



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 and John W. Gilray
Sr. On-Site Licensing Representatives

DATE: November 13, 1990

SUBJECT: YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS

Please find enclosed the above-referenced report for the
week ending November 2, 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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UNITED STATES NUCLEAR REGULATORY COMMISSION

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Department of Energy

Yucca Mountain Project Office

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Las Vegas, NV 89193-8608

WBS 1.2.9

QA: N/A

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

OFFICE OF GEOLOGIC DISPOSAL WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
NOVEMBER 2, 1990

I. CRITICAL ITEM STATUS - YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

A. Site Characterization Planning

Midway Valley Trenching

Revision 2.01 of the Midway Valley/Calcite-Silica time-phased Logic Network shows a float of +7 days. The critical path now includes development of the Safety and Health Field Operating Instructions and establishment of Safety and Health Facilities. Revision 2.00 was signed off on October 29, 1990.

The Quality Assurance Grading Report of the "Technical Requirements for the Yucca Mountain Project (Midway Valley Trenching and Calcite-Silica Activities)," Revision 1, was accepted by the Quality Review Board. An impact analysis of the changes in Revision 1 indicates no impact on previous activities. In response to an audit finding, the Yucca Mountain Project Office (Project Office) has initiated a new management, regulatory, technical, and quality assurance (QA) review (Quality Management Procedure [QMP]-06-04) of this document.

Site Characterization Plan (SCP) Progress Report (PR)

Most participant input to the PR for site characterization at Yucca Mountain (SCP/PR 3) has been received and is currently being integrated into a draft report. Completion of the draft SCP/PR 3 is expected by mid-November 1990.

SCP Comments

The State of Nevada comment package, with breakout and categorization and a preliminary database sort on the comment categories, has been forwarded to the technical leads for initiation of the response process.

Comment packages for the California Energy Commission, Edison Electric Institute, the U.S. Environmental Protection Agency, the Lincoln County Board of Commissioners, the State of Nevada preliminary letter, and the Site Characterization Analysis (SCA) have been prepared for the Program Review Group (PRG) and sent to group members for their review.

Reference verifications on the SCA are in process.

Responses to the State of Nevada comments on Midway Valley/Calcite-Silica Study Plans are nearing completion.

SCP Study Plan Status

Priority Level 3 Study Plan 8.3.1.15.1.1, "Laboratory Thermal Properties," has been approved and sent to the U.S. Department of Energy/Headquarters (DOE/HQ) for transmittal to the U.S. Nuclear Regulatory Commission (NRC).

STUDY PLAN BREAKDOWN

In Revision After Screening Review	1
In Project Office and HQ Review.	17
Awaiting Comment Resolution Meeting.	7
Awaiting Author Revision	8
In Project Office/HQ Verification Audit.	4
Verification Complete-Awaiting HQ Sign-Off	5
Approved and Awaiting Transmittal to NRC	5
NRC Acceptance Review.	7
NRC Acceptance	4
Total	58

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Exploratory Shaft Facility (ESF) Alternatives and Calico Hills
Risk Benefit Assessment (CERBA)

Scoring Activities

	<u>Number Completed</u>	<u>Total</u>
Influence Diagrams	20	20
Scoring Activities	578	680

Scoring Activities: 85% Complete

Work continues on the final report on the value-of-information approach to selection of the Calico Hills strategy.

Preparation of an issues "narrative" for the multi-attribute utility analysis (MUA) is currently ongoing. Expected completion date for an MUA elicitation is November 1990.

Preparations are under-way for work to begin next week on additional modeling for saturated zone ground water travel time to support the strategy impacts on Calico Hills.

Testing Prioritization Task (TPT)

The Core Team prepared assessment definitions of the potentially adverse conditions.

A TPT Integration Group (IG) assessment meeting was held October 31, 1990, through November 2, 1990, at Palo Alto, California.

