



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

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TO: John J. Linehan, Director, HLPD
FROM: Paul T. Prestholt and John W. Gilray
Sr. On-Site Licensing Representatives
DATE: September 6, 1990
SUBJECT: DOE WEEKLY REPORT

Please find enclosed the above-referenced report received in this office, i.e., week ending August 24, 1990. There is nothing of any particular significance in this 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

Yucca Mountain Project Office
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WBS 1.2.9

QA: N/A

AUG 28 1990

John W. Bartlett, Director, Office of Civilian Radioactive Waste Management,
HQ (RW-1) FORS

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING AUGUST 24, 1990

I. CRITICAL ITEM STATUS

A. Site Characterization Planning

Midway Valley Trenching

The Quality Assurance (QA) Grading Package, "Preparation of the Midway Valley and Calcite-Silica Activities Document," was accepted by the Quality Review Board.

The "Plan for Development of the Midway Valley and Calcite-Silica Activity Requirements," was approved by the Yucca Mountain Project Office (Project Office).

Site Characterization Plan (SCP) Progress Reports

A guidance letter for participant input to the next Site Characterization Progress Report is in Project Office concurrence. In addition, Administration Procedure-2.4, which defines the requirements for participant input to the Technical Status Report, Revision 0, has been approved.

SCP Comments

Response packages for the U.S. Nuclear Regulatory Commission (NRC) and State of Nevada comments pertaining to Midway Valley and Quaternary Regional Hydrology Study Plans are being developed. The SCP Comment and Response Status database is being used to search for previous responses to state comments which remain applicable to their new SCP comments.

State of Nevada SCP comments on these two Study Plans will be addressed using the process outlined above but on an accelerated schedule from that currently in place for responding to the bulk of the state's SCP comments.

SCP Study Plan Status: August 24, 1990

A screening review of Priority Level 3 Study Plan 8.3.1.17.3.1, "Relevant Earthquake Sources," was completed.

A comment resolution meeting was held for Priority Level 1 Study Plan 8.3.1.2.3.1, "Characterization of the Regional Ground-Water Flow System," on August 22-23, 1990, in Washington, D.C.

Project approval signatures were obtained for Priority Level 1 Study Plan 8.3.1.2.1.2, "Characterization of Runoff and Streamflow," and Priority Level 3 Study Plan 8.3.1.15.1.2, "Lab Thermal Expansion Testing." The Study Plans were submitted to Document Control for controlled distribution.

STUDY PLAN BREAKDOWN

Project Office Acceptance Review . . .	0
Revision	1
Project Review	0
Post-Project Office Revision	0
Parallel Project Office/HQ Review . . .	13
HQ Review (Project Office Review complete)	0
Awaiting comment resolution	10
Post HQ Revision	6
Project Office/HQ Audit	12
NRC Acceptance Review	8
Revision	0
NRC Start-Work Review	0
Revision	0
NRC Acceptance	2
 Total	 52

Exploratory Shaft Facility (ESF) Alternative and Calico Hills Studies

Change Request, "Proposed Revisions to the ESF Subsystems Design Requirements Document (SDRD)," Revision 1, was accepted, with conditions, by the Change Control Board. The ESF SDRD, Revision 1, provides for the implementation of most recent codes and standards in the design process and also defines participant responsibility for the development of quantitative requirements. The conditions include the reinsertion of the functional analysis and a comparison of the draft Midway Valley and Calcite/Silica Activities Requirements Document with the ESF SDRD, Revision 2.

A draft schedule for the ESF Alternatives Study has been developed. The draft includes workarounds to reduce schedule impacts for the Calico Hills priority access.

The total number of options to be scored is 34. Scoring activities are five percent complete. The reduction in percent complete reflects an increase in the number of influence diagrams to be used in the scoring process.

OPTIONS STATUS

	Number Completed	Total
Influence Diagrams	19	20
Scoring Activities	34	680

Surface Base Testing (SBT) Prioritization

The SBT-P core team continued development of the code supporting the prioritization effort, including work on the following aspects:

- Unsaturated Zone Flow Model
- Source Term Model
- Sampling Techniques for Probability Distributions

The core team will meet with the Golder Suitability Team in Seattle, Washington, on Tuesday, August 28, 1990, to exchange ideas and information.

