



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: September 14, 1990

SUBJECT: DOE WEEKLY REPORT

Please find enclosed the above-referenced report received in this office, i.e., week ending August 31, 1990. There is nothing of any particular significance in this report.

nan

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

P. O. Box 98608

Las Vegas, NV 89193-8608

SEP 04 1990

WBS 1.2.9

QA: N/A

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

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING AUGUST 31, 1990

I. CRITICAL ITEM STATUS

A. Site Characterization Planning

Midway Valley Trenching

The Yucca Mountain Project Office (Project Office) transmitted a letter to Holmes and Narver, Inc., authorizing the commencement of planning activities associated with the design of Midway Valley testing facilities.

The initial draft of the "Midway Valley/Calcite-Silica Activities Document," was completed. Formal document review is scheduled for the week of September 5, 1990.

The Engineering Plan and Surface-Based Test Facility Plan were revised to simplify the design process.

Final pre-activity environmental field surveys are being conducted for the Midway Valley exploratory trenches and Trench-14. Job package outlines for Midway Valley and Trench-14 are also being prepared.

Quality Assurance (QA) packages for the Requirements Document and for Sandia National Laboratories (SNL) Midway Valley activities were approved by the Quality Review Board.

Site Characterization Plan (SCP) Progress Reports

A guidance letter for the development of the Project Office Technical Status Report/Site Characterization Progress Report for the period covering April-September 1990 has been distributed to project participants. The due date for input to the Project Office is September 26, 1990.

SCP Comments

An Integration Group (IG) telecon was held on August 29, 1990. The telecon provided a forum for members to assess programs, discuss problems, reassign comments that need input from other members, and ensure that all outstanding draft responses have been collected prior to the next IG meeting. An IG meeting is scheduled for September 11-12, 1990.

Responses to State of Nevada comments on Midway Valley are being addressed on an accelerated schedule. Similar responses are being organized into partial response packages which will be distributed to technical staff for completion.

STATUS OF SCP COMMENT RESPONSE PACKAGES

Comment Package	Status	Number of Comments
State of Nevada SCP/CD	Released 10/89	929
NRC Point Papers SCP/CD	Released 12/88	167
USGS Comments SCP/CD	Released 10/89	698
Edison Electric Institute SCP/CD	Released 10/89	5
Reno Public Hearing	Released 8/1/90	234
Las Vegas Public Hearing	Released 8/1/90	150
Amargosa Public Hearing	Released 8/1/90	49
Public Written Comments	Responses Complete	53
California Energy Commission	IG Review	38
Lincoln County Board of Comm.	IG Review	6
U.S. Environmental Protection Agency	IG Review	12
U.S. Department of Interior	IG Review	35
NRC/Site Characterization	IG Review	198
State of Nevada Preliminary Letter (ESF)	IG Review	58
State of Nevada (9/89 package)	03/18/91	1,917

SCP Study Plan Status: August 31, 1990

A series of comment resolution meetings were held for Priority Level 2 Study Plans 8.3.1.2.2.5, "Diffusion Tests in the ESF," 8.3.1.3.6.1, "Dynamic Transport Column Experiments," and 8.3.1.3.6.2, "Diffusion."

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	7
Post HQ Revision.	9
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) Alternatives and Calico Hills Studies

The Calico Hills Task Group continued efforts to compile, document, and draft the report summarizing results of the analysis completed to date.

The documentation of the waste isolation impacts portion of the geotechnical assessments is nearing completion. Documentation is scheduled for completion by September 14, 1990, thus allowing time for internal review prior to the upcoming Nuclear Waste Technical Review Board (NWTREB) briefing and U.S. Nuclear Regulatory Commission (NRC) meeting on October 11-12, 1990.

A decision analyst has been engaged, on a limited basis, to review the Calico Hills decision model. To this end, two limited workshops with project staff have been scheduled. Recommendations to the task group are expected by September 10, 1990.

The Calico Hills Risk Benefit Assessment technical panel will reconvene on September 17-18, 1990, in Las Vegas, Nevada. The panel is scheduled to implement recommendations for the decision model, to continue work on the final report, and to complete recommendations to the U.S. Department of Energy/Headquarters (DOE/HQ).

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The Programmatic Viability Influence Diagram was developed at a management panel meeting for the ESF Alternatives Study. This completes the development of the influence diagrams.

Scoring activities are five percent complete.

OPTIONS STATUS

	Number Completed	Total
Influence Diagrams	20	20
Scoring Activities	34	680

Surface Base Testing Prioritization (SBTP)

The SBTP Core Team met August 27-29, 1990, to discuss and plan future meetings and task activities. Information and methodologies to be included in upcoming milestones are the primary areas of emphasis. The SBTP Core Team met with the Golder staff responsible for test prioritization and suitability analysis in order to mutually understand each other's efforts (e.g., both similarities and differences). The meeting with the Golder staff was very successful because discussions primarily centered around the details of implementation of the different modeling and assessment efforts. The core team plans to meet August 29-31, 1990.

Alternatives to License Application Strategies (ATLAS)

Project staff initiated efforts to resolve comments made on the ATLAS Draft Final Report. No additional comments are expected.

