



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

Reply to:  
1050 East Flamingo Road  
Suite 319  
Las Vegas, Nevada 89119  
Tel: (702) 388-6125  
FTS: 598-6125

TO: John J. Linehan, Director, HLPD, M/S 4 H 3  
FROM: Paul T. Prestholt and John W. Gilray  
Sr. On-Site Licensing Representatives  
DATE: February 21, 1991  
SUBJECT: YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS

Please find enclosed the above-referenced report for  
the week February 8, 1991.

There is nothing requiring specific management  
attention in the 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 Site Characterization  
Project Office  
P. O. Box 98608  
Las Vegas, NV 89193-8608

WBS 1.2.9  
QA: N/A

FEB 14 1991

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

OFFICE OF GEOLOGIC DISPOSAL WEEKLY HIGHLIGHTS FOR THE WEEK ENDING  
FEBRUARY 8, 1991

I. CRITICAL ITEM STATUS - YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT  
(YMP)

A. Site Characterization Planning

Midway Valley Trenching

Revision 4.03 of the Trench 14 activities time-phased logic network was issued on January 30, 1991. No schedule slippage has been identified.

Verification of the comment resolutions from the management review of drawings and specifications for the deepening of Trench 14 is in progress.

The Midway Valley Readiness Review Record Memorandum was submitted to the Central Records Facility. An information copy was transmitted to the State of Nevada.

Site Characterization Plan (SCP) Progress Report

The final draft of the third semiannual, "Progress Report on Site Characterization: Yucca Mountain, Nevada" (SPR 3), for the period April through September 1990 is still undergoing concurrence review at the U.S. Department of Energy/Headquarters (DOE/HQ). Upon completion of this review, the Yucca Mountain Site Characterization Project Office (YMPO) will finalize a camera-ready copy of SPR 3 for submittal for printing.

Comments

Draft responses to the Nuclear Waste Technical Review Board's (NWTB's) recommendations in their Second Report to the U.S. Congress were returned to DOE/HQ on January 31, 1991. Work continues on response development for the State of Nevada's comments on the SCP.

SCP Study Plan Status

A revised text of Study Plan 8.3.1.2.2.1, "Characterization of Meteorology for Regional Hydrology," was received from the U.S. Geological Survey (USGS). This version incorporates revisions resulting from discussions between the Principal Investigator and the reviewers concerning a previous draft revision circulated in November 1990. The draft was transmitted to reviewers for final verification of mandatory comments.

All comments have now been received for Study Plan 8.3.1.12.2.1, "Meteorological Data Collection at the Yucca Mountain Site," and Study Plan 8.3.1.4.2.1, "Characterization of the Vertical and Lateral Distribution of Stratigraphic Units in the Site Area." The comments were transmitted to the Principal Investigators for resolution.

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STUDY PLAN BREAKDOWN

In Revision After Screening Review . . . . .	1
In YMPO Review . . . . .	14
Awaiting Comment Resolution Meeting . . . . .	11
Awaiting Author Revision . . . . .	7
In YMPO/HQ Verification Audit . . . . .	4
Verification Complete-Awaiting HQ Sign-off . . . . .	3
Awaiting YMPO Approval . . . . .	0
Approved and Awaiting Transmittal to U.S. Nuclear Regulatory Commission (NRC) . . . . .	7
NRC Acceptance Review . . . . .	11
NRC Acceptance . . . . .	4
Total . . . . .	62

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

YMPO is providing guidance and direction to the architect/engineer, Raytheon Services Nevada (RSN), relative to proceeding with the ESF design study.

Testing Prioritization Task (TPT)

Core Team members completed the Phase 1 final report and transmitted the document to YMPO.

An announcement of a Management Assessment Panel Meeting was distributed. The meeting will be held February 14, 1991, in Las Vegas, Nevada. The purpose of the meeting is to assess management opinions on two value judgments that the TPT analysis has shown to be critical to test prioritizations.

B. Environmental Programs

Environmental Compliance and Permitting

No significant new activities to report this week.

Environmental Field Programs

No significant new activities to report this week.

C. Field Operations

The Site Manager is in the process of initiating the official authorization for Job Package 91-4, Environmental Field Programs. This is the authorization to proceed with the work requirements as outlined. The Field Operations staff is preparing the necessary field operations permits to go along with this job package authorization.

