



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

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TO: David Brooks, Acting Director, HLPD, M/S 4 H 3

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

DATE: January 23, 1991

SUBJECT: YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS, i.e., OFFICE
OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS
and YUCCA MOUNTAIN SITE (YMSO) OFFICE FIELD ACTIVITY REPORT

Please find enclosed the above-referenced OGD report
for the week ending January 10, 1992 and the YMSO report for
January 3 and 10, 1992.

There is nothing requiring specific management
attention in the reports.

nan

cc w/encs.: King Stablein, M/S 4 H 3
Rosetta Virgilio, M/S 3 D 23
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 Yucca Mountain Site Characterization
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WBS 1.2.9.2
 QA: N/A

JAN 16 1992

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
 JANUARY 10, 1992

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

A. Site Characterization Planning

Exploratory Studies Facility (ESF) Task Force Activities

The initial weekly ESF management meeting was held and attended by all participants. TRW Environmental Safety Systems, Inc. (TESS) chaired the meeting.

The Energy Systems Acquisitions Advisory Board formally approved Key Decision 2 (start of final ESF Title II Design) on December 30, 1991. The related technical baseline documents have been identified, and a schedule for implementing the changes to the technical baseline has been developed.

Site Characterization Plan (SCP) Progress Report

No significant new items to report this week.

SCP Study Plan Status

No significant new items to report this week.

STUDY PLAN BREAKDOWN

In Screening Review	1
In Revision after Screening Review	1
In Yucca Mountain Site Characterization Project	
Office (YMPO) and U.S. Department of Energy (DOE)	
Headquarters (HQ) Review	6
Awaiting Comment Resolution Meeting	4
Awaiting Author Revision	13

JAN 16 1992

STUDY PLAN BREAKDOWN
(continued)

In YMPO/HQ Verification Audit	7
Awaiting YMPO Approval	0
Approved and Awaiting Transmittal to the U.S. Nuclear Regulatory Commission (NRC)	3
NRC Phase 1 Review	14
NRC Acceptance	18
Total	67

Received Comments from the State of Nevada	8
Responses Transmitted to the State of Nevada	5

Received Comments from the NRC	9
Responses Transmitted from OGD to DOE/HQ	5
Responses Transmitted from HQ to NRC	4

Early Site Suitability Evaluation (ESSE)

The ESSE Report has been revised based on resolution of the external peer review comments. The ESSE Report and the associated ESSE Peer Review Report (contains the comments, responses, and resolutions) are currently undergoing a YMPO Administrative Procedure (AP) 1.3 final acceptance review. The target is to complete the AP 1.3 review by January 18, 1992, to allow for final publication of both reports to meet the end of January 1992 delivery to YMPO and the Office of Civilian Radioactive Waste Management Director.

B. Environmental Programs

Environmental Compliance and Permitting

No significant new items to report this week.

C. Field Operations

During the past week, the LM-300 drill rig was relocated from Area 6 at the Nevada Test Site (NTS) and staged at the yard behind the Sample Management Facility complex. It will remain in place until mobilization starts on borehole UZ-16. Work is expected to start the first week of February 1992.

The Field Change Control Board convened Friday, January 10, 1992, by the Site Manager to discuss and approve the latest field change request to Job Package 92-1, Well JF-3. This field change request is for additional casing work, which will have a cost and schedule change impact.

The Field Operations Center staff finalized preparations for the congressional tour scheduled for January 9, 1992, as well as the tour scheduled for January 13, 1992, by Ivan Selin, Chairman of NRC, and members of his staff.

Cuttings from JF-3 were received. Processing and logging cuttings from JF-3 and core logging from USW UZN-37 continued.

Thirty-one specimens from prototype core were removed for the University of Arizona, Tucson, Arizona.

D. Project Planning and Control

Completed the integration of the Planning and Control System (PACS) schedule and budget data for the fiscal year (FY) 1992 replanning process by transferring the discrete activity dates from the schedule module to the corresponding discrete summary accounts in the earned value module. Discrepancies were resolved with the participants, and the participant databases were summarized. Participants' Cost Plans are being produced and will be reviewed for budget data through license application. The combined participant databases will then be combined to form a revised Cost/Schedule Baseline.

Identified and initiated resolution of discrepancies between budgeted and scheduled summary accounts in PACS.

Submitted the preliminary FY 1992 Cost Plan to YMP.

Assisted YMPO in establishing and initiating the capital equipment and NTS allocation committees.

Assisted YMPO in requesting Technical Project Officers (TPOs) to update the capital equipment listing for FY 1992.

Assisted YMPO in developing and initiating usage of a form to document the Authorized Funding Program changes by TPOs.

