



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

Reply to:
301 E. Stewart Ave., #203
Las Vegas, NV 89101

Tel: (702) 388-6125

TO: Joseph Holonich, Director, HLPD, M/S 4 H 3
FROM: Sr. On-Site Licensing Representatives Office, Las Vegas
DATE: JANUARY 14, 1993
SUBJECT: OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE
WEEKS ENDING NOVEMBER 27, DECEMBER 25, 1992, AND JANUARY 1,
1993; YMSO FIELD ACTIVITY REPORT FOR WEEKS ENDING 12/25 AND
12/31/92

Please find enclosed the above-referenced reports.

There is nothing requiring specific management attention in the reports.

cc: w/enc.: Charlotte Abrams, M/S 4 H 3
Rosetta Virgilio, M/S 3 D 23
Dean Kunihiro, Region 5

nan

NOTE TO CHARLOTTE - Also enclosed: DAILY OPERATIONS REPORTS, WEEKLY
INTERACTIONS CALENDAR, AND FIELD TEST COORDINATOR'S
REPORT FOR THE PERIOD OF 11/16-20 AND 11/23-25/92

Substantive on shelf

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nan

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Department of Energy
Yucca Mountain Site Characterization
Project Office
P. O. Box 98608
Las Vegas, NV 89193-8608

WBS 1.2.9.2
QA: N/A

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
NOVEMBER 27, 1992

Started the Exploratory Studies Facility (ESF) site preparation construction activities on November 25, 1992, immediately after receiving the Energy Systems Acquisition Advisory Board's (ESAAB) approval. Initial construction activities involved the removal of topsoil from the rock storage area. Construction of the access road from H Road to the North Portal Pad will begin on November 30, 1992.

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

A. Site Characterization Planning

Field Operations

Three drill rigs were operating this week: the LM-300 drill rig at Borehole UZ-16, the CME-850 drill rig at Neutron Access Borehole USW UZN-58, and the Joy 1 drill rig at Borehole NRG-6.

Crews are mobilizing to start ESF construction this week.

On Job Package 92-3, drilling activities continue with the LM-300 drill rig on Borehole UZ-16. As of November 23, 1992, Reynolds Electrical & Engineering Co., Inc. (REECo), had cored to a depth of 1083.27 feet and reamed to 1069.02 feet.

Sample Management Facility

Processing of core and recovery of core and cuttings from UE25 UZ-16 continued. Also, processing of core from USW UZN-58 continued. Testing of the dust collection system for dry-cut saws was successfully completed.

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Site Investigations

After completion of mapping and descriptions, Trenches MWV-T5 and MWV-T7 in the ESF North Access site area were backfilled.

Geophysical and camera logging were completed at Borehole NRG-1; the borehole was prepared for plugging and abandonment.

Backfilling of test pits and trenches in the footprint of the ESF North Portal pad is underway. All pit and trench logging and sampling is complete.

Drilling on Borehole NRG-6 commenced this week with an initial 6 feet of hole penetration on November 23, 1992.

Fracture pavement mapping at the NRG-1 pavement and mapping of the Fran Ridge test pit is complete.

The CME-850 drill rig was mobilized at the USW UZN-59 site; drilling will commence following the plugging and abandonment of NRG-1.

Regulatory InteractionsSite Characterization Progress Report (PR)

PR 6 was approved by the Secretary of Energy on November 19, 1992. The Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O) prepared the camera-ready copy; it was sent from the Yucca Mountain Site Characterization Project Office (YMPO) to RW-2 by overnight mail the same day. Distribution of PR 6 is expected in early December 1992. YMPO has received some comments on the review draft of PR 7.

ESF Task Force Activities

The following milestones represent the near-term plan for ESF activities:

| | |
|-------------------------------------|-------------------|
| Release Tunnel Boring Machine (TBM) | |
| Request for Proposal | December 15, 1992 |
| Receive TBM Vendor Proposals | January 1993 |
| Award TBM Contract | TBD |
| ESAAB Approval to Start Work | November 25, 1992 |
| Start ESF Site Preparation | November 25, 1992 |
| Start Excavating TBM Launch Chamber | April 2, 1993 |

Site Characterization Plan (SCP) Study Plan (SP) Status

Two SPs were approved by YMPO this week: SP 8.3.1.3.4.2, "Biological Sorption and Transport," and SP 8.3.1.8.2.1, "Analysis of Waste Package Rupture due to Tectonic Processes and Events."

STUDY PLAN BREAKDOWN

| | |
|---|----|
| In Screening Review | 0 |
| In YMPO and U.S. Department of Energy (DOE)/Headquarters (HQ) Review | 7 |
| Awaiting Comment Resolution | 9 |
| Awaiting Author Revision | 4 |
| In YMPO/HQ Verification Audit | 5 |
| Preparing to Submit or Awaiting YMPO Approval | 3 |
| Awaiting Submission to the U.S. Nuclear Regulatory Commission (NRC) | 5 |
| NRC Phase 1 Review | 15 |
| NRC Acceptance | 28 |
| Total | 76 |

SCP/SP Status:

| | |
|---|-----|
| Total SPs Assigned to Cover 106 Studies | 103 |
| SPs Not Yet Submitted for Review | 35 |
| SPs Submitted for Initial Review | 68 |
| Revised SPs Submitted for Review | 5 |
| Revised ESF SPs Submitted for Review | 3 |
| Total SPs Submitted for Review | 76 |

State of Nevada Comments Status:

| | |
|--|----|
| Received Comments from the State of Nevada | 10 |
| Responses Transmitted to the State of Nevada | 10 |

NRC Comments Status:

| | |
|--|----|
| Received Comments from NRC | 17 |
| Responses Transmitted from OGD to DOE/HQ | 16 |

Critical ESF SP Status:

SP 8.3.1.2.2.4, "Characterization of the Yucca Mountain Unsaturated Zone Percolation ESF Study," will be submitted to YMPO by December 1, 1992.

The YMPO completed screening review of SP 8.3.1.4.2.2, Revision 2, "Characterization of Structural Features Within the Site Area." The SP is currently undergoing YMPO technical review.

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B. Project Planning and Control

Revised fiscal year (FY) 1993 cost/schedule planning data were received from all participants and are being processed. The costs and schedules are based on FY 1993 funding and assumptions/priorities. The Planning and Control System Project Control group is analyzing the data to see if it is acceptable for baselining.

Technical direction letters regarding participant planning data for review and work authorization signature were distributed for the Division Directors.

The staff attended last week's ESAAB meeting in Washington, D.C. The Board provided verbal approval for Key Decision 3A: Start ESF Site Preparation/Construction. Formal written approval was received November 25, 1992.

C. Quality Assurance Implementation

Determination of Importance and Grading Enhancement

Quality (Q) List and Q-List Procedure Development

Management Control (MC) List and Procedure Development

Implementation

The Assessment Team (AT) recommended acceptance of the Raytheon Services Nevada (RSN) classification on access roads and topsoil storage area thereby allowing field work to begin on November 24, 1992. Review of the classification report on the TBM continues.

The AT is now focusing its resources on classification and development of the Q and MC Lists.