Prepared record package segments for submittal to the Local Records Center in order to comply with QMP-17-01, Revision 2, by November 1, 1990.

Provided input to the "Progress Report on Site Characterization at Yucca Mountain."

B. Environmental and Transportation Programs

Environmental Field Programs

The Pipe Handling System for the LM-300 Drill Rigs contract is currently being hand carried through Reynolds Electrical & Engineering Co., Inc. (REECo) for final approval and signatures. Expected date of award is Friday, November 2, 1990. Estimated delivery is four months from the date of award.

Completed new surveys in the areas of archaeology and terrestrial ecosystems for the additional disturbance areas required for the Midway Valley trenching studies.

Environmental Compliance and Permitting

The Environmental Management Plan (EMP) was completed and signed by the Project Manager. The EMP provides the project's approach to managing the environmental program, including identification of requirements, planning, data collection, and integration of environmental activities with other project organizations and activities.

Project Administrative Procedure (AP)-6.13 (for Project participants to receive approval for the use of regulated materials) was completed, approved, and distributed. AP 6.13 is a part of the project's program for managing regulated materials and hazardous wastes.

C. Field Operations

A letter of authorization is in preparation for Job Package 90-1 for authorized participants REECo and Fenix & Scisson of Nevada.

The first class of participants received on-site training indoctrination at the Yucca Mountain Site Office training room. They were trained on the following: Project Nevada Test Site Orientation, Security, Badging, and Field Operations Center Implementation.

D. Project Planning and Control

Revised Long Range Plan/Integrated Project Schedule (LRP/IPS) input was received from Lawrence Livermore National Laboratory on Monday, October 29, 1990.

Revised LRP/IPS input was received from Sandia National Laboratories (SNL) on Friday, November 2, 1990. The revised input includes internal SNL interfaces and Level 2 milestones.

Both of the new submittals will be incorporated into the LRP/IPS by Monday, November 5, 1990.

September 1990 Planning and Control System performance reports were distributed to all participants. These reports included Planning & Scheduling Account Report (PSA-02), Summary Account Report (SAS-02), and a Cost Performance Report that summarized performance for fiscal year 1990.

E. QA Implementation

Participated in Project Office re-review of the Midway Valley/Calcite-Silica Requirements Document which is scheduled for completion by the middle of November 1990.

Prepared a presentation for the Nuclear Waste Technical Review Board (NWTB) meetings on November 1 and 2, 1990.

Reviewed three grading packages for Project Office activities.

Completed a series of workshops on the QA Program inflexibility issue within the scientific community; these were factored into the NWTB presentation.

Participated in a meeting with Los Alamos National Laboratory on the Software Quality Assurance Plan.

Finished Gold Star Audit 90-I-1.

Submitted packages for the Science Applications International Corporation audit to the NRC, the State of Nevada, Clark County, and Nye County, Nevada.

Prepared and distributed the 1991 Surveillance Schedule, Revision 2.

F. Major Oversight Group Meetings

No oversight group meetings this week.

G. Public Outreach Activities

Staff prepared presentation materials, worked with Graphics Branch and Technical & Management Support Services staff to develop exhibits, notified local government officials about the meetings, finalized room arrangements, and placed newspaper and radio ads for the upcoming Yucca Mountain Project Public Update Meetings. The meetings will be held in Hawthorne, Nevada, on November 7, 1990; Amargosa Valley, Nevada, on November 8, 1990; and Henderson, Nevada, on November 20, 1990.

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Staff supported a meeting on protocols for interactions between Project Office staff and representatives of Nye County, Nevada, on October 29, 1990.

H. Near Term Decision Plan

No significant change in milestone status from last Program Management Meeting.

II. ANALYSIS & VERIFICATION DIVISION

Completed a review of responses to comments on the SCP in support of the PRG meeting to discuss comment responses. The PRG meeting is scheduled for November 8, 1990.

Participated in a TPT IG meeting on October 30 through November 2, 1990, at Menlo Park, California.