William Wilson, U.S. Geological Survey representative to the core team, will retire August 31, 1990. No replacement has yet been nominated.

Alternatives to License Application Strategies (ATLAS)

The Office of Civilian Radioactive Waste Management (OCRWM) review comments on the ATLAS Draft Final Report are late. All comments were due into the Project Office on August 17, 1990. To date only RW-10 has provided comments. The S-1 milestone of an ATLAS Final Report to RW-1 has been postponed by the U.S. Department of Energy/Headquarters (DOE/HQ) from September 1, 1990, to November 1, 1990, due to a revised evaluation strategy for the document.

AUG 28 1990

John W. Bartlett

-4-

B. Environmental and Socioeconomic Programs

The Socioeconomic Monitoring Program Quarterly Data Report for the period from April through June 1990 will be released to the state and local governments the week of August 27, 1990.

Efforts continue to define the environmental requirements, including reclamation measures, to be incorporated into the Midway Valley requirements document.

C. Field Operations

Project staff completed a management review on Field Change Control.

D. Project Planning and Control

Project staff completed the production and distribution of Planning and Control System performance measurement products to the Project Office, project participants, and the Technical and Management Support Services Integration Teams.

E. QA Implementation

The integrated OCRWM/Yucca Mountain Project Quality Assurance Requirements Document (QARD) and the Quality Assurance Program Description (QAPD) were submitted for review to the U.S. Nuclear Regulatory Commission (NRC) on April 13, 1990. Comments were received on June 1, 1990. Comment resolution with the NRC has been completed. The QARD and the QAPD are scheduled to be reviewed by DOE/HQ and project personnel next week. Upon completion of this review, the documents will be forwarded to the NRC.

F. Major Oversight Group Meetings

Viewgraphs for the August 28-29, 1990, briefing to the Nuclear Waste Technical Review Board (NWTB) Engineered Barrier Panel were completed and returned to the presenters for final review.

G. Public Outreach Activities

Project institutional staff handled logistics and prepared briefing packages for a Project Manager presentation to the Las Vegas Board of Realtors in Las Vegas, Nevada, on August 24, 1990.

Project Office representatives staffed the project table-top exhibit at the Nevada League of Cities meeting in Lovelock, Nevada, on August 23-25, 1990.

A tracking system has been finalized for a Project Speakers' Bureau.

H. Washington, D.C., Activities

The 10 CFR Part 72 Regulatory Compliance Document was reviewed.

Input was prepared for the the Geologic Disposal section of the OCRWM Annual Report to Congress for fiscal years 1989 and 1990.

The Mined Geologic Disposal System Project Program Plan was revised to reflect the new organization. The revised draft is scheduled for completion in August 1990.

Staff continued the review of the NRC "Draft Technical Position on Regulatory Considerations in the Design and Construction of the Exploratory Shaft Facility."

II. Significant Accomplishments/Information Items

The Project Office-approved Waste Package Plan (WPP) will be available for the August 28-29, 1990, NWTRB briefing. Uncontrolled copies of the WPP have been forwarded to the NWTRB.

The Project Office completed an agreement with the Society of Mining Engineers to co-sponsor the Spring 1991 International Conference on High-Level Radioactive Waste Management.

Regulatory and Site Evaluation Division is conducting a program review at Lawrence Livermore National Laboratory on August 22, 1990. Topics include performance assessment, near-field environment characterization, hydrology, and geochemistry activities and capabilities.

III. Upcoming Events Calendar

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

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
A. <u>DOE/HQ Meetings</u>			
Tuesday, August 28	Topical Senior Management Meeting	Washington, DC	C. Gertz, Project Office
Thursday, August 30	Program Management Meeting	Washington, DC	C. Gertz, Project Office

