegas, NV	B. Reilly, T&MSS
<b>F. <u>NRC Interactions</u></b>			
Wednesday, May 30	Regulatory Strategy meeting	Rockville, MD	M. Blanchard, Project Office
Tuesday-Wednesday, June 12-13	TE on Significant Faulting	Las Vegas, NV	D. Dobson, Project Office
Tuesday, June 19	TE on the Design Control Process	Rockville, MD	E. Petrie, Project Office
<b>G. <u>Other</u></b>			
Tuesday-Wednesday, July 24-25	NWTRB Structural Geology and Geoen지니어링 Panel technical information exchange on ESF Alternatives, SBT, Calico Hills, and ATLAS	Atlanta, GA	M. Blanchard, Project Office



Carl P. Gertz, Project Manager  
Yucca Mountain Project Office

YMP:DLH-3469



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Nevada Operations Office  
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JUN 04 1990

WBS 1.2.9  
QA: N/A

Lake H. Barrett, Acting Associate Director, Facilities Siting and Development,  
HQ (RW-20) FORS

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING JUNE 1, 1990

### I. Critical Item Status

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

Final preparations are underway for the comment resolution of Yucca Mountain Project Administrative Procedure, (AP)-2.4, "Participant Input to the Technical Status Report on Site Characterization," Revision 0.

#### SCP Comments

The technical review of public questions and comments made during the March-April 1990 Public Update Meetings has been completed. No new technical issues relative to site characterization were raised.

#### SCP Study Plan Status: June 1, 1990

The initial comment resolution phase for Priority Level 1 Study Plan 8.3.1.2.2.6, "Characterization of Gas Phase Movement in the Unsaturated Zone," is being conducted through the mail. Revised text has been forwarded to reviewers to determine whether an actual meeting is necessary to resolve certain questions. If the revisions are deemed satisfactory, the process will move directly into the verification phase.

The U.S. Department of Energy/Headquarters (DOE/HQ) completed the comment verification of Priority Level 1 Study Plan 8.3.1.2.1.2, "Characterization of the Yucca Mountain Regional Surface-Water Runoff and Streamflow."

The Yucca Mountain Project Office (Project Office) has received DOE/HQ comments for Priority Level 1 Study Plans 8.3.1.2.1.3, "Characterization of the Regional Ground Water Flow System," and 8.3.1.2.2.1, "Characterization of Unsaturated Zone Infiltration."

STUDY PLAN BREAKDOWN

Project Office Acceptance Review. . .	0
Revision. . . . .	1
Project Review. . . . .	0
Post-Project Office Revision. . . .	0
Parallel Project Office/HQ Review . .	10
HQ Review (Project Office Review complete) . . . . .	0
Awaiting comment resolution . . . .	12
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NRC Acceptance Review . . . . .	7
Revision . . . . .	0
NRC Start-Work Review . . . . .	0
Revision . . . . .	0
NRC Acceptance . . . . .	2
 Total . . . . .	 46

B. Core Sample Management

Sample Management Facility personnel continued processing prototype core and cuttings from the Apache Leap, Arizona, site.

A display and presentation on processing Apache Leap core was given to Congressional staff members, and to DOE/HQ and Project Office representatives.

C. Quality Assurance

The integrated Office of Civilian Radioactive Waste Management/Yucca Mountain Project Quality Assurance Requirements Document and the Quality Assurance Program Description were submitted for review and approval by the U.S. Nuclear Regulatory Commission (NRC) on April 13, 1990. No comments have been received to date.

D. Exploratory Shaft Facility (ESF)

A draft network for the restart of ESF Title II Design was updated to reflect additional Project Office comments. The network will be presented at the June 4, 1990, off-site meeting to be held in Mesquite, Nevada. The purpose of the meeting will be to verify the documentation of the management process and to ensure that NRC and DOE requirements have been met.

JUN 04 1990

A comment resolution meeting was held to review the ESF Requirements Document. The document is being developed in support of Milestone YK04M, Draft Revision of ESF Requirements. The milestone is scheduled for completion on June 29, 1990.

E. Project Planning and Control System (PACS)

The meeting agenda for the June 5, 1990, PACS Implementation meeting was finalized. The primary purpose of the meeting is to provide participants with planning guidance for the development of the Fiscal Year 1991 Performance Measurement Baseline and for updating the Long-Range Plan/Integrated Project Schedule.

