



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

Reply to:
301 East Stewart Ave., #203
Las Vegas, Nevada 89101
Tel: (702) 388-6125
FTS: 598-6125

TO: Joseph Holonich, Acting Director, HLPD, M/S 4 H 3

FROM: Paul T. Prestholt and John W. Gilray
Sr. On-Site Licensing Representatives

DATE: May 17, 1991

SUBJECT: YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS

Please find enclosed the above-referenced report for the week of May 3, 1991.

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

WBS 1.2.9
 QA: N/A

MAY 09 1991

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

OFFICE OF GEOLOGIC DISPOSAL WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
 MAY 3, 1991

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

A. Site Characterization Planning

Exploratory Studies Facility (ESF) Task Force Activities

A fifth-level element to the YMP Work Breakdown Structure to accommodate the Office of Civilian Radioactive Waste Management (OCRWM)-directed ESF Design Studies has been approved.

OCRWM Milestone (M/S) status: (See note)

The following milestones have been completed: H1, issuance of a public document articulating the ESF decision process; H3, a letter to the U.S. Nuclear Regulatory Commission (NRC) explaining Site Characterization Analysis (SCA) concerns on the Calico Hills; H5, submission of the YMP Plan for Project Change Control Board approval; and P2, the Independent Cost Estimate (ICE) kick-off meeting.

The following milestones/activities have not been completed in accordance with their scheduled dates as outlined in the RW-1 letter of February 12, 1991, to RW-20 and RW-30:

MILESTONE	SCHEDULED DATE	EXPECTED DATE
ROA: Prepare plan for resolution of the NRC SCA Design Control Objection.	3/15/91	5/15/91
H2 : Prepare transition plan from current document hierarchy to new document hierarchy (Management System Improvement Strategy).	3/15/91	TBD

MILESTONE	SCHEDULED DATE	EXPECTED DATE
H4 : Letter transmittal to NRC informing them of implementation of the Design Control Process by OCRWM.	3/31/91	5/24/91

Note: At this time, none of the above M/S appear to have a specific impact on portal construction.

STATUS OF ESF GENERAL ARRANGEMENT DRAWINGS
(Architect/Engineer Design Activities)

DELIVERABLE	NORTH AREA (87)	SOUTH AREA(86)
Mock Up	81*	37*
CADD	31	7
Check	10	5
I-D Review	-	-
Quality Assurance (QA) Sign-Off	-	-

Mock Up: Sketch to a completed, free-hand drawing, then delivered to CADD.

CADD: Computer-Aided Drawing and Design; produces finished drawing.

Interdisciplinary Review: In-house review to ensure all aspects of drawing are covered. Disciplines include Civil, Mechanical, Mining, Structural and Architectural, and Electrical Engineering.

* Changes in numbers reflect consolidation of two or more drawings into a single drawing.

Site Characterization Plan (SCP) Progress Report

The camera-ready copy of the third "Progress Report on Site Characterization: Yucca Mountain, Nevada" (PR-3) is awaiting printing by the Office of Scientific and Technical Information in Oak Ridge, Tennessee.

Final participant input for the draft of the fourth semiannual Progress Report (PR-4) was received on April 29, 1991. Editing and compilation of input continued, with completion of the initial draft anticipated about May 15, 1991.

SCP Comments

No significant progress this week due to the International High-Level Radioactive Waste Conference in Las Vegas, Nevada.

SCP Study Plan Status

A revised text in response to comments was received from the U.S. Geological Survey for Study Plan 8.3.1.17.3.4, "Effects of Local Site Geology on Surface and Subsurface Motions." The text was sent to reviewers to determine if they feel a comment resolution meeting is necessary or whether we can go directly to comment verification.

STUDY PLAN BREAKDOWN

In Revision After Screening Review	1
In YMPO and Headquarters (HQ) Review	11
Awaiting Comment Resolution Meeting	15
Awaiting Author Revision	8
In YMPO/HQ Verification Audit	2
Verification Complete-Awaiting HQ Sign-off	2
Awaiting YMPO Approval	0
Approved and Awaiting Transmittal to the NRC	4
NRC Acceptance Review	17
NRC Acceptance	4
Total	64

Review of DOE-Approved Study Plans

No new items this week.

Early Site Suitability Evaluation (ESSE)

The ESSE Core Team met in Las Vegas, Nevada, on May 1, 1991, to review and comment on the informal briefing package that will be presented to the Director of OCRWM on May 9, 1991, in Washington, D.C., by Jean Younker, Science Application International Corporation; Lawrence Rickertsen, Weston; and Bruce Judd, Decision Analysis, Inc. The package describes the general site suitability methodology developed by the ESSE Core

Team members and fulfills a milestone in the "T&MSS Implementation Plan for Developing and Implementing a Method for Early Evaluation of Site Suitability." The methodology will be included in the guideline evaluation package that will be subjected to an external peer review scheduled for the fall of 1991.

