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SUBJECT: Forwards Ofc of Geologic Disposal weekly highlights for wks ending 920605 & 12 & Yucca Mountain Site Ofc field activity rept for wks ending 920605 & 12.

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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: 8/702-388-6125

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

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

DATE: June 24, 1992

SUBJECT: OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR
THE WEEKS ENDING JUNE 5 AND JUNE 12, 1992, and THE
YUCCA MOUNTAIN SITE OFFICE (YMSO) FIELD ACTIVITY REPORT
FOR THE WEEKS ENDING JUNE 5 AND JUNE 12, 1992

Please find enclosed the above-referenced reports.

There is nothing requiring specific management
attention in the report.

nan

cc w/encs.: Charlotte Abrams, M/S 4 H 3
Rosetta Virgilio, M/S 3 D 23
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 1.2.9.2
QA: N/A

JUN 22 1992

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
JUNE 12, 1992

During the week of June 16-19, 1992, three program reviews will be conducted from external sources. The first is the Independent Cost Estimating reconciliation of the Yucca Mountain Site Characterization Project's (YMP) cost schedule baseline; second fiscal year (FY) 1994 budget validation; and third, a task force headed by Barry Gale that will conduct a program review of YMP's plans to meet 2001 license application date.

I. CRITICAL ITEM STATUS - YMP

A. Site Characterization Planning

Field Operations

The Site Manager and Field Operations Center staff participated in and provided logistical support for two major tours.

Regarding Job Package (JP) 92-3, UZ-16 Drilling, coring was completed to a depth of 55 feet on June 8, 1992. The constructor, Reynolds Electrical & Engineering Co., Inc. (REECO), has reamed the 22-inch hole down to a depth of 42 feet. The Site Manager is revising field changes for cementing specifications in the work program and field verification plan in the JP.

Regarding JP 91-9, Neutron Access Boreholes, the twelfth borehole, UZN-53, has been drilled down to approximately 170 feet. The Yucca Mountain Site Characterization Project Office (YMPO) is planning to commence drilling on the remaining twelve holes for the program.

The first phase of excavation was completed on the long Midway Valley trench (JP 92-5). The trench was excavated to a length of 750 feet, just short of the NRG-1 access road. Excavation will commence on lengthening trench 14-D in a few days.

Sample Management Facility

Thirty-four cutting specimens were processed for Los Alamos National Laboratory (Los Alamos). Preparation for drilling on NRG-1 was initiated, and drilling of UZN-53 was completed. Casing on UZN-16 was set.

Site Investigations

Borehole USW UZN-53 was cored and reamed an additional 49.5 feet to a depth of 79.7 feet. The penetration rate increased significantly with use of different drill bits; however, drilling through the Tiva densely welded unit has been slow, and there is a relatively thick section to penetrate at the N53 location. Current prognosis is that the hole may need to be drilled to a total depth of approximately 225-250 feet, with approximately 150-160 feet being Tiva Canyon densely to moderately welded tuff.

Coring on UZ-16 was completed to a depth of 55 feet. The borehole was then reamed out to a diameter of 22 inches. Reaming was stopped at a depth of 42.14 feet, because of excessive build-up of fine particulates in the dust suppression system. The water circulation system was disassembled and cleaned, and a larger pump was installed. The system was then reassembled, and a clean-up test run was initiated.

Excavation of trench MWV-T5 (continuous trench) with a track-mounted excavator continues. This trench extends from the eastern slope of Exile Hill across the Exploratory Studies Facility (ESF) north access site area and west into Midway Valley. It has a ten-foot-high vertical south face and a benched north face for most of its length. The trench exposes alluvial fan deposits of multiple ages. Test controls on trench depth and the use of dust control water have been followed.

The U.S. Geological Survey (USGS)/U.S. Bureau of Reclamation Principal Investigator (PI) staff completed all remaining resistivity surveys for the proposed tunnel power grounding mat. The PI prepared and transmitted preliminary design data to Raytheon Services Nevada.

Regulatory Interactions

No significant new items to report this week.

JUN 22 1992

Technical Analysis

The Integrated Test Evaluation team has completed a preliminary ranking of site characterization study plans, which identifies studies that are most important in detecting potential disqualifying conditions at Yucca Mountain, Nevada. Technical issues identified in the Early Site Suitability Evaluation were used as the basis for ranking the study plans.

Environmental Field Programs

No significant new items to report this week.

ESF Task Force Activities

The 90 percent design review status is on schedule. In addition to those in the 50 percent review, the 90 percent review is comprised of 80 drawings, 38 analyses, and 52 specifications.

<u>Drawings</u>	<u>Analyses</u>	<u>Specifications</u>
60 Through Engineering	33 Initial Draft	23 Initial Draft
46 Through Computer-Aided Draft Design	1 Final Draft	16 Final Draft
7 Through Review	0 Through Review	7 Through Review

Site Characterization Plan (SCP) Progress Report (PR)

Review comments received from U.S. Department of Energy/Headquarters (DOE/HQ), Office of Civilian Radioactive Waste Management (OCRWM), YMPO, and YMP participants on the draft SCP PR 6 were incorporated. The concurrence draft was submitted on June 12, 1992.

SCP Study Plan (SP) Status

SP 8.3.1.17.4.5, "Detachment Faulting at or Proximal to Yucca Mountain," was submitted to YMPO for approval. The YMPO approved SP 8.3.1.4.2.1, "Characterization of Vertical and Lateral Distribution of Stratigraphic Units in the Site Area."