D. Public Outreach and Institutional Activities

A tour to Yucca Mountain, Nevada, was conducted on November 23, 1992, for ten guests of the Palo Verde Nuclear Power Station. Michael Voegele, Technical and Management Support Services (T&MSS), gave a pretour briefing to the group. A tour was also conducted on November 24, 1992, for three guests from Lawrence Livermore National Laboratory (LLNL).

Michael Voegele provided a general overview presentation to the West Las Vegas Community Leaders on November 23, 1992, in Las Vegas, Nevada. Approximately 20 people attended the presentation.

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Richard Arnold, a consultant, gave an educational presentation to approximately 300 students in kindergarten through third grades at the Martin Luther King Elementary School on November 24, 1992, in Las Vegas.

Mindy Wadkins and Melinda d'Ouille, both from T&MSS, gave a presentation on public acceptance and the YMP Outreach programs to the Japan Atomic Industrial Forum on November 25, 1992. The presentation was provided to approximately 10 people at the Las Vegas Yucca Mountain Information Office.

A. C. Robison, YMPO, and Beatrice Reilly and Paul Seidler, both from Science Applications International Corporation, attended two meetings in Washington, D.C., on November 24, 1992. The first meeting, the Public Involvement Model Review Meeting, involved reviewing the model as a decision-aiding tool in determining when an Office of Civilian Radioactive Waste Management (OCRWM) activity should be subject to public review and comment. The second meeting, the OCRWM Communications Handbook Meeting, involved a review of the preliminary draft of the handbook. The handbook is designed to strengthen the program's communications efforts, clarify DOE policies and procedures with regard to communications and offer information on available resources to assist staff with their communications needs.

II. ANALYSIS & VERIFICATION DIVISION

The staff presented a briefing on the Occurrence Reporting and Processing System to YMP personnel on November 23, 1992, in Las Vegas.

Conference papers were reviewed for the upcoming 1992 Materials Research Society Meeting on the Scientific Basis for Waste Management session on Performance Assessment relating to Engineered Barrier Systems.

The staff began preparing papers on the Waste Acceptance Process for High-Level Vitrified Waste for the 1993 International High-Level Radioactive Waste Management Conference in Las Vegas and the Waste Management 1993 Symposium in Tucson, Arizona.

Alan Berusch was appointed to chair the Nuclear Waste Engineering Materials Development Subcommittee of the DOE Energy Materials and Coordinating Committee.

III. GENERAL INFORMATION ITEMS

LLNL

Hydrothermal calculations of the heat and fluid flow in the saturated zone (SZ) due to the radioactive waste heat have geochemical consequences in the SZ due to increased temperatures and flow rates. Scoping calculations of these impacts are underway, including the possibility of simulating them in LLNL's Large Block Tests.

LLNL testing is being modified in response to the proposed accelerated ESF schedule. Two tests may be required in the north ramp, and two additional tests may be required on the Main Test Level to provide the data needed for the site suitability determination and the license application.

Los Alamos National Laboratory (Los Alamos)

A Los Alamos milestone report, "Geological Evaluation of Six Nonwelded Tuff Sites in the Vicinity of Yucca Mountain, Nevada, for a Surface-Based Test Facility for the YMP," was completed and will be submitted to YMPO for review and approval.

Approval was received from YMPO on a conference abstract, "Distribution of Fracture-Lining Zeolites at Yucca Mountain, Nevada," and a conference paper, "Surface-Discharging of Hydrothermal Systems at Yucca Mountain--Examining the Evidence."

A field trip was held to observe the geochronology of Cind-R-Lite volcanic center and to coordinate the volcanism studies with the tectonic studies of the U.S. Geological Survey (USGS).

RSN

The TBM specification was completed and approved by YMPO.

REECO

Representatives from the Information Management Department attended a teleconference of the DOE Special Interest Group (SIG) Committee on DOE/NQA-1 and the National Archive and Records Association Committee on Records Terminology. The initial task is to establish a list of documents that contain terminology applicable to the OCRWM records management program. The committee will review these documents for use and comparison of definition of terms. This will provide a basis to evaluate the terms and definitions, and make recommendations to the Nuclear Information Records Management Association DOE SIG.

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TEMSS

The Institutional and External Affairs staff have distributed over 7,000 new folders and fact sheets. This included the "Why are Scientists Studying Yucca Mountain?" folder and the following fact sheets:

1. "Why Yucca Mountain?"
2. "What Happens During Site Characterization"
3. "Sample Management Facility"
4. "What is Nuclear Fuel and Waste?"
5. "Preserving through Cooperation"
6. "Studying the Movement of Rock and Earthquakes"
7. "Nevadans' Average Radiation Exposure"
8. "Volcanoes and Yucca Mountain"

The folders and fact sheets are part of the new product line and are printed on recycled paper.

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 coordinated by the Speakers Bureau; contact Linda Artis at (702) 794-7896 or Theresa Hirsch at (702) 794-7759 for additional information. Exhibits are coordinated by Kevin Rohrer at (702) 794-7769, Public Update Meetings are coordinated by Joanna Magruder at (702) 794-7056, and tours are coordinated 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> | | | |
| Friday, December 4 | Executive Committee Meeting | Washington, DC | C. Gertz |
| B. <u>CRWMS M&O/DOE Meetings</u> | | | |
| Thursday, December 3 | CRWMS M&O Program Management Review | Vienna, VA | C. Gertz |
| C. <u>Internal and DOE/NV Meetings</u> | | | |
| Monday, December 7 | State of the Project | Denver, CO | C. Gertz |
| Friday, December 11 | Technical Project Officers Meeting | Las Vegas, NV | C. Gertz |
| Friday, December 11 | Planning and Budget Meeting | Las Vegas, NV | C. Gertz |

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|--|---|--------------------|---------------------|
| D. <u>NRC Interactions</u> | | | |
| Monday- Tuesday, December 14-15 | Technical Exchange - Total System Performance Assessment (P) | Rockville, MD | T. Bjerstedt |
| TBD 1993 | Technical Exchange - Volcanism (P) | Albuquerque, NM | T. Bjerstedt |
| E. <u>Nuclear Waste Technical Review Board (NWTRB) Interactions</u> | | | |
| Tuesday- Wednesday, January 5-6, 1993 | NWTRB Full Board Meeting (P) | Arlington, VA | J. Cooper |
| February or March 1993 TBD | NWTRB HG&G Panel Meeting (P) | TBD | J. Cooper |
| Tuesday- Friday, April 20-23, 1993 | NWTRB Full Board Meeting (P) | Reno, NV | J. Cooper |
| Tuesday, June 1, 1993 | NWTRB International Trip | TBD | J. Cooper |
| Monday- Thursday, July 12-15, 1993 | NWTRB Full Board Meeting (P) | Denver, CO | J. Cooper |
| Tuesday- Friday, October 19-22, 1993 | NWTRB Full Board Meeting (P) | Las Vegas, NV | J. Cooper |
| F. <u>Advisory Committee on Nuclear Waste (ACNW) Interactions</u> | | | |
| Wednesday, December 16 | ACNW WG on PA - Phase 2 HLW Interactive PA by NRC (P) | Bethesda, MD | A. Gil |
| Thursday- Friday, December 17-18 | ACNW 49th Meeting (P) | Bethesda, MD | A. Gil |

