



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

Reply to:  
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Las Vegas, Nevada 89101  
Tel: (702) 388-6125  
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TO: Joseph Holonich, Director, HLPD, M/S 4 H 3  
FROM: Paul T. Prestholt and John W. Gilray  
Sr. On-Site Licensing Representatives  
DATE: May 21, 1992  
SUBJECT: OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR  
THE WEEK ENDING MAY 1 and MAY 8, 1992

Please find enclosed the above-referenced reports.

There is nothing requiring specific management attention in the reports.

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

NOTE TO CHARLOTTE: Also enclosed is the LANL Monthly Activity Report for March, 1992, (We did not retain a copy in Las Vegas); April YMP Status Report for REECO, and April Project Status Report - April 1992 for LLNL.

*see enclosure on step*

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PDR WASTE PDR  
WM-11

ADD: Charlotte Abrams

*Lt. Encl.*

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10403*



## Department of Energy

Yucca Mountain Site Characterization

Project Office

P. O. Box 98608

Las Vegas, NV 89193-8608

MAY 15 1992

WBS 1.2.9.2

QA: N/A

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING  
MAY 1, 1992

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

#### A. Site Characterization Planning

##### Field Operations

At the request of the U.S. Bureau of Reclamation, Reynolds Electrical & Engineering Co., Inc. (REECo), has completed excavation of the last three test pits and soil density pads on job package (JP) 92-2, NRG-1 Road Pad, Soil and Rock Properties.

REECo has finished installing the electrical grounding loop for the UZ-16 drill pad, JP 92-4. Most of the structures, i.e., trailers for visitors and for the Sample Management Facility (SMF) logging, etc., have been pulled into place and set up.

The JP for drilling activities for UZ-16 pad is now being prepared after receiving formal notice to proceed from the Project Manager. It is scheduled to be delivered to the Site Manager by the end of the week.

Work is presently being done on neutron access borehole UZN-27, which has been bored down to a depth of 168.78 feet. Work should be completed by close of business April 30, 1992.

##### Geochemistry

No significant new items to report this week.

##### Regulatory Interactions

No significant new items to report this week.

Exploratory Studies Facility Task Force Activities

The 90 percent design review status is listed below. 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>
46 Through Engineering	24 Initial Draft	11 Initial Draft
20 Through Computer-Aided Draft Design	3 Final Draft	8 Final Draft
2 Through Review	1 Through Review	2 Through Review

Site Characterization Plan (SCP) Progress Report

No significant new items to report this week.

SCP Study Plan (SP) Status

No new SPs were submitted to or approved by the Yucca Mountain Site Characterization Project Office (YMPO) this week. A revision to the existing SP 8.3.1.2.2.1, "Characterization of the Unsaturated-Zone (UZ) Infiltration," was submitted to YMPO.

STUDY PLAN BREAKDOWN

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In Screening Review .....	0
In YMP and Headquarters (HQ) Review .....	6
Awaiting Comment Resolution Meeting .....	6
Awaiting Author Revision .....	9
In YMP/HQ Verification Audit .....	9
Preparing to Submit or Awaiting YMP Approval .....	1
Awaiting Submission to the U.S. Nuclear Regulatory Commission (NRC) .....	3
NRC Phase 1 Review .....	16
NRC Acceptance .....	20
Total .....	70

SCP/SP Status:

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

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State of Nevada Comments Status:

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

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NRC Comments Status:

Received Comments from the NRC .....	9
Responses Transmitted from OGD to the U.S. Department of Energy (DOE)/HQ .....	5

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SMF

No significant new activities to report this week.

B. Project Planning and Control

Completed the update of the M2001 database being used by the Civilian Radioactive Waste Management Systems Management and Operating Contractor (CRWMS M&O) to revise the Planning and Control System (PACS) planning from fiscal year (FY) 1993 through FY 2001. Converted the M2001 database to PACSPRO so it would become the project-level database. Converted participant databases to data contained in the previous M2001 database.

Produced planning products by participants and distributed them to CRWMS M&O for use in planning meetings with participants. Also produced planning products by work breakdown structure and distributed them to CRWMS M&O and internally for review and planning purposes.

The Independent Cost Estimate (ICE) team made site visits to Technical and Management Support Services (T&MSS) and CRWMS M&O. A status meeting on ICE was also held in Las Vegas, Nevada.

C. Quality Assurance Implementation

Determination of Importance and Grading Enhancement (DIGE)

Continuation of Existing Process

The Quality Review Board and associated assessment team continue to provide support to YMPO while the DIGE effort develops a modified process.

Quality (Q) List and Q-List Procedure Development

The draft revised Site Characterization Program Baseline package (for submittal to the Change Control Board) will be submitted for Quality Management Procedure (QMP) 06-04 review on May 1, 1992. The Plans and Procedures Division is formatting the draft licensing methodology document for submittal for QMP 06-04 review.

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Comments on the QMP 06-04 review of SAND89-7024 have been resolved and Sandia National Laboratories (SNL) is revising the methodology which they will use in subsequent tasks. SNL has provided revised logic and schedules for remaining activities. The Management Plan will be revised to reflect these changes. A status meeting of the SNL effort to apply the Items of Interest to Waste Isolation process to the alluvium is scheduled for May 9, 1992, at SNL.

Approved copies of revised Administrative Procedure (AP) 6.17Q have been distributed to YMP organizations to allow initiation of their organization's procedures. Resolution of comments on proposed QMP 02-10 is being considered through use of QMP 05-03. Completion of training of trainers continues.