STUDY PLAN BREAKDOWN

In Screening Review	0
In YMPO and HQ Review	2
Awaiting Comment Resolution	10
Awaiting Author Revision	6
In YMPO/HQ Verification Audit	8
Preparing to Submit or Awaiting YMPO Approval	3
Awaiting Submission to U.S. Nuclear Regulatory Commission (NRC)	2
NRC Phase 1 Review	13
NRC Acceptance	26
Total	70

SCP/SP Status:

Total SPs Assigned to Cover 106 Studies	103
SPs Not Yet Submitted for Review	39
SPs Submitted for Initial Review	64
Revised SPs Submitted for Review	6
Total SPs Submitted for Review	70

State of Nevada Comments Status:

Received Comments from the State of Nevada	9
Responses Transmitted to the State of Nevada	5

NRC Comments Status:

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

B. Project Planning and Control

The status for May 1992, was uploaded from the participant workstations to the Planning and Control System (PACS), and the new data was calculated through the PACS rollup in all participant databases. The participant data was transferred into the project level database, which was also rolled up.

The first uploads of the M2001 replanning data were received from several participants. Reports of the new data were produced and submitted to the Civilian Radioactive Waste Management System Management & Operating Contractor (CRWMS M&O) for review.

C. Quality Assurance (QA) Implementation

REECO Audit 92-17 was conducted during the week June 8-12, 1992. Criteria 1, 2, 11, 15, 16, 17 (System 80), and 18 were audited and no Corrective Action Report was issued.

Determination of Importance and Grading Enhancement (DIGE)

Continuation of Existing Process

The Quality Review Board and associated Assessment Team (AT) continue to provide support to YMPO, while the DIGE effort develops a modified process.

Quality (Q) List and Q-List Procedure Development

Sandia National Laboratories (SNL) activities relative to development of Items Important to Waste Isolation (IITWI) and Items Important to Safety processes and lists are on schedule. Development continues based on the resolved comments from the Quality Management Procedure (QMP) 06-04 review of SAND89-7024, the draft licensing methodology document YMP/92-7 (being prepared by the Plans and Procedures Department for a QMP 06-04 review), and the draft Site Characterization Program Baseline revision 6 package. SNL presented their IITWI results to date during a meeting at YMPO on June 10, 1992. Preparation of the IITWI report has been initiated.

Completion of training of trainers and training material development continues. Development of the draft new procedure (QMP 05-03), in place of proposed QMP 02-10 (Q-Grading) to contain procedure application guide direction, continues.

Management Control (MC) List and Procedure Development

Staffing has been obtained to work on the completion of Administrative Procedure (AP) 5.40 and AP 5.41. The effort to revise the MC List Plan, based on internal review comments, continues.

Implementation

As noted in previous status, participants have now received a final copy of AP 6.17Q (effective date June 10, 1992) in order to initiate development of their procedures. The YMP Deputy Project Manager continues the process of identifying, selecting, and assigning staff for the new AT.

Task Management

Revision 1 of the DIGE Management Plan is in the review cycle portion of QMP 06-04.

D. Public Outreach and Institutional Activities

The Girl Scout Geology Badge Workshop was held at the Yucca Mountain Information Office (YMIO), on Saturday, June 6, 1992. Twenty Girl Scouts and five adult leaders attended the four-hour workshop, which was staffed by YMP geologist volunteers, who provided information and hands-on activities. The geologists served as teachers and role models for the Girl Scouts, while supporting the President's educational initiatives to promote interest in math and science among women.

Carl Gertz, Project Manager, gave a technical project overview presentation at the American Nuclear Society Annual Meeting in Boston, Massachusetts, on June 10, 1992.

James Blink, (Lawrence Livermore National Laboratory), gave an educational presentation on atoms and nuclear power to fifteen teachers at the Partners in Education Workshop in Las Vegas, Nevada, on June 8, 1992. Todd Kaish (M&O/Duke Engineering Services) and Effie Harle (Technical & Management Support Services [T&MSS]) gave an educational presentation on nuclear power at the Nevada Science Project Teachers Workshop, held at Desert Research Institute on June 10, 1992.

A tour to Yucca Mountain was conducted on June 10, 1992, for four guests from White Pine County, Nevada. A project overview presentation was given by A. C. Robison, YMPO, at the Las Vegas YMIO prior to the tour.

International Energy Agency staff began planning for participation in the Nevada League of Cities 33rd Annual Conference, to be held in Winnemucca, Nevada, August 20-22, 1992.

II. ANALYSIS & VERIFICATION DIVISION

The joint Geochemistry/Hydrology Integration Meeting on Fast (Preferential) Pathways: Definition and Detection was participated in June 9-11, 1992, in Denver, Colorado.

A meeting of task groups for the Repository Program Convergence Activity was conducted on June 9, 1992, in Washington, D.C. Status of work, scheduled meetings, and plans for the June 19, 1992, workshop to be held in Denver, Colorado, were discussed.

JUN 22 1992

A meeting of OCRWM program managers was participated in on June 10, 1992, in Washington, D.C. Issues related to the development of program requirements documents were discussed.

Participated in a briefing for new U.S. Office of Management and the Budget staff on program background and status on June 11, 1992, in Washington, D.C.

The Director and senior managers from USGS headquarters office met to discuss program direction and USGS participation. The meeting was held and participated in on June 12, 1992, in Reston, Virginia.

Review of draft OB of the QA Requirements and Description Document was completed. Comments were submitted on June 12, 1992.