F. Environmental Permitting

The Endangered Species Act Section 7 consultation with the U.S. Fish and Wildlife Service concerning the desert tortoise was completed. Letters were sent to the U.S. Army Corps of Engineers and to the Bureau of Land Management announcing the successful completion of the consultation. This completion enables the agencies to process the Section 404 Permit Application and the Special Use Permit Application, respectively.

G. Nuclear Waste Technical Review Board Meetings and Interactions

No significant interactions to report.

II. Significant Accomplishments/Information Items

The monthly Project Manager-Technical Project Officer meeting was held on June 1, 1990, in Las Vegas, Nevada. The meeting included discussions on the current status of surface-based testing, prototype drilling, ESF alternatives, and alternate licensing strategies. The next meeting is tentatively scheduled for June 29, 1990.

The monthly planning and budget meeting has been tentatively scheduled for June 28, 1990, in Las Vegas, Nevada.

Project staff gave seven presentations at the May 30-31, 1990, meeting with the National Academy of Sciences panel. Topics included discussions on the coupled hydrologic/tectonic/hydrothermal processes at Yucca Mountain.

The NRC Regulatory Strategy meeting, originally scheduled for May 30, 1990, has been postponed until the week of June 18, 1990. The upcoming June 19, 1990, NRC Technical Exchange (TE) on design control has been tentatively rescheduled for August 1990.

JUN 04 1990

III. Upcoming Events

Please note that the usage of "(P)" in the Upcoming Events Calendar indicates that the event is open to the public.

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
<b>A. <u>Coordinating Group Meetings</u></b>			
None.			
<b>B. <u>HQ Meetings</u></b>			
Thursday, June 14	ESAAP Briefing	Washington, DC	C. Gertz, Project Office
Thursday, June 21	Program Management meeting	Las Vegas, NV	C. Gertz, Project Office
<b>C. <u>Internal Project and DOE/Nevada Operations Office meetings</u></b>			
Friday, June 29 (tentative)	PM-TPO meeting	Las Vegas, NV	C. Gertz, Project Office
<b>D. <u>State and Public Interactions</u></b>			
Sunday - Thursday, June 10-14	1990 American Nuclear Society Annual Meeting	Nashville, TN	C. Gertz, Project Office
Tuesday - Friday, June 12-15	International Sympo- sium on Unique Under- ground Structures (P)	Golden, CO	C. Gertz, Project Office
Thursday, June 21	Boys State - The American Legion	Reno, NV	C. Gertz, Project Office
Monday, June 25	Group from Government of Australia	Las Vegas, NV	C. Gertz, Project Office
Thursday, July 26	Diabetes Association	Las Vegas, NV	C. Gertz, Project Office
Wednesday, August 15	Society of American Military Engineers	San Bernadino, CA	C. Gertz, Project Office

JUN 04 1990

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
<b>D. <u>State and Public Interactions (continued)</u></b>			
Monday - Wednesday, August 27-29	Columbia University	New York, NY	C. Gertz, Project Office
Wednesday - Friday, October 3-5	Spectrum '90 Nuclear & Hazardous Waste Management Int'l Topical Meeting	Knoxville, TN	C. Gertz, Project Office
<b>E. <u>Yucca Mountain Project Tabletop Exhibit Showings (P)</u></b>			
Thursday - Sunday, May 31-June 3	Annual Las Vegas Home Show	Las Vegas, NV	B. Reilly, T&MSS
<b>F. <u>NRC Interactions</u></b>			
Tuesday - Wednesday, June 12-13	TE on Significant Faulting	Las Vegas, NV	D. Dobson, Project Office
Monday, June 18	Regulatory Strategy meeting	Rockville, MD	M. Blanchard, Project Office
August (tentative)	TE on the Design Control Process	Rockville, MD	E. Petrie, Project Office

JUN 04 1990

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
G. <u>Other</u>			
Tuesday - Wednesday, July 24-25	NWTRB Structural Geology and Geoen- gineering Panel tech- nical information exchange on ESF Alternatives, SBT, Calico Hills, and ATLAS	Atlanta, GA	M. Blanchard, Project Office



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YMP:DLH-3531