B. Environmental and Socioeconomic Programs

The draft Environmental Monitoring and Mitigation Plan Progress Report for the period of September 1988 through September 1990 was revised and submitted for DOE/HQ review.

The Environmental Protection Implementation Plan was revised in accordance with Gold Star activities. The Plan was submitted for DOE/HQ review.

C. Field Operations

The east wing of the Yucca Mountain Site Office has been completed and is operational.

Planning was initiated for "bore hole remedial work" activities. The work is scheduled to begin in September 1990 in selected bore holes at the Yucca Mountain site.

Master planning activities for site characterization field infrastructure commenced.

The technical proposal and additional drawings for the pipe handling system were received from Lang Exploratory Drilling. The proposal was distributed to the Technical Review Committee for comment. Clarification on the integration of the pipe handling system with the LM-300 drill rig will be needed.

D. Project Planning and Control

Project staff continued the development of the fiscal year 1991 Performance Measurement Baseline.

Efforts to update the Long Range Plan/Integrated Data System are ongoing.

E. QA Implementation

The integrated Office of Civilian Radioactive Waste Management/Yucca Mountain Project Quality Assurance Requirements Document (QARD) and the Quality Assurance Program Description (QAPD) were submitted for review to the NRC on April 13, 1990. Comments were received on June 1, 1990. Comment resolution with the NRC has been completed. The revised QARD and the QAPD are being reviewed by DOE/HQ and project personnel. Comments are scheduled to be resolved at a Project Office meeting this week. Upon completion of this review, the documents will be forwarded to the NRC.

Letters confirming the DOE/HQ acceptance of project participant QA programs were forwarded to the NRC.

A meeting with project participants is being planned to discuss the feasibility of a common Software QA Plan for the project. The meeting is tentatively scheduled for September 10, 1990.

F. Major Oversight Group Meetings

The NWTB Engineered Barrier System Panel Technical Exchange on the Waste Package Plan and waste form characterization activities was held on August 18-19, 1990, in Pleasanton, California.

G. Public Outreach Activities

The Project Manager gave a presentation at the Columbia University H. Krumb School of Mines New York City, New York, on August 29, 1990.

The Project Manager gave a presentation to the Las Vegas Board of Realtors on August 24, 1990, in Las Vegas, Nevada.

Another project representative gave a presentation to the Diabetes Association on August 30, 1990, in Las Vegas, Nevada.

H. Washington, D.C., Activities

The Site Characterization Integration Group completed the review and concurrence of revised responses to SCP comments made by the Edison Electric Institute, the U.S. Environmental Protection Agency, and the Lincoln County Board of Commissioners.

Staff attended a Continental Scientific Drilling Program meeting in Germantown, Maryland. Attendees discussed the proposed "Death Valley - Yucca Flat Transect: A Combined Continental Scientific Drilling and Geodynamics Project."

The review of the NRC "Draft Technical Position on Regulatory Considerations in the Design and Construction of the Exploratory Shaft Facility," is ongoing.

Revisions to the Mined Geologic Disposal System Program Plan is scheduled for completion this week.

II. Significant Accomplishments/Information Items

The Project Manager attended John Bartlett's first Topical Senior Management Meeting with his Associate Directors and Office Directors on Tuesday, August 28, 1990, in Washington, D.C.

The monthly Program Management meeting was held on August 30, 1990, in Washington, D.C.

SNL has received all necessary input for the preparation of the Repository Plan Quality Assurance Grading Report.

Project staff attended the first Systems Engineering training course scheduled August 28-31, 1990. A second training course is scheduled for September 18-21, 1990, with a third class to follow in November 1990.

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>			
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
Monday, September 17	Orientation for Nevada Operations Office & Evaluation & Evaluation Com. Mgrs.	Las Vegas, NV	A. Robison, Project Office
Thursday, October 4 (tentative)	Planning and Budget Meeting	Las Vegas, NV	C. Gertz, Project Office
Friday, October 5 (tentative)	PM-TPO Meeting	Las Vegas, NV	C. Gertz, Project Office
C. <u>State and Public Interactions</u>			
Friday, August 31	Beatty Sheriff's Department	Beatty, NV	A. Robison, Project Office

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
C. <u>State and Public Interactions (continued)</u>			
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
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

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>Yucca Mountain Project Tabletop Exhibit Showings (P) (continued)</u>			
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
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

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John W. Bartlett

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
E. <u>NRC Interactions (continued)</u>			
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, September 11-12	Radionuclide Sorption Workshop	Los Alamos, NM	M. Blanchard, Project Office
Thursday - Friday, October 11-12	TE on SBT Prioriti- zation in Calico Hills	TBD	A. Simmons, Project Office
Monday, October 15	Environment and Public Health Panel meeting	Reno, NV	W. Dixon, Project Office


 Carl P. Gertz, Project Manager
 Yucca Mountain Project Office

YMP:DLH-4751

cc:

F. G. Peters, HQ (RW-1) FORS
 D. E. Shelor, HQ (RW-30) FORS
 H. H. Brandt, HQ (RW-13) FORS
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