III. GENERAL INFORMATION ITEMS

CRWMS M&O

A review of system level requirements was initiated by a newly-organized Mined Geologic Disposal System requirements document review task force. The scope of work to be performed by Los Alamos and ESF surface facilities design organization to accomplish the Integrated Data System system design, procurement, construction, check-out, and operation was resolved. Efforts to define facilities development data for Mission 2001 and preparation of the Site Development Plan at Nevada Test Site (NTS) Area 25 were directed. A description of each planned facility and its construction cost estimate was completed.

T&MSS

The Emergency Management Plan is being prepared for QMP 06-04 management review. Comment resolution is being completed for the Electrical Power Conceptual Design Report.

Los Alamos

Three volcanism studies safety plans were approved: Field Safety, Excavation of Soil Pits, and Operation of a Truck-Mounted Back Hoe.

JUN 22 1992

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 Theresa Hirsch at (702) 794-7759 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>			
Wednesday, July 1	OCRWM/CRWMS M&O Managers' Meeting	Washington, DC	C. Gertz
B. <u>CRWMS M&O/DOE Meetings</u>			
Thursday, June 25	OCRWM M&O Management Review	Vienna, VA	C. Gertz
C. <u>Internal and DOE/NV Meetings</u>			
Friday, June 12	Technical Project Officers' Meeting	Las Vegas, NV	C. Gertz
Friday, June 12	Planning and Budget Meeting	Las Vegas, NV	C. Gertz
Thursday- Friday, June 25-26	Leadership Seminar	Las Vegas, NV	M. Blanchard
D. <u>NRC Interactions</u>			
Tuesday, June 23	Technical Exchange- Midway Valley	Las Vegas, NV	T. Bjerstedt
Wednesday, July 22	Technical Exchange- Three-Bucket Approach	Rockville, MD	T. Bjerstedt
Thursday, July 23	Agreement on Format and Content of Yucca Mountain SPs	Rockville, MD	T. Bjerstedt
Tuesday, August 25 (Tentative)	Technical Exchange- Resolution of Volcanism Related Concerns	Video- Conference	T. Bjerstedt
September (Tentative)	Technical Exchange- Midway Valley	LV/NTS/YM	T. Bjerstedt

JUN 22 1992

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NRC Interactions</u> (Continued)			
Tuesday, September 29	Technical Exchange- Functional Analysis of 10 CFR 60	San Antonio, TX	T. Bjerstedt
Wednesday, October 28	Technical Exchange- Total System Performance Assessment	Albuquerque, NM	T. Bjerstedt
Tuesday, November 17	Technical Exchange- Volcanism	Rockville, MD	T. Bjerstedt
Wednesday, November 18	Interaction Planning Meeting	Rockville, MD	T. Bjerstedt
E. <u>NWTRB Interactions</u> (P)			
Sunday- Saturday, June 7-20	TBD	International Trip	A. Simmons
Tuesday- Wednesday, July 7-8	NWTRB Full Board Meeting	Denver, CO	A. Simmons
Tuesday- Wednesday, October 13-14	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons
Thursday- Friday, October 15-16	NWTRB Panel on SG&G	Las Vegas, NV	A. Simmons
<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions</u>			
Tuesday, June 16	YMCA Youth Camp	Las Vegas, NV	R. Arnold
Wednesday, June 17	Partners in Education Workshop	Las Vegas, NV	P. Standish R. Arnold

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions</u> (Continued)			
Thursday, June 18	Nevada Republic Women's Club	S. Lake Tahoe, NV	C. Gertz
Thursday, June 18	National Association of Industrial & Office Properties	Las Vegas, NV	A. Robison
Monday, June 22	Partners in Education Workshop	Las Vegas, NV	J. Cooper
Thursday, June 25	Yucca Mountain Lecture Series	Pahrump, NV	J. Younker
Tuesday, June 30	Yucca Mountain Lecture Series	Las Vegas, NV	J. Younker
Tuesday, July 7	University of California	Santa Barbara, CA	S. Mattson
Thursday, July 16	Town Forum White Pine County	White Pine, NV	A. Robison
Friday, July 24	California Capistrano Unified School District	Las Vegas, NV	A. Gil
Tuesday, July 28	Yucca Mountain Lecture Series	Las Vegas, NV	A. Flint
Tuesday, July 28	Nevada Department of Transportation	Sparks, NV	P. Standish
Thursday, July 30	Yucca Mountain Lecture Series	Beatty, NV	A. Flint
Wednesday, August 5	UNLV Alumni Center	Las Vegas, NV	C. Gertz
Thursday, August 6	Rotary Club of Las Vegas	Las Vegas, NV	C. Gertz
Monday, August 31	Nuclear Information & Records Management Association Symposium	San Francisco, CA	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions (Continued)</u>			
Thursday, September 17	American Nuclear Society	Lynchburg, VA	C. Gertz
Monday, September 21	Emerging Technologies for Hazardous Waste Management	Atlanta, GA	C. Gertz
Tuesday, September 29	American Institute of Professional Geologists	Lake Tahoe, NV	J. Younker
Wednesday, October 7	North American Tunneling Conference	Boston, MA	C. Gertz
<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
G. <u>Other External DOE Meetings</u>			
Tuesday- Thursday, June 16-18	Independent Cost Estimate	Las Vegas, NV	V. Iorii
Tuesday- Thursday, June 16-18	Budget Validation	Las Vegas, NV	V. Iorii
Tuesday- Thursday, June 16-18	Under Secretary's Special Task Force	Las Vegas, NV	C. Gertz
<u>Date</u>	<u>Event</u>	<u>Location</u>	
H. <u>Exhibits Scheduled</u>			
Saturday, June 27	Public Open House (P)	Las Vegas, NV	
Friday, July 17	Public Open House (P)	Las Vegas, NV	
Tuesday- Wednesday, July 28-29	Department of Transportation Railroad Safety Meeting	Sparks, NV	
Wednesday- Sunday, August 12-16	Nevada State Fair	Reno, NV	