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|--|-----------------------|-----------------|---------------------|
| F. <u>ACNW Interactions</u> (Continued) | | | |
| Wednesday- Thursday, January 27-28, 1993 | ACNW 50th Meeting (P) | Bethesda, MD | A. Gil |
| Wednesday- Thursday, February 24-25, 1993 | ACNW 51st Meeting (P) | Bethesda, MD | A. Gil |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|--|---|------------------|----------------|
| G. <u>State and Public Interactions</u> | | | |
| Monday, November 30 | ESF Groundbreaking Media Briefing | Las Vegas, NV | C. Gertz |
| Tuesday, December 1 | J. E. Manch Elementary School | Las Vegas, NV | R. Arnold |
| Tuesday, December 1 | Wells, NV Debate Forum | Wells, NV | A. Robison |
| Tuesday, December 1 | Amargosa Elementary School | Amargosa, NV | M. Pitterle |
| Tuesday December 1 | Orr Junior High School | Las Vegas, NV | C. Newbury |
| Tuesday December 1 | Community College of Southern Nevada | Las Vegas, NV | G. Fasano |
| Tuesday, December 1 | YMP Business Opportunity Briefing | Las Vegas, NV | C. Gertz |
| Tuesday- Wednesday, December 1-2 | Henderson Community College | Henderson, NV | M. Powell |
| Thursday, December 3 | Court Continuation School | Las Vegas, NV | R. Arnold |
| Thursday, December 3 | Orr Junior High School | Las Vegas, NV | M. Foley |
| Monday, December 7 | State of the Project, USGS | Denver, CO | C. Gertz |

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|---|--|-----------------------|----------------|
| G. <u>State and Public Interactions</u> (Continued) | | | |
| Tuesday, December 8 | KATZ Elementary School | Las Vegas, NV | R. Arnold |
| Wednesday, December 9 | Indian Springs Elementary School | Indian Springs, NV | R. Arnold |
| Thursday, December 10 | Savannah Chapter of American Nuclear Society (ANS) | Aiken, SC | M. Blanchard |
| Monday, December 14 | NRC Commissioner Curtis Pretour Briefing | Las Vegas, NV | C. Gertz |
| Wednesday, December 16 | Orr Junior High School | Las Vegas, NV | L. Flint |
| Thursday, January 7, 1993 | Nevada Development Authority | Las Vegas, NV | C. Gertz |
| Monday, January 11, 1993 | Las Vegas Host Lions Club | Las Vegas, NV | T. Geer |
| Tuesday- Wednesday, January 12-13, 1993 | Marion Earl Elementary School | Las Vegas, NV | A. Gil |
| Wednesday, January 13, 1993 | Association of Professional Mortgage Women | Las Vegas, NV | J. Younker |
| Wednesday, January 13, 1993 | ANS | Schenectady, NY | C. Gertz |
| Thursday, January 14, 1993 | ANS | Parsippany, NJ | C. Gertz |
| Saturday, January 16, 1993 | Girl Scout Troop 319 | Las Vegas, NV | A. Gil |
| Tuesday, February 23, 1993 | University of Iowa | Ames, IA | C. Gertz |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|---|---|-----------------|----------------|
| G. <u>State and Public Interactions</u> (Continued) | | | |
| Tuesday, May 4, 1993 | Underground Structures Colorado School of Mines | Golden, CO | C. Gertz |

| <u>Date</u> | <u>Event</u> | <u>Location</u> |
|-------------------------------------|-------------------------------|----------------------|
| H. <u>Exhibits Scheduled</u> | | |
| Monday- Friday, December 7-11 | American Geophysical Union | San Francisco, CA |
| Saturday, December 12 | Public Open House (P) | Las Vegas, NV |

| <u>Date</u> | <u>Event</u> | <u>Escorts</u> |
|---------------------------|---|-----------------|
| I. <u>Tours Scheduled</u> | | |
| Monday, November 30 | ESF Groundbreaking | TBD |
| Monday, November 30 | Fluor Daniel | H. Dokuzoguz |
| Tuesday, December 1 | Paradise Christian Academy | TBD |
| Wednesday, December 2 | YMP Business Opportunity | TBD |
| Thursday, December 3 | Pahrump Middle School | TBD |
| Thursday, December 3 | TRB/State of Nevada Environmental | W. Dixon |
| Monday, December 7 | UNLV Cooperative Agreement Group | M. Powell |
| Tuesday, December 8 | Bonanza/Cheyenne Las Vegas Rotary Club | TBD |
| Saturday, December 12 | Public Open House (P) | Various Escorts |
| Monday, December 14 | NRC Commissioner Curtis | TBD |

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| <u>Date</u> | <u>Event</u> | <u>Escorts</u> |
|---------------------------------------|--|-----------------|
| I. <u>Tours Scheduled</u> (Continued) | | |
| Saturday, January 16, 1993 | Public Open House (P) | Various Escorts |
| Wednesday, January 20, 1993 | Tonopah Middle School | TBD |
| Wednesday, February 3, 1993 | Green Valley High School | TBD |
| Saturday, February 20, 1993 | Public Open House (P) | Various Escorts |
| Wednesday, February 24, 1993 | Tonopah Middle School | TBD |
| Thursday, March 11, 1993 | Meadows School | TBD |
| Thursday, March 18, 1993 | Gabs School | TBD |
| Wednesday, March 24, 1993 | Thurman White Middle School | TBD |
| Thursday, April 1, 1993 | Orr Junior High School | TBD |
| Monday, April 19, 1993 | Hydrology Field Trip | A. Flint |
| Tuesday, April 20, 1993 | Round Mountain High School | TBD |
| Monday, April 26, 1993 | High-Level Waste Conference | TBD |
| Monday, June 21, 1993 | Girl Scouts Wider Opportunity Program | TBD |

Not 
 Carl P. Gertz
 Project Manager



Department of Energy
 Yucca Mountain Site Characterization
 Project Office
 P. O. Box 98608
 Las Vegas, NV 89193-8608

WBS 1.2.9.2
 QA: N/A

JAN 04 1993

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
 DECEMBER 25, 1992

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

A. Site Characterization Planning

Field Operations

Drilling and construction activities are at a stand down for two weeks due to the holidays.

Sample Management Facility

Processing of core and cuttings from UE25 UZ-16 and USW UZN-61 continued. Processing of core from USW NRG-6 also continued. Drilling was completed on USW UZN-61. Attempts to recover the severed coring tools along with seven feet of core from UE25 UZ16 have been unsuccessful.

Exploratory Studies Facility (ESF) Task Force Activities

The balance of Design Package 1A was released for construction planning on December 21, 1992. It will be released for construction when four remaining classification analyses are completed and accepted. The following milestones represent the near-term plan for ESF activities:

| | |
|--|------------------|
| Receive Tunnel Boring Machine (TBM) Vendor Proposals | February 9, 1993 |
| Award Subcontract for Underground Construction | March 1993 |
| Award TBM Contract | April 1993 |
| Start Excavating TBM Launch Chamber | April 2, 1993 |

Site Characterization Plan (SCP) Study Plan (SP) Status

One SP revision was approved by the Yucca Mountain Site Characterization Project Office (YMPO) this week: SP 8.3.1.4.2.2, Revision 2, "Characterization of Structural Features Within the Site Area."