Began preparation of and solicited input from other Office of Civilian Radioactive Waste Management offices for Chapter 1 and Section 2.1 of the third Site Characterization Progress Report.

III. SIGNIFICANT ACCOMPLISHMENTS/INFORMATION ITEMS

The Project Manager participated in the QA Gold Star Audit Closeout Meeting on Wednesday, October 31, 1990, in Washington, D.C.

The Project Manager attended the Program Management Meeting on November 1, 1990, in Washington, D.C.

All comments for the Technical Assessment Review of "Waste Acceptance Preliminary Specification for High-Level Waste Glass" have been received and are undergoing resolution.

IV. 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, November 28	Program Management Meeting	Washington, DC	C. Gertz, Project Office

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
B. <u>Internal Project and DOE/NV meetings</u>			
Monday, November 26	Planning & Budget Meeting	Las Vegas, NV	C. Gertz, Project Office
Tuesday, November 27	TPO Meeting	Las Vegas, NV	C. Gertz, Project Office
C. <u>State and Public Interactions (P)</u>			
Saturday, November 3	Phi-Theta-Kappa Regional Meet	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
Wednesday, November 14	1990 American Nuclear Society Meeting	Washington, DC	C. Gertz, Project Office
Tuesday, November 20	Public Update Meeting	Henderson, NV	C. Gertz, Project Office
Tuesday, December 4	UNLV History	Las Vegas, NV	C. Gertz, Project Office
Thursday, December 6	Arizona State-wide Meeting of ANS Student Chapters	Tucson, AZ	C. Gertz, Project Office
Wednesday, January 9	Daughters of the American Revolution	Las Vegas, NV	C. Gertz, Project Office

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>Exhibits</u>			
Friday - Sunday, November 2-4	Henderson Expo	Henderson, NV	M. Powell, Project Office
Wednesday - Friday, November 14-16	Nevada Association of Counties	Mesquite, NV	M. Powell, Project Office
Friday - Saturday, November 16-17	Nevada Science Teachers Association	Elko, NV	M. Powell, Project Office
E. <u>NRC Interactions</u>			
Thursday, November 8	NRC QA Meeting	Washington, DC	D. Horton, Project Office
Thursday - Friday, November 8-9	TE on CHRBA	Denver, CO	POSTPONED
Wednesday - Thursday, November 28-29	TE on Performance Assessment	Albuquerque, NM	A. Simmons, Project Office
F. <u>NWIRB Interactions</u>			
Thursday - Friday, November 1-2	NWIRB QA Panel Meeting	Arlington, VA	D. Horton, Project Office
Monday - Tuesday, November 19-20	NWIRB TE on ESF Scoring	Denver, CO	A. Simmons, Project Office

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
F. <u>NWTRB Interactions (continued)</u>			
Tuesday - Thursday, January 15-17, 1991	NWTRB Full Board Meeting	Washington, DC	A. Simmons, Project Office
Tuesday - Thursday, April 16-18, 1991	NWTRB Full Board Meeting	Reno, NV	A. Simmons, Project Office
Tuesday - Thursday, July 16-18, 1991	NWTRB Full Board Meeting	Arlington, VA	A. Simmons, Project Office
Tuesday - Thursday, October 8-10, 1991	NWTRB Full Board	TBD	A. Simmons, Project Office



Carl P. Gertz, Project Manager
Yucca Mountain Project Office

YMP:DLH-668

cc:

R. J. Blaney, HQ (RW-4) FORS
 H. H. Brandt, HQ (RW-13) FORS
 J. C. Bresee, HQ (RW-10) FORS
 S. J. Brocoun, HQ (RW-20) FORS
 B. A. Cerny, HQ (RW-14) FORS
 M. A. Ferguson, HQ (RW-43) FORS
 Nello Del Gobbo, HQ (RW-123) FORS
 Stephanie Hanna, HQ (PA-3) FORS
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