JUN 22 1992

<u>Date</u>	<u>Event</u>	<u>Location</u>
H. <u>Exhibits Scheduled</u> (Continued)		
Thursday- Saturday, August 18-20	Nevada League of Cities	Winnemucca, NV
Saturday, August 22	Public Open House (P)	Las Vegas, NV
Friday- Sunday, September 19-20	Home Show	Las Vegas, NV
Friday- Sunday, September 18-20	Pahrump Harvest Festival	Pahrump, NV
Saturday, September 26	Public Open House (P)	Las Vegas, NV
Sunday- Wednesday, September 27-30	American Institute of Professional Geologists	Lake Tahoe, NV

<u>Date</u>	<u>Event</u>	<u>Escorts</u>
I. <u>Tours Scheduled</u>		
Tuesday, June 16	Media Outing	G. Fisher C. Gertz
Thursday, June 18	SAIC Training Department	G. Mansur
Saturday, June 27	Public Open House (P)	Various Escorts
Tuesday, June 30	SAIC Technical Advisory Committee	K. Beall M. Voegele
Wednesday, July 8	University of Georgia	TBD
Monday, July 13	French Utility Officials	R. Gonzales
Friday, July 17	Public Open House (P)	Various Escorts

<u>Date</u>	<u>Event</u>	<u>Escorts</u>
I. <u>Tours Scheduled</u> (Continued)		
Thursday, August 6	British Government Officials	TBD
Saturday, August 22	Public Open House (P)	Various Escorts
Saturday, September 26	Public Open House (P)	Various Escorts
Saturday, October 17	Public Open House (P)	Various Escorts

for Robert W. Gertz
for Carl P. Gertz
Project Manager

YMP:VFI-3864



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

JUN 18 1992

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
JUNE 5, 1992

During the week of June 16-19, 1992, three program reviews will be conducted from external sources. The first is the Independent Cost Estimating reconciliation of the Yucca Mountain Site Characterization Project's (YMP) cost/schedule baseline; second, fiscal year (FY) 1994 budget validation; and third, a task force headed by Barry Gale that will conduct a program review of YMP's plans to meet 2001 license application date.

I. CRITICAL ITEM STATUS - YMP

A. Site Characterization Planning

Field Operations

The Site Manager and Field Operations Center staff participated in and provided logistical support for five major tours, including a tour by Senator Johnston, and another by a group of Native Americans.

Reynolds Electrical & Engineering Co., Inc. (REECo), has bored to a depth of 101 feet on the twelfth neutron access borehole UZN-53. Regarding UZ-16 drilling activity, REECo has cored to 55 feet, opened the width of the hole to 22 inches in diameter, and cored down another 11 feet. Regarding Midway Valley trenches, Job Package 92-5, REECo has excavated 475 feet of trench.

The latest revision to the YMP Safety and Health Plan has been transmitted to the Director of the Office of Civilian Radioactive Waste Management for approval and signature. All comments have been resolved and included in the revision.

Sample Management Facility

The Sample Overview Committee meeting on June 3, 1992, was supported. Core and cuttings from UE25 UZ-16 and UZN-53 were processed. There were 47 boxes of core laid out for examination on June 5, 1992.

JUN 18 1992

Field Testing

The U.S. Geological Survey/Bureau of Reclamation principal investigator (PI) and staff completed all field work in 33 test pits of Phase I to include density tests, sampling, and logging.

Test Pit NSRF-TP-24 was backfilled to accommodate Midway Valley excavation of Trench 5A. The remaining open test pits will be backfilled following verification of as-built survey and field verification records and consultation with the U.S. Nuclear Regulatory Commission (NRC) on-site representative. The PI's staff also conducted a resistivity survey in the vicinity of the proposed tunnel power grounding mat this week.

Regulatory Interactions

The fifth Site Characterization Semi-Annual Progress Report (PR) 5, covering the period April to September 1991, is through concurrence at U.S. Department of Energy/Headquarters (DOE/HQ) and the camera-ready copy is being prepared by the Yucca Mountain Site Characterization Project Office (YMPO). The final PR 5 was submitted to the Office of Scientific and Technical Information on June 3, 1992, for printing and distribution. PR 6 review comments which are due to YMPO by Friday, June 5, 1992, have been received from some of the participants. The Regulatory Interactions Branch supported a technical exchange on June 3, 1992, with the NRC on (1) comments on NRC Draft Regulatory Guide DG-3003 ("Format and Content of the License Application for the High-Level Waste Repository") and (2) DOE's Annotated Outline. Input is being prepared for YMPO's proposal for the Engine of Evolution/Convergence efforts.

Technical Analysis

The quarterly Technical Data Report was released to participants, NRC, and other external parties. Performance Assessment personnel participated in meetings addressing Thermal Design Issues, Integrated Test Evaluation, and Design Review of the North Portal of the Exploratory Studies Facility (ESF). The task group on Performance Assessment Evolution completed a draft of its portion of the Site Characterization Management section of the Repository Program Convergence report.

Environmental Field Programs

No significant new items to report this week.

ESF Task Force Activities

The 90 percent design review status is on schedule. In addition to those in the 50 percent review, the 90 percent review is comprised of 80 drawings, 38 analyses, and 52 specifications.