B. Environmental Programs

Environmental Compliance and Permitting

On April 23, 1991, the Nevada Division of Environmental Protection sent U.S. Department of Energy (DOE) comments on the air quality permit application. A response is being prepared.

C. Field Operations

The YMP Site Manager and staff participated in and provided support to several tours of YMP. These included the Society of Women Engineers of the University of Nevada, Las Vegas, Nevada; Native American High School Students from Tuba City, Arizona; the DOE Public Affairs Group; and a tour for the local media.

The Yucca Mountain Site Characterization Project Office (YMPO) "kicked off" the YMP Safety Awareness Program by initiating a safety logo campaign. The contest will run through May 15, 1991.

The YMP Site Manager has added three new General Services Administration (GSA) vans to the Las Vegas, Nevada, motor pool, and has initiated action for ten new GSA vans to replace some of the Nevada Test Site vans presently rented from Reynolds Electrical & Engineering Co., Inc. (REECo) at the Yucca Mountain Site Office motor pool. This change-out results in an economical cost savings of approximately \$340 per vehicle per month.

D. Project Planning and Control

The Performance Measurement Baseline schedule, scope, and budget submittals received from all participants have been incorporated, and the baseline will be frozen on May 6, 1991.

E. QA Implementation

The Yucca Mountain Quality Assurance Division (YMQAD) issued a final report on the QA Grading Workshop which was concluded the week of April 16-19, 1991.

The YMQAD generated comments on the draft version of Quality Assurance Administrative Procedure (QAAP) 18.2, Audits. The QAAP is being written as part of the procedure consolidation effort now being implemented within the Office of Quality Assurance.

F. Major Oversight Group Meetings

No new items this week.

G. Public Outreach Activities

Public presentations were presented by YMPO as follows:

- International High-Level Radioactive Waste Management Conference, April 29, 1991
- University of Nevada, Reno, Nevada, April 30, 1991
- Burkholder Junior High School, April 30, 1991

YMPO staff continued planning for the next round of YMP Update Meetings, scheduled for Pahrump, Nevada, on May 20, 1991; Las Vegas, Nevada, on May 21, 1991; and Reno, Nevada, on May 23, 1991.

YMPO staff coordinated tours of Yucca Mountain for the following groups:

- David H. Leroy, Nuclear Waste Negotiator, April 29, 1991
- DOE/HQ Independent Cost Estimating Team, May 1, 1991
- Arizona Republic and Civil Engineering Magazine, May 2, 1991
- International High-Level Radioactive Waste Management—160 persons—on May 3, 1991.

A YMP-related presentation was hosted on April 30, 1991, at the Yucca Mountain Information Office, Las Vegas, Nevada. Charles McKnight, REECO, spoke on the ABCs of Radiation.

The YMP table-top exhibit was at the Home Show held May 2-5, 1991, in Las Vegas, Nevada.

H. Near Term Decision Plan

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

I. Management System Improvement Strategy (MSIS)

The YMP is concerned that it has not received MSIS draft products in accordance with the schedule developed by the Office of Systems Compliance. A slip in the delivery dates of MSIS products could negatively impact the ICE and Energy Systems Acquisition Advisory Board reviews, with subsequent delay in the resumption of ESF Title II Design.

II. ANALYSIS & VERIFICATION DIVISION

A review was completed of preliminary draft responses to the State of Nevada Comments on the SCP, and suggested revisions were transmitted to the YMPO.

A technical review was initiated under Administrative Procedure-1.10Q, Revision 3, procedures for the following Study Plan:

8.3.1.17.3.5 - Ground Motion At The Site From Controlling Seismic Events

Coordinated a comment resolution meeting and telecon for the following Study Plans:

8.3.1.2.3.2 - Characterization of the Saturated-Zone Hydrochemistry (meeting scheduled for May 21, 1991, in Denver, Colorado)

8.3.1.9.2.2 - Water Resource Assessment of Yucca Mountain, Nevada (Telecon scheduled for May 9, 1991)

III. SIGNIFICANT ACCOMPLISHMENTS/INFORMATION ITEMS

YMP personnel and contractor staff participated in and supported the recently completed 2nd annual International High-Level Radioactive Waste Management Conference and Exposition held in Las Vegas, Nevada, April 28-May 3, 1991. Participation included presentations of many technical papers by YMP and participant staff. YMP personnel and participant staff moderated various panels and discussions. The conference was attended by representatives from various federal, state, and local jurisdictions, as well as numerous international representatives.