STUDY PLAN BREAKDOWN

| | |
|---|----|
| In Screening Review | 0 |
| In YMPO and U.S. Department of Energy (DOE)/Headquarters (HQ) Review | 7 |
| Awaiting Comment Resolution | 8 |
| Awaiting Author Revision | 4 |
| In YMPO/HQ Verification Audit | 8 |
| Preparing to Submit or Awaiting YMPO Approval | 1 |
| Awaiting Submission to the U.S. Nuclear Regulatory Commission (NRC) | 7 |
| NRC Phase 1 Review | 16 |
| NRC Acceptance | 28 |
| Total | 79 |

SCP/SP Status:

| | |
|---|-----|
| Total SPs Assigned to Cover 106 Studies | 104 |
| SPs Not Yet Submitted for Review | 36 |
| SPs Submitted for Initial Review | 68 |
| Revised SPs Submitted for Review | 5 |
| Revised ESF SPs Submitted for Review | 6 |
| Total SPs Submitted for Review | 79 |

State of Nevada Comments Status:

| | |
|--|----|
| Received Comments from the State of Nevada | 10 |
| Responses Transmitted to the State of Nevada | 10 |

NRC Comments Status:

| | |
|--|----|
| Received Comments from NRC | 17 |
| Responses Transmitted from OGD to DOE/HQ | 16 |

Critical ESF SP Status:

The comment resolution meeting on SP 8.3.1.2.2.4, "Characterization of the Yucca Mountain Unsaturated Zone Percolation ESF Study," was held on December 18, 1992. The comment verification draft was promised by December 28, 1992.

As indicated above, SP 8.3.1.4.2.2, Revision 2, "Characterization of Structural Features Within the Site Area," was approved by YMPO; it is scheduled for submittal to NRC by January 7, 1993.

B. Project Planning and Control

The November 1992 cost and schedule performance report booklets were compiled and distributed for Project Manager Carl Gertz, the Division Directors, and project work breakdown structure element managers. The performance report booklets were also provided to several Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O) functional managers.

A cost/schedule change request, which adds fiscal year (FY) 1992 carryover funding to the FY 1993 cost baseline, was prepared.

C. Quality Assurance (QA) Implementation

Determination of Importance and Grading Enhancement

Implementation

The Assessment Team (AT) provided an acceptance recommendation to YMPO for the CRWMS M&O's classification plan.

The AT is initiating efforts to determine the classification of the natural barriers Important to Waste Isolation as a step in developing the Quality (Q)-List. The effort will consist of an initial (short-term) classification based on existing basis information and expert judgment, followed by a comprehensive (long-term) performance assessment effort to confirm and refine the Q-List.

Scoping continues on the phase-out plan for Administrative Procedure 6.17Q, Classification of Items.

D. Public Outreach and Institutional Activities

The Institutional and External Affairs staff produced the video, "The Yucca Mountain Studies--ESF." The twenty-minute video, which is intended for a technical audience, depicts surface and laboratory site characterization activities. The video also uses computer animation to explain the underground design and tests planned for the ESF.

Carl Gertz and A. C. Robison, YMPO, conducted briefings with Nevada legislators December 22-23, 1992, at the Las Vegas Yucca Mountain Information Office.

II. ANALYSIS & VERIFICATION DIVISION

Two transition briefing paper responses were revised on site characterization and Nuclear Waste Technical Review Board (NWTB).

Review of the Defense Waste Processing Facility Waste Qualification Report (WQR), Volume 1, and West Valley WQR, Package 1, was initiated in preparation for the January 1993 Technical Review Group comment consensus meeting in Augusta, Georgia.

III. GENERAL INFORMATION ITEMS

Los Alamos National Laboratory

Porous cups for the lower-boundary device for the caisson experiment have been tested in the laboratory. The lower-boundary device will be installed as soon as the necessary health and safety issues for caisson access have been satisfied.

Lawrence Livermore National Laboratory

At the request of CRWMS M&O, repository scale (including the saturated zone) hydrothermal calculations were conducted at Areal Power Densities of 20 and 114 kW/acre and for burnups of 21, 26, and 30 years (corresponding to Youngest Fuel First-YFF, Oldest Fuel First-OFF, and reference cases). For the 20 kW/acre cases, peak temperatures are similar (55 to 60 degrees Celsius [C]), but the time of peak temperature varies from 150 to 729 years. Most of the temperature buildup occurs during the first 100 years in each case; this time is too short to smooth package-to-package and drift-to-drift temperature profiles and, hence, the actual peak temperatures would be higher. For the 114 kW/acre cases, the peak temperature ranges from 178 to 203 degrees C at times between 122 and 602 years; again, most of the temperature buildup occurs in the first 100 years. For these 114 kW/acre cases, the duration of boiling ranges from 7331 to 11,450 years; these times are long enough to smooth local temperature variations.

CRWMS M&O

The first four classification analyses for the ESF surface design were completed. This is a prerequisite to the release of the engineering drawings for construction.

U.S. Geological Survey (USGS)

The staff addressed open items of the NRC's Site Characterization Analysis relating to SP 8.3.1.4.2.2, "Characterization of Structural Features Within the Site Area." At the urgent request of DOE/CRWMS M&O, responses were provided for Comment 36 and Question 5. Detailed mapping of the ESF excavations will provide information to characterize the imbricate fault zone (Comment 36), now that the ESF no longer includes a perimeter drift. Low-angle, large-bore ESF ramps and drifts will provide information on vertical and near-vertical structures (Question 5).

The U.S. Bureau of Reclamation submitted NRG-1 core fracture and pavement data to USGS Participant Data Archives in December 1992. The data will be used in starter tunnel design, which is on an accelerated schedule. NRG-1 pavement data were used in support of the surface facilities exploration program (SCP 8.3.1.14.2.1) and soil and rock investigations for potential surface facilities (SCP 8.3.1.14.2.2).

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 coordinated by the Speakers Bureau; contact Linda Artis at (702) 794-7896 or Theresa Hirsch at (702) 794-7759 for additional information. Exhibits are coordinated by Kevin Rohrer at (702) 794-7769, Public Update Meetings are coordinated by Joanna Magruder at (702) 794-7056, and tours are coordinated by Carleen Hill at (702) 794-7375.

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|--|--|-------------------|---------------------|
| A. <u>DOE/HO Meetings</u> | | | |
| Wednesday- Thursday, February 10-11, 1993 | First OCRWM Quarterly Program Review | Las Vegas, NV | C. Gertz |
| Friday, January 15, 1993 | Program Management Meeting | Washington, DC | C. Gertz |
| B. <u>CRWMS M&O/DOE Meetings</u> | | | |
| Wednesday, January 27, 1993 | CRWMS M&O Program Management Review | Las Vegas, NV | C. Gertz |
| Wednesday, February 24, 1993 | CRWMS M&O Program Management Review | Vienna, VA | C. Gertz |
| C. <u>Internal and DOE/Nevada Field Office Meetings</u> | | | |
| Wednesday, January 20, 1993 | DOE/NV Monthly Program Review | Las Vegas, NV | C. Gertz |
| Wednesday, February 17, 1993 | DOE/NV Monthly Program Review | Las Vegas, NV | C. Gertz |

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The U.S. Bureau of Reclamation submitted NRG-1 core fracture and pavement data to USGS Participant Data Archives in December 1992. The data will be used in starter tunnel design, which is on an accelerated schedule. NRG-1 pavement data were used in support of the surface facilities exploration program (SCP 8.3.1.14.2.1) and soil and rock investigations for potential surface facilities (SCP 8.3.1.14.2.2).