<u>Drawings</u>	<u>Analyses</u>	<u>Specifications</u>
65 Through Engineering	32 Initial Draft	20 Initial Draft
53 Through Computer-Aided Draft Design	4 Final Draft	16 Final Draft
11 Through Review	0 Through Review	7 Through Review

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

SP 8.3.1.2.2.8, "Characterization of Fluid Flow in Unsaturated Fractured Rock," was submitted to YMPO for approval.

STUDY PLAN BREAKDOWN

In Screening Review	0
In YMPO and HQ Review	2
Awaiting Comment Resolution	10
Awaiting Author Revision	6
In YMPO/HQ Verification Audit	9
Preparing to Submit or Awaiting YMPO Approval	4
Awaiting Submission to NRC	0
NRC Phase 1 Review	13
NRC Acceptance	26
Total	70

SCP/SP Status:

Total SPs Assigned to Cover 106 Studies	103
SPs Not Yet Submitted for Review	39
SPs Submitted for Initial Review	64
Revised SPs Submitted for Review	6
Total SPs Submitted for Review	70

State of Nevada Comments Status:

Received Comments from the State of Nevada	9
Responses Transmitted to the State of Nevada	5

NRC Comments Status:

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

JUN 18 1992

B. Project Planning and Control

Cost performance reports of the April 1992 status, including a funding matrix, Gantt charts, and internally-written various analysis reports were distributed to YMP. A presentation briefing for Vincent Iorii on the Planning Process, to present to DOE/HQ staff, was prepared. Development and testing of the Schedule Comparison Report to be used monthly for comparing the previous month long range plan/integrated project schedule status to the current month status was completed. The Planning and Control System development activities schedule through the remainder of the fiscal year was completed.

C. Quality Assurance Implementation

Determination of Importance and Grading Enhancement (DIGE)

Continuation of Existing Process

The Quality Review Board and associated Assessment Team (AT) continue to provide support to YMPO, while the DIGE effort develops a modified process.

Quality (Q) List and Q-List Procedure Development

Sandia National Laboratories (SNL) activities relative to development of Items Important to Waste Isolation (IITWI) and Items Important to Safety processes and lists are on schedule. Development continues based on the resolved comments from the Quality Management Procedure (QMP) 06-04 review of SAND89-7024, the draft licensing methodology document YMP/92-7 (being prepared by the Plans and Procedures Department for a QMP 06-04 review), and the draft Site Characterization Program Baseline Revision 6 package. SNL will provide a status review of progress on the IITWI effort during a meeting at YMPO on July 10, 1992.

Completion of training of trainers and training material development continues. Development of the draft new procedure QMP 05-03, in place of proposed QMP 02-10 (Q-Grading) to contain procedure application guide direction, continues.

Management Control (MC) List and Procedure Development

Staffing has been obtained to work on the completion of Administrative Procedure (AP) 5.40 and AP 5.41. The effort to revise the MC List Plan, based on internal review comments, continues.

JUN 18 1992

Implementation

As noted in previous status, participants have now received a final copy of AP 6.17Q (effective date June 10, 1992) in order to initiate development of their procedures. The YMP Deputy Project Manager continues the process of identifying, selecting, and assigning staff for the new AT. An approach has been developed in which to complete the process to put in place the new AT, including training and procedures.

Task Management

Revision 1 of the DIGE Management Plan has entered the review cycle portion of QMP 06-04.

D. Public Outreach and Institutional Activities

Tours to Yucca Mountain, Nevada, were conducted on May 30, 1992, for 20 Native American Indian guests, and on June 4, 1992, for 15 guests of the Nevada State Environmental Commission.

The first Boy Scouts Geology Merit Badge Workshop was held at the Las Vegas Yucca Mountain Information Office on May 30, 1992. The six-hour workshop, designed to provide the Boy Scouts with information and activities necessary to qualify for their Geology Merit Badge, was attended by 33 Scouts and staffed by YMP geologists. These educational activities involve YMP in the Secretary of Energy's strategy to use project resources to promote the President's science education reform movement known as AMERICA 2000.

Carl Gertz, Project Manager, gave a project overview presentation for General Accounting Office (GAO) personnel in Las Vegas, Nevada, on June 1, 1992.

A. C. Robison, YMPO, and Paul Standish and Gregory Fasano, Technical and Management Support Services (T&MSS), participated in Town Forums in Eureka, Nevada, on June 1, 1992; in Carlin, Nevada, on June 2, 1992; and in Crescent Valley, Nevada, on June 3, 1992.

Gayle Fisher, YMPO, gave a presentation on Yucca Mountain media and public outreach activities at a Public Affairs Meeting at HQ in Washington, D.C., on June 3, 1992.

Paul Seidler, T&MSS, gave a project overview presentation to members of the Executive Development Association in Las Vegas, Nevada, on June 4, 1992.

JUN 18 1992

II. ANALYSIS & VERIFICATION DIVISION

The DOE/NRC technical exchange meeting on Procedural Agreement between NRC and DOE on June 2, 1992, and DOE/NRC technical exchange on Format and Content Regulatory Guide on June 3, 1992, in Rockville, Maryland, were attended. A meeting of task groups for convergence process was convened and participated in on June 3, 1992, in Washington, D.C.

A review of the draft PR 6 was completed and comments were submitted to YMPO on June 5, 1992. Comments on the GAO report "NUCLEAR WASTE: DOE's Repository Site Investigations, a Long and Difficult Task," were prepared.

III. GENERAL INFORMATION ITEMS

Civilian Radioactive Waste Management System Management & Operating Contractor (CRWMS M&O)

The development of the Advanced Conceptual Design Work Plan has been initiated. Initial efforts have been focused on drafting an outline, which will be in compliance with both the CRWMS M&O contract and DOE Orders.