On February 6, 1991, the Site Manager mobilized the necessary heavy equipment identified for the Midway Valley Trenching Activities. The equipment and operators were in place for the tour by John Bartlett, Director, Office of Civilian Radioactive Waste Management (OCRWM) on February 7, 1991. Trenches A and B in Midway Valley have been staked off for visual identification by the respective parties.

The Site Manager has established a permanent motor pool based on operations at the Yucca Mountain Site Office (YMSO) consisting of 21 light-duty vehicles, i.e., sedans, vans, and one-half ton and three-quarter ton pickup trucks.

On February 5, 1991, the Site Manager gave a briefing to the Records Coordinator's Conference. Upon completion of the briefing, the representatives were given a tour of YMSO and Area 25 by the Site Manager.

The Core Logging Trailer demonstration has been set up.

D. Project Planning and Control

Schedule integration is continuing. YMPO participant networks that were revised to accommodate fiscal year (FY) 1991 funding are being merged nightly to identify 500 open ends. Open ends are then "hooked" the following day. Draft guidance for integrating scope and budget to the schedule was presented to YMPO participants on February 1, 1991. The planning and performance data will result in integrated scope, schedule, and budget planning to October 2001. Software specifications to permit electronic transfer of status

data will be completed on February 8, 1991. This transfer will expedite the status process and allow the quarterly Project Manager's Progress Report to be submitted in the required time frame.

FY 1991 Planning and Control System (PACS) account updates were completed for USGS and Sandia National Laboratories (SNL). A review and update of FY 1991 YMP Minor Participant Accounts in the PACS was completed.

FY 1991 Work Authorization Documents were produced for Technical and Management Support Services, MAC Technical Services Company, Reynolds Electrical & Engineering Co., Inc., RSN, USGS, and SNL.

E. Quality Assurance (QA) Implementation

YMPO QA conducted a workshop with project participants to discuss Software Quality Assurance on February 4-6, 1991, in Las Vegas, Nevada. QA briefed Carl Gertz and Don Horton regarding the workshop results on February 7, 1991.

A surveillance was conducted at USGS on February 4-6, 1991, by the QA Verification Group. The purpose of the surveillance was to verify and close outstanding standard deficiency reports.

F. Major Oversight Group Meetings

There were no major oversight group meetings this week.

G. Public Outreach Activities

YMPO staff attended a DOE/HQ Institutional Information Product Meeting in Las Vegas, Nevada, on February 6, 1991.

YMPO continued updating the 1991 YMP exhibit schedule.

YMPO continues with procurement activities for a Climax Mine display for the Las Vegas, Nevada, Yucca Mountain Information Office.

YMPO continued revision of the draft educational package for grades seven through nine.

H. Near Term Decision Plan

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

### I. Management System Improvement Strategy (MSIS)

YMPO support for the MSIS included the following:

- The Project Physical Core Team participated in the ESF functional analysis planning session in Washington, D.C. Personnel requirements, milestones, and deliverables were identified and a breakdown of tasks was completed.
- Programmatic Team completed and submitted an in-progress report to DOE/HQ for the functions "Systems Engineering, Design System, and Test and Evaluate System."

### II. ANALYSIS & VERIFICATION DIVISION

Participated in the ESF Mission Analysis on February 4-6, 1991, in Golden, Colorado.

Initiated review of NRC's Final Draft "Staff Technical Position on Investigations to Identify Fault Displacement and Seismic Hazards at a Geologic Repository," received on February 5, 1991, for the February 10, 1991, Technical Exchange with the NRC.

Completed the ESF Design direction and guidance memorandum from John Bartlett to Dwight Shelor and Carl Gertz on February 8, 1991.

Completed the Information Memorandum to the Secretary of Energy regarding the "OCRWM Readiness to Proceed with New Scientific Investigation Activities at the Yucca Mountain Site, Nevada," on February 8, 1991.

### III. SIGNIFICANT ACCOMPLISHMENTS/INFORMATION ITEMS

John Bartlett toured the Yucca Mountain Site, including the Sample Management Facility, on February 7, 1991.

YMPO provided a briefing for the ESF design selection to the OCRWM Staff. The meeting was held in Washington, D.C., on February 1, 1991.