IV. UPCOMING EVENTS CALENDAR

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|---|--|-------------------|---------------------|
| A. <u>DOE/HQ Meetings</u> | | | |
| Friday, January 15, 1993 | Program Management Meeting | Washington, DC | C. Gertz |
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| Wednesday, February 24, 1993 | CRWMS M&O Program Management Review | Vienna, VA | C. Gertz |
| C. <u>Internal and DOE/Nevada Field Office (NV) Meetings</u> | | | |
| Wednesday, January 20, 1993 | DOE/NV Monthly Program Review | Las Vegas, NV | C. Gertz |
| Wednesday, February 17, 1993 | DOE/NV Monthly Program Review | Las Vegas, NV | C. Gertz |

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|--|---|----------------------|---------------------|
| <u>D. NRC Interactions</u> | | | |
| March 1993 TBD | NRC Site Visit (P) | Las Vegas, NV | T. Bjerstedt |
| Monday, May 3, 1993 | Management Meeting on Topical Report (P) | Las Vegas, NV | T. Bjerstedt |
| Monday, May 17, 1993 | Technical Exchange - Program Planning and Integration (P) | Video- Conference | T. Bjerstedt |
| Tuesday, May 18, 1993 | Technical Exchange - OCRWM Technical Baseline Documents (P) | Video- Conference | T. Bjerstedt |
| Tuesday, June 8, 1993 | Technical Exchange - Geophysics Integration (P) | Las Vegas, NV | T. Bjerstedt |
| Wednesday June 9, 1993 | Technical Exchange - Volcanism (P) | Las Vegas, NV | T. Bjerstedt |
| Thursday, June 10, 1993 | NRC Management Meeting for Interactions Scheduling (P) | Las Vegas, NV | T. Bjerstedt |
| Wednesday, July 28, 1993 | Technical Exchange - ESF Title II Design (P) | TBD | T. Bjerstedt |
| <u>E. NWTRB Interactions</u> | | | |
| Tuesday- Wednesday, January 5-6, 1993 | NWTRB Full Board Meeting (P) | Arlington, VA | J. Cooper |
| February or March 1993 TBD | NWTRB HG&G Panel Meeting (P) | TBD | J. Cooper |
| Tuesday- Friday, April 20-23, 1993 | NWTRB Full Board Meeting (P) | Reno, NV | J. Cooper |
| Tuesday- Saturday, June 1-12, 1993 | NWTRB International Trip | TBD | J. Cooper |

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|---|---------------------------------|------------------|---------------------|
| E. <u>NWTRB Interactions (Continued)</u> | | | |
| Monday- Thursday, July 12-15, 1993 | NWTRB Full Board Meeting (P) | Denver, CO | J. Cooper |
| Tuesday- Friday, October 19-22, 1993 | NWTRB Full Board Meeting (P) | Las Vegas, NV | J. Cooper |
| F. <u>Advisory Committee on Nuclear Waste (ACNW) Interactions</u> | | | |
| Wednesday- Thursday, January 27-28, 1993 | ACNW 50th Meeting (P) | Bethesda, MD | A. Gil |
| Wednesday- Thursday, February 24-25, 1993 | ACNW 51st Meeting (P) | Bethesda, MD | A. Gil |
| Wednesday- Thursday, March 24-25, 1993 | ACNW 52nd Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, April 28-29, 1993 | ACNW 53rd Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, May 19-20, 1993 | ACNW 54th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, June 23-24, 1993 | ACNW 55th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, July 21-22, 1993 | ACNW 56th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, August 25-26, 1993 | ACNW 57th Meeting (P) | TBD | A. Gil |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|---|-----------------------|-----------------|---------------------|
| F. <u>ACNW Interactions (Continued)</u> | | | |
| Wednesday- Thursday, September 22-23, 1993 | ACNW 58th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, October 27-28, 1993 | ACNW 59th Meeting (P) | TBD | A. Gil |
| Monday- Tuesday, November 22-23, 1993 | ACNW 60th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, December 15-16, 1993 | ACNW 61st Meeting (P) | TBD | A. Gil |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|--|--|--------------------|----------------|
| G. <u>State and Public Interactions</u> | | | |
| Thursday, January 7, 1993 | Nevada Development Authority | Las Vegas, NV | C. Gertz |
| Thursday, January 7, 1993 | Nye County Task Force Meeting | Pahrump, NV | P. Standish |
| Monday, January 11, 1993 | Las Vegas Host Lions Club | Las Vegas, NV | T. Geer |
| Tuesday- Wednesday, January 12-13, 1993 | Marion Earl Elementary School | Las Vegas, NV | A. Gil |
| Wednesday, January 13, 1993 | Association of Professional Mortgage Women | Las Vegas, NV | J. Younker |
| Wednesday, January 13, 1993 | American Nuclear Society (ANS) | Schenectady, NY | C. Gertz |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|---|---|-------------------|----------------|
| G. <u>State and Public Interactions (Continued)</u> | | | |
| Thursday, January 14, 1993 | ANS | Parsippany, NJ | C. Gertz |
| Thursday, January 14, 1993 | Archaeo Nevada | Las Vegas, NV | R. Arnold |
| Thursday, January 14, 1993 | Breakfast Lion's Club | Las Vegas, NV | TBD |
| Friday, January 15, 1993 | Dayton High School | Dayton, NV | T. Bjerstedt |
| Saturday, January 16, 1993 | Girl Scouts Troop 319 | Las Vegas, NV | A. Gil |
| Thursday, January 21, 1993 | North Las Vegas Chamber of Commerce | Las Vegas, NV | C. Gertz |
| Wednesday, January 27, 1993 | Cub Scouts Pack #223 | Las Vegas, NV | R. Arnold |
| Tuesday, February 2, 1993 | Huffaker School | Reno, NV | J. Blink |
| Wednesday- Thursday, February 3-4, 1993 | Bijou Elementary School | Lake Tahoe, NV | J. Blink |
| Thursday, February 4, 1993 | Scottish Rite Masons | Las Vegas, NV | P. Standish |
| Wednesday, February 10, 1993 | Martin Luther King, Jr. Elementary School | Las Vegas, NV | R. Arnold |
| Thursday, February 11, 1993 | Chemehuevi District Round Table | Las Vegas, NV | R. Arnold |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|---|---|------------------|----------------|
| G. <u>State and Public Interactions</u> (Continued) | | | |
| Tuesday, February 16, 1993 | Construction Specification Institute | Las Vegas, NV | G. Fasano |
| Tuesday, February 23, 1993 | University of Iowa | Ames, IA | C. Gertz |
| Tuesday, March 2, 1993 | Waste Management '93 | Tucson, AZ | C. Gertz |
| Tuesday- Wednesday, March 23-24, 1993 | Henderson Community College | Las Vegas, NV | M. Powell |
| Tuesday, May 4, 1993 | Underground Structures Colorado School of Mines | Golden, CO | C. Gertz |
| Monday, June 14, 1993 | Rapid Excavation & Tunneling Conference | TBD | C. Gertz |

| <u>Date</u> | <u>Event</u> | <u>Location</u> |
|-------------|--------------|-----------------|
|-------------|--------------|-----------------|