A draft report on the Metrication of ESF excavation equipment and related studies was submitted for inclusion into the Civilian Radioactive Waste Management Program Implementation Plan for Metrication.

YMP

REECo is preparing an amendment to the Request for Proposal for the underground subcontractor which is expected to delay the proposal due date by approximately two weeks. The amendment is necessary to include DOE/HQ review comments of the solicitation.

Lawrence Livermore National Laboratory

The feasibility study of using a resonant cavity to measure relative humidity in laboratory rock samples continued. Calibration was completed of the prototype resonant cavity at 85 degrees Celsius and a range of relative humidity levels from 50 percent to almost 100 percent.

JUN 18 1992

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 Mindy Wadkins at (702) 794-7374.

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
A. <u>DOE/HQ Meetings</u>			
No significant new meetings this week.			
B. <u>CRWMS M&O/DOE Meetings</u>			
Thursday, June 25	CRWMS M&O Program Management Review	Vienna, VA	C. Gertz
C. <u>Internal and DOE/NV Meetings</u>			
Friday, June 12	Technical Project Officers' Meeting	Las Vegas, NV	C. Gertz
Friday, June 12	Planning and Budget Meeting	Las Vegas, NV	C. Gertz
Thursday- Friday, June 25-26	Leadership Seminar	Las Vegas, NV	M. Blanchard
D. <u>NRC Interactions</u>			
Tuesday, June 23	Technical Exchange- Midway Valley	Las Vegas, NV	T. Bjerstedt
Wednesday, July 22	Technical Exchange- Three-Bucket Approach	Las Vegas, NV	T. Bjerstedt
Thursday, July 23	Agreement on Format and Content of Yucca Mountain SPs	Las Vegas, NV	T. Bjerstedt
Tuesday, August 25 (Tentative)	Technical Exchange- Resolution of Volcanism Related Concerns	Video- Conference	T. Bjerstedt
Tuesday, September 29	Technical Exchange- Functional Analysis of 10 CFR 60	San Antonio, TX	T. Bjerstedt

JUN 18 1992

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NRC Interactions (Continued)</u>			
Wednesday, October 28	Technical Exchange- Total System Performance Assessment	Albuquerque, NM	T. Bjerstedt
Tuesday, November 17	Technical Exchange- Volcanism	Rockville, MD	T. Bjerstedt
Wednesday, November 18	Interaction Planning Meeting	Rockville, MD	T. Bjerstedt
E. <u>NWTRB Interactions (P)</u>			
Sunday- Saturday, June 7-20	TBD	International Trip	A. Simmons
Tuesday- Friday, July 7-10	NWTRB Full Board Meeting	Denver, CO	A. Simmons
Tuesday- Wednesday, October 13-14	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons
Thursday- Friday, October 15-16	NWTRB Panel on SG&G	Las Vegas, NV	A. Simmons
<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions</u>			
Monday, June 8	Partners in Education Workshop	Las Vegas, NV	J. Blink
Wednesday, June 10	American Nuclear Society	Boston, MA	C. Gertz
Wednesday, June 10	Partners in Education Workshop	Las Vegas, NV	J. Cooper
Thursday, June 11	Catholic Daughters of the America's	Las Vegas, NV	R. Arnold
Wednesday, June 17	Partners in Education Workshop	Las Vegas, NV	P. Standish R. Arnold

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions (Continued)</u>			
Thursday, June 18	Nevada Republic Women's Club	S. Lake Tahoe, NV	C. Gertz
Thursday, June 18	National Association of Industrial & Office Properties	Las Vegas, NV	A. Robison
Thursday, June 25	Yucca Mountain Lecture Series	Pahrump, NV	J. Younker
Tuesday, June 30	Yucca Mountain Lecture Series	Las Vegas, NV	J. Younker
Tuesday, July 7	University of California	Santa Barbara, CA	S. Mattson
Friday, July 24	California Capistrano Unified School District	Las Vegas, NV	A. Gil
Tuesday, July 28	Yucca Mountain Lecture Series	Las Vegas, NV	A. Flint
Tuesday, July 28	Nevada Department of Transportation	Sparks, NV	P. Standish
Thursday, July 30	Yucca Mountain Lecture Series	Beatty, NV	A. Flint
Monday, August 31	Nuclear Information & Records Management Association Symposium	San Francisco, CA	C. Gertz
Thursday, September 17	American Nuclear Society	Lynchburg, VA	C. Gertz
Monday- September 21	Emerging Technologies for Hazardous Waste Management	Atlanta, GA	C. Gertz
Tuesday, September 29	American Institute of Professional Geologists	Lake Tahoe, NV	J. Younker
Wednesday, October 7	North American Tunneling Conference	Boston, MA	C. Gertz

JUN 18 1992

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
G. <u>Other External DOE Meetings</u>			
Tuesday- Thursday, June 16-18	Independent Cost Estimate	Las Vegas, NV	V. Iorii
Tuesday- Thursday, June 16-18	Budget Validation	Las Vegas, NV	V. Iorii
Tuesday- Thursday, June 16-18	Under Secretary's Special Task Force	Las Vegas, NV	C. Gertz
<u>Date</u>	<u>Event</u>	<u>Location</u>	
H. <u>Exhibits Scheduled</u>			
Saturday, June 27	Public Open House (P)	Las Vegas, NV	
<u>Date</u>	<u>Event</u>	<u>Escorts</u>	
I. <u>Tours Scheduled</u>			
Wednesday, June 10	White Pine County	K. Rohrer	
Tuesday, June 16	Media Outing (Proposed Date)	G. Fisher	
Thursday, June 18	SAIC Training Department	G. Mansur	
Saturday, June 27	Public Open House (P)	Various Escorts	
Wednesday, July 8	University of Georgia	TBD	
Friday, July 17	Public Open House (P)	Various Escorts	
Saturday, August 22	Public Open House (P)	Various Escorts	