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
A. <u>DOE/HQ Meetings (continued)</u>			
Wednesday, September 26	Program Management Meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, October 25	Program Management Meeting	Washington, DC	C. Gertz, Project Office
B. <u>Internal Project and DOE/NV meetings</u>			
Thursday, September 6	Planning and Budget Meeting	Las Vegas, NV	C. Gertz, Project Office
Friday, September 7	PM-TPO Meeting	Las Vegas, NV	C. Gertz, Project Office
C. <u>State and Public Interactions</u>			
Wednesday, August 29	Columbia University- H. Krumb School of Mines	New York, NY	C. Gertz, Project Office
Friday, August 31	Beatty Community Center	Beatty, NV	A. Robison, Project Office
Thursday, September 13	Public Education Program	Las Vegas, NV	A. Robison, Project Office
Tuesday, September 18	National Academy of Sciences Symposium on Radioactive Waste Repository Licensing	Washington, DC	C. Gertz, Project Office
Tuesday, October 2	Spectrum '90 Nuclear & Hazardous Waste Management Internat'l Topical Meeting	Knoxville, TN	C. Gertz, Project Office
Tuesday, October 23	Topical Symposium Environmental Radia- tion & Public Policy	Las Vegas, NV	C. Gertz, Project Office

AUG 28 1990

John W. Bartlett

-7-

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
C. <u>State and Public Interactions (continued)</u>			
Wednesday, November 7	Public Update Meeting	Hawthorne, NV	C. Gertz, Project Office
Thursday, November 8	Public Update Meeting	Amargosa, NV	C. Gertz, Project Office
Monday - Friday, November 12-16	1990 American Nuclear Society Meeting	Washington, DC	C. Gertz, Project Office
Tuesday, November 20	Public Update Meeting	Henderson, NV	C. Gertz, Project Office
D. <u>Yucca Mountain Project Tabletop Exhibit Showings (P)</u>			
Friday - Monday, August 31- September 3	Pioche Labor Day Festival	Pioche, NV	M. Powell, Project Office
Friday - Sunday, September 14-16	Pahrump Harvest Festival	Pahrump, NV	M. Powell, Project Office
Thursday - Sunday, September 27-30	Women of the '90s Show	Las Vegas, NV	M. Powell, Project Office
Friday - Sunday, September 28 - October 7	Las Vegas Jaycees State Fair	Las Vegas, NV	M. Powell, Project Office
Thursday - Saturday, October 4-6	Nevada Library Association	Ely, NV	M. Powell, Project Office
Friday - Sunday, October 12-14	Southern Nevada Home Expo	Las Vegas, NV	M. Powell, Project Office
Friday - Sunday, October 26-28	Fair Show '90 - Clark County Community College	N. Las Vegas, NV	M. Powell, Project Office

AUG 28 1990

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>Yucca Mountain Project Tabletop Exhibit Showings (P) (continued)</u>			
Wednesday, October 31	Nevada Day Celebration	Las Vegas, NV	M. Powell, Project Office
Friday - Sunday, November 2-4	Henderson Expo	Henderson, NV	M. Powell, Project Office
Friday - Saturday, November 16-17	Nevada State Teachers Association	Elko, NV	M. Powell, Project Office
E. <u>NRC Interactions</u>			
Thursday, September 13	TE on Radionuclide Retardation and Modeling	Los Alamos, NM	M. Blanchard, Project Office
Wednesday - Thursday, September 26-27	TE on Unsaturated Zone Hydrology and Hydrochemistry Testing	Denver, CO	M. Blanchard, Project Office
Friday, October 12	TE on SBT Prioritization in Calico Hills	TBD	A. Simmons, Project Office
Thursday - Friday, November 8-9	TE on Calico Hills Risk-Benefit Analysis	Denver, CO	A. Simmons, Project Office
F. <u>NWIRB Interactions</u>			
Tuesday - Wednesday, August 28-29	EBS Panel Technical Information Exchange on the WPP	Pleasanton, CA	M. Cloninger, Project Office
Tuesday - Wednesday, September 11-12	Radionuclide Sorptions Workshop	Los Alamos, NM	M. Blanchard, Project Office

AUG 28 1990

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
<u>F. NWIRB Interactions (continued)</u>			
Thursday - Friday, October 11-12	TE on SBT Prioriti- zation in Calico Hills	TBD	A. Simmons, Project Office



Carl P. Gertz, Project Manager
Yucca Mountain Project Office

YMP:DLH-4668

cc:

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