H. Exhibits Scheduled

None currently scheduled.

| <u>Date</u> | <u>Event</u> | <u>Escorts</u> |
|-------------|--------------|----------------|
|-------------|--------------|----------------|

I. Tours Scheduled

| | | |
|--------------------------------|---|----------------------|
| Saturday, January 16, 1993 | Public Open House (P) | Various Escorts |
| Wednesday, January 20, 1993 | Tonopah Middle School | TBD |
| Friday, January 22, 1993 | Churchill County Opportunity Program | C. Binzer C. Hill |
| Monday, January 25, 1993 | Japan Electric Power | P. Close |
| Thursday, January 28, 1993 | Joe Mackey Sixth Grade Center | TBD |
| Wednesday, February 3, 1993 | Green Valley High School | TBD |

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| <u>Date</u> | <u>Event</u> | <u>Escorts</u> |
|---------------------------------------|--|-----------------|
| I. <u>Tours Scheduled</u> (Continued) | | |
| Wednesday, February 3, 1993 | Foreign Press | S. Patrick |
| Saturday, February 20, 1993 | Public Open House (P) | Various Escorts |
| Wednesday, February 24, 1993 | Tonopah Middle School | TBD |
| Thursday, February 25, 1993 | Senior Tripsters | TBD |
| Friday, March 5, 1993 | Waste Management '93 | TBD |
| Thursday, March 11, 1993 | Meadows School | TBD |
| Thursday, March 18, 1993 | Gabs School | TBD |
| Wednesday, March 24, 1993 | Thurman White Middle School | TBD |
| Saturday, March 27, 1993 | Public Open House (P) | Various Escorts |
| Thursday, April 1, 1993 | Orr Junior High School | TBD |
| Monday, April 19, 1993 | Hydrology Field Trip | A. Flint |
| Tuesday, April 20, 1993 | Round Mountain High School | TBD |
| Monday, April 26, 1993 | High-Level Waste Conference | TBD |
| Monday, June 21, 1993 | Girl Scouts Wider Opportunity Program | TBD |



Carl P. Gertz
Project Manager

YMP:VFI-1678



Department of Energy
Yucca Mountain Site Characterization
Project Office
P. O. Box 98608
Las Vegas, NV 89193-8608

WBS 1.2.9.2
QA: N/A

JAN 1 1 1993

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
JANUARY 1, 1993

I. CRITICAL ITEM STATUS - YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

A. Site Characterization Planning

Field Operations

Drilling and construction activities are at a stand down for two weeks due to the holidays.

Sample Management Facility

No significant items to report.

Exploratory Studies Facility (ESF) Task Force Activities

The following milestones represent the near-term plan for ESF activities:

| | |
|---|------------------|
| Receive Tunnel Boring Machine (TBM) Vendor Proposals | February 9, 1993 |
| Award Subcontract for Underground Construction | March 1993 |
| Award TBM Contract | April 1993 |
| Start Excavating TBM Launch Chamber | April 2, 1993 |

Site Characterization Plan (SCP) Study Plan (SP) Status

One minor SP revision, 8.3.1.2.1.2, Revision 1, "Characterization of the Yucca Mountain Regional Surface-Water Runoff and Streamflow," was approved by the Yucca Mountain Site Characterization Project Office (YMPO) this week. The U.S. Nuclear Regulatory Commission (NRC) completed the Phase I review of one SP, 8.3.1.4.2.1, "Characterization of the Vertical and Lateral Distribution of Stratigraphic Units in the Site Area."

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STUDY PLAN BREAKDOWN

| | |
|---|----|
| In Screening Review | 0 |
| In YMPO and U.S. Department of Energy (DOE)/Headquarters (HQ) Review | 7 |
| Awaiting Comment Resolution | 8 |
| Awaiting Author Revision | 3 |
| In YMPO/HQ Verification Audit | 8 |
| Preparing to Submit or Awaiting YMPO Approval | 2 |
| Awaiting Submission to the NRC | 7 |
| NRC Phase 1 Review | 15 |
| NRC Acceptance | 29 |
| Total | 79 |

SCP/SP Status:

| | |
|---|-----|
| Total SPs Assigned to Cover 106 Studies | 104 |
| SPs Not Yet Submitted for Review | 36 |
| SPs Submitted for Initial Review | 68 |
| Revised SPs Submitted for Review | 5 |
| Revised ESF SPs Submitted for Review | 6 |
| Total SPs Submitted for Review | 79 |

State of Nevada Comments Status:

| | |
|--|----|
| Received Comments from the State of Nevada | 10 |
| Responses Transmitted to the State of Nevada | 10 |

NRC Comments Status:

| | |
|--|----|
| Received Comments from NRC | 17 |
| Responses Transmitted from OGD to DOE/HQ | 16 |

Critical ESF SP Status:

The comment verification draft was received of SP 8.3.1.2.2.4, "Characterization of the Yucca Mountain Unsaturated Zone Percolation ESF Study." Target date for YMPO approval is January 5, 1993.

SP 8.3.1.4.2.2, Revision 2, "Characterization of Structural Features Within the Site Area," was sent to DOE/HQ RW-30, and is scheduled for submittal to NRC by January 7, 1993.

B. Project Planning and Control

No significant items to report.

C. Quality Assurance Implementation

Determination of Importance and Grading Enhancement

No significant items to report.

D. Public Outreach and Institutional Activities

The Institutional and External Affairs (IEA) staff scheduled and began preparations for a tour with Mineral County Commissioners set for April 1993.

The Yucca Mountain Studies printing preparation is in its final stages. Additionally, in process are both the General Public and Educational newsletter/mailers to be distributed in mid-January to approximately 12,000 recipients.

IEA updated the activities video to be shown to the Nuclear Waste Technical Review Board (NWTRB) on January 6, 1993. An introduction by Carl Gertz, Project Manager, was added to the video.

A. C. Robison, YMPO, conducted a briefing for a Nevada legislator on December 29, 1992, at the Las Vegas Yucca Mountain Information Office.

The IEA staff responded to information requests from Truckee Meadows Community College in Reno, Nevada.

Final facility requests were submitted for site development on January 29, 1993, for the ESF North Portal area. IEA's requests include an Observation Room/Deck in fiscal year 1993 and an ESF Center in a future construction phase.

E. Issue Resolution

Comments received on the Erosion Topical Report will be categorized and consolidated at a meeting on January 4, 1993. The next meeting of the Issue Resolution Steering Group will be January 15, 1993, in Las Vegas, Nevada.

A paper for the International High-Level Radioactive Waste Management Conference titled "Progress on the U.S. Department of Energy's Issue Resolution Process: A Status Report" is currently in review at DOE.

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II. ANALYSIS & VERIFICATION DIVISION

Completed review of Defense Waste Processing Facility Waste Qualification Report, Volume 1, in preparation for the January Technical Review Group comment consensus meeting in Augusta, Georgia.

III. GENERAL INFORMATION ITEMSCivilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O)

Completed preparation of an outline that defines the work scope interface boundaries between the repository advanced conceptual design of the surface and subsurface designs.

Participated in the preparation and review of an integrated schedule for advanced conceptual design activities.

Continued to review and modify the COBRA planning documents.