<u>Date</u>	<u>Event</u>	<u>Escorts</u>
I. <u>Tours Scheduled</u> (Continued)		
Saturday, September 26	Public Open House (P)	Various Escorts
Saturday, October 17	Public Open House (P)	Various Escorts

YMP:JGG-3781


Carl P. Gertz
Project Manager



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

WBS 1.2.7.4
QA: N/A

JUN 17 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 June 5, 1992 and June 12, 1992:

1. Field Operations Center, (YMSO)

A. Management and Administration

- a. The Site Manager and FOC staff participated in and provided operational and logistical support to several tours conducted during this period. These were: The NV State Environmental Commission and White Pine County.
- b. Site Manager initiated budgetary funding request to DOE/PCB for the additional contact bus service at Area 25, commencing on July 1, 1992.
- c. Site Manager distributed letter to the building occupants of the Yucca Mountain Site Office relative to individual organizational custodian accountability and payment for telephone services. This is to be effective as of July 1, 1992.
- d. Site Manager has submitted the Draft of the Site Emergency Management Plan to select reviewers of the DOE/NV management staff.
- e. Site Manager initiated emergency procurement action through REECO for a new 250 ton centrifugal chiller to replace the existing unit which went off-line. Unit anticipated to arrive on-site prior to mid July.
- f. The new color coded safety hard hats and glasses have been issued to the applicable field project participants.
- g. AP-2.9, latest revision is on the QMP-06-04 review and approval process.
- h. Site Manager and several FOC staff members have been strategizing and planning for the forthcoming swing shift drilling operations in having the adequate staffing and medical support. Anticipate support to be required on or about mid July 1992.

JUN 17 1992

- i. The recently procured 6lb portable fire extinguishers are being issued to the applicable field participants for mounting and use in this respective pick-up trucks.
- j. Provided operations support for field site characterization activities.

B. Work Request/Photographic Coordination

- a. Continued to provide photographic support for ongoing field activities.
- b. Continued to support ongoing tour efforts.
 - LM-300 Christening
 - Senator Johnson Tour
 - Native American Tour
- c. Sent "YMP Field Activities Report" videotapes to Chris Henkel, EEI; will also provide updates.
- d. Designed new "Photo Services Request" form. New form will be included in next revision of FOI 4002.
- e. Complete coordination of LM-300 Prototype Drilling film (draft #1).

C. Project Safety and Health

- a. Supported on going tours.
- b. Conducted surveillances at UZ-16 (3); UZN-53 (3); SMF Trailer (3); Midway Valley Trench (3).
- c. Met with RSN Soils Engineer and USGS PI concerning Midway Valley Long Trench.
- d. Continued with investigation of REECO incident with front end loader at Midway Valley.
- e. Corrected Flowcharts on AP 5.7 and AP 6.12; returned documents to Plans and Procedures.
- f. Met with LANL representatives to discuss sampling plan for erionite and mordenite for surface areas.

JUN 17 1994

- g. Continued working on Hazard Communication appraisal and protocol.
- h. Worked with REECo on noise sampling at UZ-16 and UZN-53.
- i. Recommendations made to SMF on core carrying and working around the CME-850 Rig.
- j. Conducted surveillances at UZN-53 (1); Midway Valley Trench (2); FOC (1); and Trench 14 (2). Monthly summary of surveillances was distributed.
- k. Worked up and presented budget for FY93 and FY94.
- l. Safety presentation on Heat Stress made to SMF Staff.
- m. New employee attended orientation training and time card charging.
- n. Inspected the parking brake on the John Deere 844 loader.
- o. Continued working on hazard Communication appraisal and protocol.
- p. Discussions with REECo on potential silica exposures and respiration fit testing.
- q. Two members attended training at Los Alamos covering OSHA Construction Safety Standards.

2. Raytheon Services Nevada, (RSN)

A. Field Support

- a. Survey crew continued work on 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 supporting UZ-16 with Drilling Engineers on site.
- d. Survey crew establishing control at existing Drill Hole Sites.
- e. Survey crew supporting NRG-1, Midway Valley Trenches, and Soil rock Properties.

JUN 17 1992

- f. Field Engineering Group working on records packages and as built of completed projects.
- g. Paperwork to recertify MTL personnel has been completed that certifies them for YMP operations.
- h. Research in progress to determine which test pits may be backfilled.
- i. RSN completed efforts and published which test pits may be backfilled. RSN provided percolation tests in Midway Valley.

B. Quality Control

- a. Monitoring activities on Neutron Borehole, N-53.
- b. Monitored drilling operations at UZ-16.
- c. Monitored activities on Midway Valley activities, Exploratory Trench T52 and Trench 14D.
- d. Monitored drilling operations at UZ-16 Bore Hole Site. Surface Hole Vacuum Reaming, Casing and Cementing completed.
- e. Monitored Percolation tests in Midway Valley. Work started without an approved Job Package, Deficiency Report will be issued.