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>
<b>A. <u>DOE/HQ Meetings</u></b>			
Wednesday- Thursday, April 3-4	Strategic Principles Workshop	Denver, CO	C. Gertz, YMPO
<b>B. <u>Internal and DOE/NV Meetings</u></b>			
Thursday, February 21	Planning & Budget Meeting	Las Vegas, NV	C. Gertz, YMPO
Friday, February 22	TPO Meeting	Las Vegas, NV	C. Gertz, YMPO
<b>C. <u>State and Public Interactions (P)</u></b>			
Saturday, February 9	So. Nevada Council on Social Studies	Las Vegas, NV	C. Gertz, YMPO
Monday, February 11	Teachers Exchange Program	Las Vegas, NV	A. Robison/ T. Pysto/ P. Standish, YMPO
Wednesday, February 13	Mt. Charleston School	Las Vegas, NV	A. Gil, YMPO
Wednesday, February 20	American Business Women's Association	Las Vegas, NV	A. Robison, YMPO
Thursday, February 28	'91 Waste Management Conference	Tucson, AZ	C. Gertz, YMPO
Thursday, February 28	Retired School Teachers	Las Vegas, NV	A. Robison, YMPO
Tuesday, March 12	Clark County Community College Panel Discussion	Las Vegas, NV	C. Gertz, YMPO

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
<b>C. <u>State and Public Interactions</u> (P) (continued)</b>			
Tuesday, April 16	Tunnels '91	Golden, CO	C. Gertz, YMPO
Wednesday, May 1	High Level Waste Mgmt. Conference	Las Vegas, NV	C. Gertz, YMPO
<b>D. <u>Exhibits</u></b>			
Friday- Saturday, February 8-9	So. Nevada Council on Social Studies	Las Vegas, NV	M. Powell, YMPO
<b>E. <u>NRC Interactions</u></b>			
Wednesday, February 20	NRC Seismic Hazards Staff Technical Position TE	Washington, DC	A. Simmons, YMPO
Rescheduled Wednesday- Thursday, March 6-7	DOE Site Visit to CNWRA	San Antonio, TX	A. Simmons, YMPO
Tuesday, March 12	NRC Management Mtg. on Procedural Agreements	Washington, DC	A. Simmons, YMPO
Wednesday- Thursday, March 20-21	NRC TE on Radionuclide Retardation & Mineral Stability	West Coast Site	A. Simmons, YMPO
Tuesday, April 16	NRC Thermal Loading and Repository Design Staff Technical Position TE	Washington, DC	A. Simmons, YMPO
Wednesday, May 15	WIPP Roundtable Discussion	TBD	A. Simmons, YMPO
<b>F. <u>NWIRB Interactions</u> (P)</b>			
Friday, March 1	NWIRB Meeting on Volcanic Hazards & Vulnerability	Tucson, AZ	A. Simmons, YMPO

John W. Bartlett

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
F. <u>NWIRB Interactions</u> (P) (continued)			
Tuesday- Wednesday, March 5-6	Site Suitability, ESF, CHRBA, & TPT Meeting	Denver, CO	C. Gertz, YMPO
Tuesday- Wednesday, March 26-27	ESF Design Process and QA Meeting	Dallas, TX	C. Gertz, YMPO
Tuesday- Thursday, April 16-18	NWIRB Full Board Meeting	Reno, NV	A. Simmons, YMPO
Tuesday- Thursday, July 16-18	NWIRB Full Board Meeting	Arlington, VA	A. Simmons, YMPO
Tuesday- Thursday, October 8-10	NWIRB Full Board Meeting	TBD	A. Simmons, YMPO



Carl P. Gertz  
Project Manager

YMP:DLH-2098

## CC:

H. H. Brandt, HQ (RW-13) FORS  
 J. C. Bresee, HQ (RW-10) FORS  
 S. J. Brocoun, HQ (RW-22) FORS  
 B. A. Cerny, HQ (RW-14) FORS  
 M. A. Ferguson, HQ (RW-5) FORS  
 Stephanie Hannah, HQ (PA-3) FORS  
 T. E. Isaacs, HQ (RW-4) FORS  
 G. P. King, HQ (RW-5) FORS  
 R. A. Milner, HQ (RW-40) FORS  
 F. G. Peters, HQ (RW-2) FORS  
 Samuel Rousso, HQ (RW-10) FORS  
 D. E. Shelor, HQ (RW-30) FORS  
 C. M. Smith, HQ (RW-2) FORS  
 J. D. Saltzman, HQ (RW-5) FORS  
 Jeff Roberts, CH, IL  
 Marianne Heiskell, ORO  
 J. H. Anttonen, BWI, RL, WA