E. Quality Assurance Implementation

No significant new items to report this week.

Determination of Importance and Grading Enhancement (DIGE)

Continuation of Existing Process

The Quality Review Board and associated Assessment Team continued to provide support to YMPO while the DIGE effort develops the new processes.

JAN 16 1992

Q-List and Q-List Procedure Development

Raytheon Services Nevada and Sandia National Laboratories are currently performing their portions of the plan. The TESS has received a Technical Assessment Review (TAR) Notice to direct them to proceed with TAR. However, TAR has not begun, as discussions continue on the identification of the TAR Chairman and a kick-off meeting. Comment resolution continues as part of the AP 6.17Q revision effort.

Management Control System (MCS) List and Procedure Development

The iterative process of conducting a simulation of the draft MCS List Procedure plus performing identification, extraction, and verification of the requirements effort for 50 documents is in progress. The current understanding of progress indicates that this iterative process will be completed to enable the Quality Management Procedure (QMP) 06-04 review of the procedure to begin on schedule. The preliminary draft of the MCS Grading Procedure is in internal review.

Task Management

The Management Plan is currently in approval signature cycle. It is expected to be available for Project Manager signature by January 10, 1992.

F. Public Outreach and Institutional Activities

A presentation on the Yucca Mountain cultural resources program was given by Richard Arnold to the Las Vegas, Nevada, Cactus and Succulent Society, January 6, 1992.

A tour to Yucca Mountain, Nevada, was conducted on January 9, 1992, for Congressman Kostmayer, congressional staff members, and members of the American Nuclear Energy Council. A project overview presentation was given by the Project Manager prior to the tour group's departure from the Yucca Mountain Information Office, Las Vegas, Nevada. On January 10, 1992, a tour to Yucca Mountain was conducted for Science Applications International Corporation personnel.

G. Systems Management and IntegrationGeochemistry

No significant new items to report this week.

II. ANALYSIS & VERIFICATION DIVISION

No significant new items to report this week.

III. GENERAL INFORMATION ITEMS

Technical and Management Support Services

Completed resolution of comments of the QMP 06-04 review on changes to YMPO Design Plan and ESF Plan. These were sent to the Plans Procedures group for further processing.

Los Alamos National Laboratory

Began resolving comments from an informal review of the testing requirements in Appendix B of the ESF Design Review.

IV. UPCOMING EVENTS CALENDAR

Please note that the usage of "(P)" in the calendar indicates that the event is open to the public. Educational presentations and State and Public Interactions are handled by the Speakers Bureau; contact Linda Artis at (702) 794-7896 for additional information. Exhibits are handled by Kevin Rohrer at (702) 794-7769, and tours are handled by Carleen Hill at (702) 794-7375.

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
A. <u>DOE/HQ Meetings</u>			
Thursday, February 20	Program Management Meeting	Las Vegas, NV	C. Gertz
B. <u>Internal and DOE/NV Meetings</u>			
Wednesday, January 15	NV Program Review	Las Vegas, NV	C. Gertz
C. <u>NRC Interactions</u>			
Tuesday, January 28	Management Meeting Annotated Outline	Rockville, MD	J. Cooper
Tuesday, February 25	Waste Form: Spent Nuclear Fuel	TBD	T. Bjerstedt

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMFO Contact</u>
C. <u>NRC Interactions</u> (continued)			
Tuesday, March 17	Thermal Loads	Albuquerque, NM	T. Bjerstedt
Wednesday, March 18	Air, Vapor Movements Due to Thermal Gradients	Albuquerque, NM	T. Bjerstedt
Tuesday- Wednesday, April 28-29	Complimentary Cumulative Distribution Function	Albuquerque, NM	T. Bjerstedt
Tuesday, May 19	Interactions Schedulings	Rockville, MD	T. Bjerstedt
Wednesday, May 27	DOE Licensing Topical Report on Erosion	Rockville, MD	T. Bjerstedt
Wednesday, June 3	Drafts on License Application	Rockville, MD	T. Bjerstedt
Wednesday, July 1	Calcite/Silica	TBD	T. Bjerstedt
D. <u>NWTRB Interactions</u> (P)			
Wednesday- Thursday, January 22-23	SG&G Panel Meeting on Seismic Vulnerabilities	Irvine, CA	A. Simmons
Monday, February 10	Engineered Barrier System	Savannah River, GA	A. Simmons
Wednesday- Thursday, February 12-13	NWTRB T&S Panel	TBA	A. Simmons
Tuesday- Wednesday, March 10-11	NWTRB T&S Panel	TEA	A. Simmons
Monday- Thursday, April 6-9	NWTRB Full Board Meeting	Dallas, TX	A. Simmons