Lawrence Livermore National Laboratory

Hydrothermal calculation which includes the saturated zone (SZ), shows that the SZ heating is a function of the quantity of spent fuel emplaced rather than the geometric design details of its emplacement. Consequently, the hydrothermal and potential geochemical consequences of heat in the SZ should not be considered a design issue, but rather the inherent response of the SZ to the emplacement of a given quantity of spent nuclear fuel.

U.S. Geological Survey

The following two reports were technically reviewed: "Structural Character of the Ghost Dance Fault, Yucca Mountain, Nevada," and "Seismic Reflection Profiling: Essential Geophysical Data For Yucca Mountain, Nevada." The reports were prepared for presentation at the International High-Level Radioactive Waste Management Conference to be held April 26-30, 1993, in Las Vegas.

Hydrology staff monitored the amounts and distribution of precipitation at Yucca Mountain from storms occurring December 28-29, 1992.

IV. UPCOMING EVENTS CALENDAR

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JAN 11 1993

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|---|---|----------------------|---------------------|
| A. <u>DOE/HQ Meetings</u> | | | |
| Friday, January 15, 1993 | Program Management Meeting | Washington, DC | C. Gertz |
| Wednesday- Thursday, February 10-11 | First Office of Civilian Radioactive Waste Management (OCRWM) Quarterly Progress Review | Las Vegas, NV | C. Gertz |
| B. <u>CRWMS M&O/DOE Meetings</u> | | | |
| Wednesday, January 27 | CRWMS M&O Program Management Review | Vienna, VA | C. Gertz |
| C. <u>Internal and DOE Nevada Field Office (NV) Meetings</u> | | | |
| Wednesday, January 20 | DOE/NV Monthly Program Review | Las Vegas, NV | C. Gertz |
| Wednesday, January 20 | Technical Project Officers Meeting | Las Vegas, NV | C. Gertz |
| Wednesday, January 20 | Planning & Budget Meeting | Las Vegas, NV | C. Gertz |
| D. <u>NRC Interactions</u> | | | |
| March TBD | NRC Site Visit (P) | Las Vegas, NV | T. Bjerstedt |
| Monday, May 3 | Management Meeting on Topical Report (P) | Las Vegas, NV | T. Bjerstedt |
| Monday, May 17 | Technical Exchange - Program Planning and Integration (P) | Video- Conference | T. Bjerstedt |
| Tuesday, May 18 | Technical Exchange - OCRWM Technical Baseline Documents (P) | Video- Conference | T. Bjerstedt |

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| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|---|---|------------------|---------------------|
| D. <u>NRC Interactions</u> (Continued) | | | |
| Tuesday, June 8 | Technical Exchange - Geophysics Integration (P) | Las Vegas, NV | T. Bjerstedt |
| Wednesday, June 9 | Technical Exchange - Volcanism (P) | Las Vegas, NV | T. Bjerstedt |
| Thursday, June 10 | NRC Management Meeting for Interactions Scheduling | Las Vegas, NV | T. Bjerstedt |
| Wednesday, July 28 | Technical Exchange - ESF Title II Design (P) | TBD | T. Bjerstedt |
| E. <u>NWTRB Interactions</u> | | | |
| Tuesday- Wednesday, January 5-6 | NWTRB Full Board Meeting (P) | Arlington, VA | J. Cooper |
| February or March TBD | NWTRB HG&G Panel Meeting (P) | TBD | J. Cooper |
| Tuesday- Friday, April 20-23 | NWTRB Full Board Meeting (P) | Reno, NV | J. Cooper |
| Tuesday- Saturday, June 1-12 | NWTRB International Trip | TBD | J. Cooper |
| Monday- Thursday, July 12-15 | NWTRB Full Board Meeting (P) | Denver, CO | J. Cooper |
| Tuesday- Friday, October 19-22 | NWTRB Full Board Meeting (P) | Las Vegas, NV | J. Cooper |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>YMPO Contact</u> |
|---|-----------------------|-----------------|---------------------|
| F. <u>Advisory Committee on Nuclear Waste (ACNW) Interactions</u> | | | |
| Wednesday- Thursday, January 27-28 | ACNW 50th Meeting (P) | Bethesda, MD | A. Gil |
| Wednesday- Thursday, February 24-25 | ACNW 51st Meeting (P) | Bethesda, MD | A. Gil |
| Wednesday- Thursday, March 24-25 | ACNW 52nd Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, April 28-29 | ACNW 53rd Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, May 19-20 | ACNW 54th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, June 23-24 | ACNW 55th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, July 21-22 | ACNW 56th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, August 25-26 | ACNW 57th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, September 22-23 | ACNW 58th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, October 27-28 | ACNW 59th Meeting (P) | TBD | A. Gil |
| Monday- Tuesday, November 22-23 | ACNW 60th Meeting (P) | TBD | A. Gil |
| Wednesday- Thursday, December 15-16 | ACNW 61st Meeting (P) | TBD | A. Gil |

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|---|--|--------------------|------------------------|
| <u>G. State and Public Interactions</u> | | | |
| Thursday, January 7 | Nevada Development Authority | Las Vegas, NV | C. Gertz |
| Thursday, January 7 | Nye County Task Force Meeting | Pahrump, NV | P. Standish |
| Monday, January 11 | Las Vegas Host Lions Club | Las Vegas, NV | T. Geer |
| Tuesday- Wednesday, January 12-13 | Marion Earl Elementary School | Las Vegas, NV | A. Gil |
| Wednesday, January 13 | Association of Professional Mortgage Women | Las Vegas, NV | J. Younker |
| Wednesday, January 13 | American Nuclear Society (ANS) | Schenectady, NY | C. Gertz |
| Thursday, January 14 | ANS | Parsippany, NJ | C. Gertz |
| Thursday, January 14 | Archaeo Nevada | Las Vegas, NV | R. Arnold |
| Thursday, January 14 | Breakfast Lion's Club | Las Vegas, NV | TBD |
| Friday, January 15 | Dayton High School | Dayton, NV | T. Bjerstedt |
| Saturday, January 16 | Girl Scout Troop 319 | Las Vegas, NV | A. Gil |
| Thursday, January 21 | North Las Vegas Chamber of Commerce | Las Vegas, NV | C. Gertz |
| Friday, January 22 | West Las Vegas Community Meeting | Las Vegas, NV | C. Gertz M. Voegele |
| Wednesday, January 27 | Cub Scout Pack #223 | Las Vegas, NV | R. Arnold |

JAN 11 1993

| <u>Date</u> | <u>Event</u> | <u>Location</u> | <u>Speaker</u> |
|---|--|--------------------|----------------|
| G. <u>State and Public Interactions</u> (Continued) | | | |
| Monday, February 1 | Foreign Press | Los Angeles, CA | TBD |
| Tuesday, February 2 | Huffaker School | Reno, NV | J. Blink |
| Wednesday- Thursday, February 3-4 | Bijou Elementary School | Lake Tahoe, NV | J. Blink |
| Thursday, February 4 | Scottish Rite Masons | Las Vegas, NV | P. Standish |
| Wednesday, February 10 | Martin Luther King, Jr. Elementary School | Las Vegas, NV | R. Arnold |
| Thursday, February 11 | Chemehuevi District Round Table | Las Vegas, NV | R. Arnold |
| Tuesday, February 16 | Construction Specification Institute | Las Vegas, NV | G. Fasano |
| Tuesday, February 23 | University of Iowa | Ames, IA | C. Gertz |
| Tuesday, March 2 | Waste Management '93 | Tucson, AZ | C. Gertz |
| Tuesday- Wednesday, March 23-24 | Henderson Community College | Las Vegas, NV | M. Powell |
| Tuesday, May 4 | Underground Structures, Colorado School of Mines | Golden, CO | C. Gertz |
| Monday, June 14 | Rapid Excavation & Tunneling Conference | TBD | C. Gertz |
| Tuesday- Wednesday, August 17-20 | Second International Mixed Waste Symposium | Baltimore, MD | C. Gertz |
| Monday- Wednesday, September 27-29 | I&EC Division Symposium | Atlanta, GA | C. Gertz |