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>			
Thursday, May 9	Program Management Meeting	Washington, DC	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
B. <u>Internal and DOE/NV Meetings</u>			
Friday, May 10	Planning & Budget Meeting	Las Vegas, NV	C. Gertz
Wednesday, May 15	NV Manager's Program Review	Las Vegas, NV	C. Gertz
Friday, May 17	TPO Meeting	Las Vegas, NV	C. Gertz
C. <u>NRC Interactions</u>			
INDEFINITELY POSTPONED	NRC Thermal Loading and Repository Design Staff Technical Position TE	Rockville, MD	A. Simmons
TENTATIVE Thursday, May 30	NRC Interactions Scheduling Meeting	Rockville, MD	A. Simmons
D. <u>NWTRB Interactions (P)</u>			
Wednesday, May 15	WIPP Roundtable Dry Run	Albuquerque, NM	A. Simmons
Wednesday, June 12	WIPP Roundtable Discussion	Washington, DC	A. Simmons
Monday- Tuesday, May 20-21	Risk & Performance Assessment Panel Meeting	Arlington, VA	A. Simmons
Tuesday- Thursday, June 18-20	NWTRB EBS Workshop	Denver, CO	D. Harrison- Giesler
Tuesday- Thursday, June 25-27	Joint SG&G/HG&G Meeting on Testing Review	Denver, CO	A. Simmons
Monday- Tuesday, July 15-16	SG&G Panel Meeting on ESF Design Review Update	TBD	TBD
Tuesday- Thursday, July 16-18	NWTRB Full Board Meeting	Arlington, VA	A. Simmons

John W. Bartlett

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NWTRB Interactions (P) (continued)</u>			
Wednesday- Thursday, September 4-5	Seismic Risk	Salt Lake Cty, UT	A. Simmons
Wednesday- Thursday, September 18-19	Borehole Sealing and Backfill	Albuquerque, NM	A. Simmons
Tuesday- Thursday, October 8-10	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons
Tuesday- Wednesday, November 12-13	Site Suitability ESF Design Review	TBD	A. Simmons
E. <u>State and Public Interactions (P)</u>			
Tuesday, April 23	Burkholder Junior High School	Henderson, NV	E. Harle
Thursday, April 25	University of Washington	Seattle, WA	M. Powell
Thursday, April 25	American Nuclear Society Meeting	Cleveland, OH	C. Gertz
Thursday, April 25	Matt Kelly 6th Grade Center Career Days	Las Vegas, NV	F. Baird/ E. Harle
Sunday- Wednesday, April 28-May 1	'91 High Level Radioactive Waste Mgmt. Conference	Las Vegas, NV	C. Gertz
Tuesday, April 30	University of Nevada	Reno, NV	J. King
Tuesday, April 30	Burkholder Junior High Career Days	Henderson, NV	C. Gertz
Tuesday, April 30	ABCs of Radiation YM Info Office	Las Vegas, NV	C. McKnight
Wednesday, May 1	Garside Jr. High	Las Vegas, NV	R. Arnold

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
E. <u>State and Public Interactions (P) (continued)</u>			
Friday, May 3	Kenny Guinn Junior High Accelerated Science Classes	Las Vegas, NV	M. Foley
Monday, May 6	Clark High School	Las Vegas, NV	A. Robison
Tuesday, May 7	Basic High School	Las Vegas, NV	M. Foley
Wednesday, May 8	Bishop Gorman High School	Las Vegas, NV	J. Calovini
Thursday, May 9	Clark County of Southern Nevada	Las Vegas, NV	A. Robison
Friday, May 10	Open House Tour	Las Vegas, NV	C. Gertz
Monday, May 13	Braggin' Rock Club	Black Canyon City, AZ	A. Gil
Tuesday, May 14	National Assoc. of Accountants	Las Vegas, NV	Various Speakers
Thursday, May 16	U.S. Council for Energy Awareness	Washington, DC	C. Gertz
Monday, May 20	Project Update Meeting	Pahrump, NV	C. Gertz
Tuesday, May 21	Project Update Meeting	Las Vegas, NV	C. Gertz
Thursday, May 23	Project Update Meeting	Reno, NV	C. Gertz
Thursday, May 23	Las Vegas Rotary Club	Las Vegas, NV	A. Robison
Thursday, May 23	MENSA	Las Vegas, NV	A. Robison

J. Maxwell Blanchard
 Carl P. Gertz
 Project Manager