3. Sample Management Facility, (SAIC)

- a. Continued processing core and cuttings from UZ-16.
- b. Continued processing core and cuttings from UZN-53
- c. Supported Sample Overview Committee Meeting, 6/03.
- d. Laid out 47 boxes of core for examination, 6/05.
- e. Set casing on UZN-16.
- f. Continued processing core and cutting from UZN-53. Drilling completed.
- g. Began preparation for drilling on NRG-1.
- h. Processed 34 cutting specimens for LANL.

JUN 17 1992

4. YMP Hydrologic Research Facility, (USGS)

- a. Normal data retrieval from instrumented holes on Yucca Mountain by Saturated Zone Group.
- b. Field personnel conducting neutron logging in the field.
- c. Meteorological Project collecting satellite data, precipitation data and synoptic scale weather chart information.
- d. Rick Witfield at NTS to assist coring of neutron borehole, UZN-53 and as alternate USGS SOC representative at the Sample Overview Committee meeting.
- e. Chris Menges and Bert Swain working in Midway Valley and Yucca Wash Area.
- f. Pete Striffler and summer hire students at NTS for monitoring tracer gas injection during drilling at UZ-16.
- g. Mike Chornack at NTS to work on revising FY93 and FY94 PACS and schedules and to conduct field fracture mapping in Bullfrog Member of Crater Flat Tuff.
- h. Bob Dickerson, USGS/SAIC working at Yucca Mountain doing mapping.
- i. Mark McKeown, Bureau of Reclamation working in Midway Valley Trenches.

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

Activities conducted during week ending June 5, 1992:

A. Drilling

- a. JP 91-9, Neutron Access Boreholes, CME-850, UZN-53, cored to 109.18 feet. Drove odex casing to 104.65 feet.
- b. JP 92-4, UZ-16, LM-300, cored to 55.00 feet, drove odex casing to 37.00 feet. Opened core hole to 22.00 feet using vacuum system.

B. Logistics

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

JUN 17 1992

- b. Supported ongoing and continued preparations for upcoming tours.
- c. Received Color Coded Hardhats and new type Safety Glasses.
- d. Setup furnishings for Reference research Room in west wing of FOC.

C. Construction

- a. JP 92-5, Midway Valley Trenches and Testpits.....REECO excavated 800 LF of Trench MVW-T5A. Completed relocation of shoring at east side of Midway Valley.

Activities conducted during week of June 12, 1992:

A. Drilling

- a. JP 91-9, Neutron Access Boreholes, CME-850, UZN-53, cored to 198.38 feet. Reamed to 183.45 feet.
- b. JP 92-4, UZ-16, LM-300, finished opening hole to 22 inches to 53 feet. Ran 16-inch casing to 52.2 feet. Ran first stage of cement job.

B. Logistics

- a. Continued requisitioning supplies, materials, and services for YMP Field Operations Center.
- b. Supported ongoing and continued preparations for upcoming tours.

C. Construction

- a. Completed excavation of long Midway Valley Trench. Approximately 1,100 LF to near edge of dirt access road.
- b. Began and completed Trench 14D excavation and extension near top of Exile Hill. Shoring as required. Moved excavator to Trench 17.

6. Los Alamos National Laboratory, (LANL)

- a. Volcanism Team excavation near Cinder Cone west of Lathrop Wells, 6/11.

JUN 17 1992

- b. Participated in Project Office Task Force for selection of Preferred Initial Access (SPIA). Report of recommendation submitted to YMP and 06-06 review initiated.

7. Document and Records Center, (SAIC)

Activities during week ending June 5, 1992:

- a. Received and issued for controlled distribution:

YMP/TPP-92-09, Rev. 0, "Characterization of the Saturated-Zone Ground-Water Flow System, C-Well Complex, Test Package 92-09."

YMP/JP 92-2, Rev. 2, "Soil and Rock Properties North Portal: Drill Hole and Surface Facility Test Pits."

FCR 92/090, "YMP/WP/92-03; Clarify Specifications for Cement."

FCR 92/090, "YMP/JP92-3; Revised RSN Field Verification Plan (FVP) in Job Package 92-3."

- b. Supported on going tours.
- c. Attended FOC Staff Meetings.
- d. Provided overview for RSN regarding their controlled documents.
- e. Provided overview for NTS QA regarding their controlled documents.
- f. Reviewing the Training Instructions or Field Change Request.
- g. Copies 1,899 pages for YMP Staff.
- h. Issued 0 controlled documents.
- i. Reproduced 12 engineering copies.
- j. Issued 12 uncontrolled documents.

Activities during week ending June 12, 1992:

- a. FCR 92/097, "YMP/JP92-3; Technical Control Interfaces."
- b. Attended FOC Staff Meeting.
- c. Provided overview for Margie Shepard and B.J. Clements, TRW HQ regarding DRC activities.

JUN 17 1992

- d. Conducted internal audit of controlled documents issued by T&MSS Document Control Center.
- e. Reviewing and correcting FOC's site controlled documents.
- f. Met with John Croes, SAIC Management Assessment Team regarding transition.
- g. Reviewing the Training Instructions for Field Change Request process.
- h. Copies 6,219 pages for YMP Staff.
- i. Issued 103 controlled documents.
- j. Reproduced 10 engineering copies.
- k. Issued 29 uncontrolled documents.
- l. Received 8 completed record packages from SMF.

Winfred A. Wilson

Winfred A. Wilson
Site Manager

YMP:WAW-315

cc:

R. M. Cameron, CRWMS M&O/YMSO, M/S717
R. R. Schneider, SAIC/YMSO, M/S 717
G. K. Beall, SAIC, Las Vegas, NV
J. H. Peak, SAIC, Mercury, NV, M/S 719
C. J. Cotten, SAIC, Las Vegas, NV
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