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H. Exhibits Scheduled

1993 schedule in development.

| <u>Date</u> | <u>Event</u> | <u>Escorts</u> |
|-------------|--------------|----------------|
|-------------|--------------|----------------|

I. Tours Scheduled

| | | |
|---------------------------|------------------------------------|----------------------|
| Saturday, January 9 | Andrew Kadek CEO, Yankee Atomic | A. C. Robison |
| Saturday, January 16 | Public Open House (P) | Various Escorts |
| Wednesday, January 20 | Tonopah Middle School | TBD |
| Friday, January 22 | Churchill County | C. Binzer C. Hill |
| Monday, January 25 | Japan Electric Power | P. Cloke |
| Thursday, January 28 | Joe Mackey Sixth Grade Center | TBD |
| Wednesday, February 3 | Green Valley High School | TBD |
| Wednesday, February 3 | Foreign Press | S. Patrick |
| Thursday, February 11 | Booker 6th Grade Center | TBD |
| Saturday, February 20 | Public Open House (P) | Various Escorts |
| Wednesday, February 24 | Tonopah Middle School | TBD |
| Thursday, February 25 | Senior Tripsters | TBD |
| Friday, March 5 | Waste Management '93 | TBD |
| Thursday, March 11 | Meadows School | TBD |

JAN 11 1993

| <u>Date</u> | <u>Event</u> | <u>Escorts</u> |
|---------------------------------------|--|-----------------|
| I. <u>Tours Scheduled</u> (Continued) | | |
| Thursday, March 18 | Gabs School | TBD |
| Wednesday, March 24 | Thurman White Middle School | TBD |
| Saturday, March 27 | Public Open House (P) | Various Escorts |
| Thursday, April 1 | Orr Junior High School | TBD |
| Monday, April 19 | Hydrology Field Trip | A. Flint |
| Tuesday, April 20 | Round Mountain High School | TBD |
| Saturday, April 24 | Public Open House | Various Escorts |
| Monday, April 26 | High-Level Waste Conference | TBD |
| Thursday, May 6 | Pahrump Jr. High | TBD |
| Wednesday, May 19 | Public Open House | Various Escorts |
| Monday, June 21 | Girl Scouts Wider Opportunity Program | TBD |
| Tuesday, August 17 | Senior Tripsters | TBD |

YMP:VFI-1742

J. Maxwell Blanchard
 Carl P. Gertz
 Project Manager



Department of Energy
Yucca Mountain Site Characterization
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P. O. Box 98608
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WBS:1.2.7.3
QA: N/A

JAN 06 1993

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 December 25, 1992 and December 31, 1992:

1. Field Operations Center, (YMSO)

A. Management and Administration

- a. There were no tours scheduled during this period.
- b. Continued providing operations and administrative support to the Yucca Mountain Site Manager and his DOE staff.
- c. Provided operations support for field site characterization activities.
- d. Completed paperwork, signatures and other administrative procedures for issuing vehicles, first aid kits, fire extinguishers, and other necessary equipment to personnel performing field duty.
- e. Processed nine (9) work order requests.
- f. Prepared Job Package authorization for JP 92-19, Drilling of Borehole UE-25 NRG-2.
- g. Commenced reading EG&G Genesis tapes.
- h. Devised schedule to use BOA Building scanner to scan documents into computer format for Safety and Health Compliance Department.
- i. Submitted Daily Activity Report to NORSOC concerning unauthorized trespassers ascending back side of Yucca Mountain, 12/31.
- j. The Bullfrog Planning Commission continuing with development of data base for Facilities Management Program.
- k. Reviewing Draft Decision Paper concerning YMP/YMSO vehicle usage and assignments.
- l. Reviewing "Engineering Plan for General Support Facilities", Document #RSN-EP-127.

B. Project Safety and Health, (DOE/SAIC)

- a. Met with Project Manager to finalize Hugo Pomrehn briefing paper.
- b. SHCD met with SMF Personnel to discuss plans to minimize dust and noise in Saw Room.
- c. Investigated work progress on FOC Shower Trailers being installed.
- d. Conducted asbestos building survey of A25 Medical Facility, Building 4314.
- e. Worked on Five Year Safety and Health Plan.
- f. Prepared input for Exploratory Studies Facility Safety Analysis in Coordination with REECO Safety Engineer.
- g. Supported ongoing tours.
- h. Occurrence Reports - one awaiting FM signature
 - 1. REECO - 6 outstanding: 3 rejected (2 on 6/2/92; 1 on 9/23/92); and 2 - 10 day notification (11/23/92 and 12/28/92).
 - 2. SAIC - 4 outstanding: 1 rejected (by F, 07/27/92); and 3 - 10 day update (1 dated 12/2/92 and 2 dated 12/9/92).

2. Raytheon Services Nevada, (RSN)

- A. Field Support - No Activity Reported.
- B. Quality Control - No Activity Reported.

3. Sample Management Facility, (SMF/SAIC)

- a. Continued recover and processing core and cuttings from UZ-16, UZN-61, and NRG-6.
- b. Completed drilling on UZN-61.
- c. Attempts to recover severed coring tools and seven feet of core from UZ-16 have been unsuccessful.
- d. Drilling activities shut down for holidays.

4. YMP hydrologic Research Facility, (USGS)

- a. No report submitted for this period. Next activity report will not be available until 1/11/93, per R. W. Craig, USGS TPO.

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

Activities conducted during weeks ending December 25 & December 31, 1992.

A. Drilling - Activities shut down for holidays.

B. Logistics

Continued requisitioning supplies, materials, and services for YMP Field Operations Center.

C. Construction - Activities shut down for holidays.

6. Los Alamos National Laboratory, (LANL)

A. No activity reported.

7. Document and Records Center, (CRWMS M&O)

Activities during week ending December 25 & December 31, 1992.

a. Received and Issued to following Controlled Documents:

| | |
|------------------------|-----|
| Job Packages | N/A |
| Test Planning Packages | N/A |
| Specifications | N/A |
| Drawings | N/A |

FCRs - FCR 93/082, Rev. 0, "ESF Design Package 1A, Drainage Channel Realignment.

b. Reproduction: 6,296 pages copied.
176 drawing copied.

c. Documents Issued: 150 controlled documents.
7 uncontrolled documents.

d. DTAR logoffs: 83.

8. Field Training, (SAIC)

a. Training was conducted for GET 1.1, General Employee Radiological Training. A total of 37 people attended.

b. 1 GET 1.5 exams were administered, examinee passed.

Winfred A. Wilson

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Site Manger