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
E. <u>State and Public Interactions</u>			
Sunday, January 12	Boulder City ARP	Boulder City, NV	P. Standish
Friday, January 17	International Association of Business Communicators	Las Vegas, NV	A. Robison
Friday, January 24	American Nuclear Soc. Annual Symposium	Gainesville, FL	C. Gertz
Saturday, January 25	League of Women Voters	Las Vegas, NV	A. Robison
Monday, January 27	Green Valley Library	Henderson, NV	J. King
Tuesday, January 28	Yucca Mountain Lecture Series - Earthquakes	Las Vegas, NV	J. King
Thursday, January 30	Yucca Mountain Lecture Series - Earthquakes	Beatty, NV	J. King
Saturday, February 8	Girl Scouts Merit Badge Workshop	Las Vegas, NV	E. Harle
Tuesday, February 11	Ronzone Elementary School	Las Vegas, NV	R. Arnold
Tuesday, February 11	Green Valley Library	Henderson, NV	G. Fasano
Saturday, February 15	Society of Women Engineers	Las Vegas, NV	C. Gertz
Saturday, March 7	Boy Scouts Atomic Energy Merit Badge Workshop	Las Vegas, NV	E. Harle
Tuesday, March 10	LLNL/DOE Pressure Safety Conf.	Las Vegas, NV	C. Gertz
Tuesday, March 10	Green Valley Library	Henderson, NV	R. Arnold

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
E. <u>State and Public Interactions</u> (continued)			
Saturday, March 28	Boy Scouts Geology Merit Badge Workshop	Las Vegas, NV	E. Harle
Friday, April 10	American Power Dispatchers Assn.	Las Vegas, NV	C. Gertz
<u>Date</u>	<u>Event</u>	<u>Location</u>	
F. <u>Exhibits Scheduled</u>			
Wednesday, January 22	Public Open House (P)	Las Vegas, NV	
Friday-Sunday, February 14-16	Society of Women Engineers	Las Vegas, NV	
Saturday, February 29	Public Open House (P)	Las Vegas, NV	
Saturday, March 28	Public Open House (P)	Las Vegas, NV	
Saturday, April 25	Public Open House (P)	Las Vegas, NV	
<u>Date</u>	<u>Event</u>	<u>Escorts</u>	
G. <u>Tours Scheduled</u>			
Monday, January 13	Ivan Selin, NRC Chairman	Various Escorts	
Wednesday, January 15	Cactus, Water, and Energy Conservation Society	Various Escorts	
Wednesday, January 22	Public Open House (P)	Various Escorts	
Thursday, January 23	UNLV	M. Powell	
Tuesday, January 28	Amargosa Junior High School	TBD	

JAN 16 1992

<u>Date</u>	<u>Event</u>	<u>Escorts</u>
G. <u>Tours Scheduled</u> (continued)		
Wednesday, February 5	Basic High School	TBD
Thursday, February 6	RV Rally (from Amargosa Valley)	TBD
Monday, February 10	UK Nirex	C. Gertz
Friday, February 14	Chaparral High School	L. Thompson
Saturday, February 29	Public Open House (P)	Various Escorts
Saturday, March 28	Public Open House (P)	Various Escorts
Saturday, April 25	Public Open House (P)	Various Escorts

YMP:DLH-1578

for Maxwell Blankenship
Carl P. Gertz
Project Manager



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Yucca Mountain Site Characterization
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WBS 1.2.7.4
QA: N/A

JAN 15 1992

Carl P. Gertz, Project Manager, YMP, NV

YUCCA MOUNTAIN SITE OFFICE (YMSO) FIELD ACTIVITY REPORT

The following are the significant field activities for the weeks ending January 3, 1992 and January 10, 1992:

1. Field Operations Center, (YMSO)

A. Management and Administration

- a. The Site Manager and staff participated in and provided operational and logistical support to several tours conducted of the Yucca Mountain Site Characterization Project (YMP) during this period. These included the Altamira Communication Tour and the Congressional Staff Members and the American Nuclear Energy Council.
- b. The Site Manager convened the Field Change Control Board (FCCB) on January 10, 1992. Purpose was to discuss and act upon the latest Field Change Request (FCR) for JP 92-1, Rev-1, Well JF-3. Reason for change was due to the hole sloughing and additional casing needed due to downhole conditions. The cost change was for both REECO and RSN with a schedule slippage of nine (9) days. Due to the threshold limits levied to the Site Manager for this JP, the FCCB adhoc members along with the Site Manager, recommended approval of the FCR. Documentations for submission to the Project CCB for final approval was prepared.
- c. Provided operations support for field site characterization activities.
- d. Continued reviewing Motor Pool activities, verifying vehicle utilization, field support response and, maintenance requirements.
- e. Continuing inventory of property in building 4015, FOC.
- f. Establishing a Photo/graphics coordination program.
- g. YMPO Quality Assurance representative has set-up office in the Yucca Mountain Site Office. This was effective as of January 10, 1992.

JAN 15 1992

- B. Project Safety and Health, (DOE/SAIC)
 - a. Provided support for on-going field site characterization activities.
 - b. Coordinated scheduling of 06-04 review of YMP Safety & Health Plan and four administrative procedures.
 - c. Distributed revised draft DOE Safety and Health Five-Year Plan development manual.
 - d. Inspected BIR 800 drill rig for safety and IH purposes.
 - e. Completed revision of Hazardous Chemical Inventory and sent P&P copy for review.
 - f. Completed investigation phase of Bus 114 incident.

- 2. Raytheon Services Nevada, (RSN)
 - a. Survey crew continued work on the Area 25 control net.
 - b. The Field Engineering Group checked the Trench 14 walls on a daily basis in order to determine its suitability for continued operations.
 - c. The Field Engineering Group writing and revising internal procedures.

- 3. Sample Management Facility, (SMF/SAIC)
 - a. Personnel participated in and provided support to the tours conducted of the YMP during this period.
 - b. Continued processing core and logging cuttings from JF-3.
 - c. Completed processing specimens from UZN-54 and UZN-55. Specimens to be shipped week of 01/06.
 - d. Processing cutting specimens for Dave Broxton, LANL.
 - e. SMF staff attended Audit Training class, 01/02.
 - f. Logging core from USW UZN-37.

JAN 15 1992

- g. Removed 31 specimens from prototype core for University of Arizona.
- h. Received LM-300 drill rig for storage at SMF yard.

4. YMP Hydrologic Research Facility, (USGS)

- a. Participated in and provided support to the tours conducted of the YMP during this period.
- b. Normal data retrieval from instrumented holes on Yucca Mountain by Saturated Zone Group.
- c. Field personnel conducting neutron logging in the field.
- d. Meteorological Project continuing to collect satellite data, precipitation data and synoptic scale weather chart information.
- e. Continuing to analyze core from UZN-54.
- f. Jon Woolverton worked with HRF Staff on open items and IDAS prototype work, 1/6 to 1/10.
- g. J. Whelan at HRF to attend SOC meeting.

5. Reynolds Electrical and Engineering Co., Inc., (REECo)

Activities conducted during week ending January 3, 1992:

- a. Drilling Department - No activity.
- b. Logistics Department - Continued requisitioning supplies, materials, and services for YMP Field Operations Center.
- c. Construction Department - No report submitted.

6. Los Alamos National Laboratory, (LANL)

- a. LANL Criteria Letter for UZ-16 drill hole based upon SCP Study submitted to DOE.

7. Documents and Records Center, (SAIC)

Activities during week ending January 3, 1992:

- a. Attended FOC staff meeting.

JAN 15 1992

- b. Met with Records Management to provide status on DRC action items.
- c. Received software from Information Handling Services for the DRC.
- d. Received a Computer, Dot Matrix Printer, ad Uniscan 300 Bar Code Reader for use on DRC activities.
- e. Began revising DRC Customer Service Info Brochure.
- f. Copied 288 pages for YMP staff.
- g. Issued 0 controlled documents.
- h. Reproduced 12 engineering copies.
- i. Issued 6 uncontrolled documents.

Activities during week ending January 10, 1992:

- a. Received and issued JP 92-1, Rev. 1, "Drilling of Well JF-3 Testing Support and Related Construction" for controlled distribution.
- b. Met with REECo (J. Henze) regarding DRC activities.
- c. Reviewed and commented on Document and Records Control Division Action Item Schedule.
- d. Met with Project Office QA regarding Participants' records.
- e. Submitted draft "DRC Customer Service Info Brochure, Rev. 1" to Records Management for review and comment.
- f. Copied 1,978 pages for YMP staff.
- g. Issued 42 controlled documents.
- h. Reproduced 52 engineering copies.
- i. Issured 55 uncontrolled documents.

Carl P. Gertz

-5-

JAN 15 1992

8. Field Training

- a. No training classes were conducted during this period.
- b. Continuing to assess field training requirements.
- c. Developing "Radio Communications" class. Training will be available 02/92.

Winifred A. Wilson

Winifred A. Wilson
Site Manager

YMP:WAW-203

CC:

R. M. Cameron, MACTEC/YMSO, M/S 717
R. R. Schneider, SAIC/YMSO, M/S 717
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