#### Management Control List and Procedure Development

Final documentation of the extraction examples is being completed this week and the remaining portions of the Management Control Requirements (MCR) List Plan are also being completed to allow a management review of the plan. Continued development of AP 5.40 and AP 5.41 are dependent on completion of the MCR List Plan.

#### Implementation

As noted above, participants have now received a final copy of AP 6.17Q (effective date June 10, 1992) in order to initiate development of their procedures.

#### Task Management

Changes to the logic and schedule, as noted above, are now being incorporated into Revision 1 of the DIGE Management Plan. Following internal review, the plan will be submitted for review, approval, and change control.

#### D. Public Outreach and Institutional Activities

A Public Open House Tour of Yucca Mountain, Nevada, was conducted on April 25, 1992, for 340 people. Tour participants visited the Las Vegas Yucca Mountain Information Office (YMIO), the Field Operations Center (FOC), and Yucca Mountain.

A prebriefing on Yucca Mountain was given by A.C. Robison, DOE, on April 27, 1992, to over 300 students participating in the Nevada Association of Student Councils Conference. On April 28, 1992, these students, along with 20 students from Las Vegas High School, went on a tour of the Las Vegas YMIO, the FOC, and Yucca Mountain.

The Yucca Mountain lecture series, "Transportation," was presented by Paul Standish, T&MSS, on April 28, 1992, at YMIO.

A presentation was given by Richard Arnold, T&MSS, on the Yucca Mountain Cultural Resources Program, to over 150 students at Helen Herr Elementary School, April 29, 1992.

An Open House for the new YMIO in Pahrump, Nevada, was held April 30, 1992. Many members from the Pahrump community were invited, and Barbara Raper, Nye County Commissioner, was invited to speak.

A project overview presentation was given by Gregory Fasano, T&MSS, April 30, 1992, to members of the Lions Club, Las Vegas, Nevada.

Project institutional staff continued planning for the upcoming Public Update Meetings scheduled for May 11, 1992, in Pahrump, Nevada; May 12, 1992, in Henderson, Nevada; and May 14, 1992, in Carson City, Nevada.

Institutional staff provided support to project personnel for the Secretary of Energy Advisory Board (SEAB) Task Force on Radioactive Waste Management meetings on May 1, 1992, in Amargosa Valley, Nevada; and May 2, 1992, in Las Vegas, Nevada. The Project Manager gave a project overview presentation to task force members on April 30, 1992, at the Las Vegas YMIO. On May 1, 1992, task force members were given a tour of Yucca Mountain.

The YMP exhibit was set up and staffed for Earth Day activities held at Sunset Park, Las Vegas, Nevada, on April 25, 1992.

Two tours to Yucca Mountain were conducted on April 30, 1992, for a Mineral County, Nevada, representative and for 15 guests from Lawrence Livermore National Laboratory (LLNL).

## II. ANALYSIS & VERIFICATION DIVISION

Participated in the DOE/NRC technical exchange on scenario development and construction of complementary cumulative distribution functions April 28-29, 1992, in Albuquerque, New Mexico.

Participated in an Electric Power Research Institute meeting on elicitation of expert judgment on April 30, 1992 in Palo Alto, California.

Initiated the development of contingency plans for accomplishing prerequisite activities for repository and waste package advanced conceptual design.

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### III. GENERAL INFORMATION ITEMS

#### CRWMS M&O

CRWMS M&O began participant activities with respect to updating the PACS database in compliance with the Mission 2001 Plan and meetings were held with REECO, Raytheon Services Nevada, U.S. Geological Survey (USGS), and SNL.

#### YMP

The Waste Form Characteristics Report has been submitted for QMP 06-04 review.

On April 30, 1992, a YMPO briefing was provided for five members of the SEAB Task Force on Radioactive Waste Management and three members of the DOE SEAB staff. Carl Gertz gave an overview briefing and addressed questions from the SEAB Task Force and staff. The CRWMS M&O then presented a briefing on the conceptual design of the repository system, which included a description of the equipment and methods used for waste handling. On the following day, the SEAB Task Force and staff were taken on a tour of the Yucca Mountain site.

#### SNL

Two meetings between the CRWMS M&O repository design staff and SNL staff were held. The agenda for these meetings included discussions of previous design efforts managed by SNL and other repository design issues needing to be resolved during the advanced conceptual design period.

#### LLNL

LLNL participated in a meeting in Las Vegas, Nevada, for the thermal loading study being led by CRWMS M&O/Vienna. LLNL will be supporting CRWMS M&O by conducting repository-heat-driven hydrothermal calculations and assisting in drafting a Phase 1 report on thermal strategies by the end of June 1992. LLNL will also be conducting calculations and assisting in drafting Phase 2 of the thermal strategies report.

### 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.

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
<u>A. DOE/HQ Meetings</u>			
Thursday- Friday, May 7-8	Director's Forum	Chicago, IL	C. Gertz
<u>B. CRWMS M&amp;O-DOE Meetings</u>			
Tuesday, May 12	Monthly Briefing	Las Vegas, NV	C. Gertz
Friday, May 15	Monthly Program Management Review	Vienna, VA	C. Gertz
<u>C. Internal and DOE/NV Meetings</u>			
No significant meetings scheduled this week.			
<u>D. NRC Interactions</u>			
Tuesday, May 19	Interactions Schedulings	Rockville, MD	T. Bjerstedt
Wednesday, May 27	DOE Licensing Topical Report on Erosion	Rockville, MD	T. Bjerstedt
Wednesday, June 3	Drafts on License Application	Rockville, MD	T. Bjerstedt
(TBD) July 1992	Topical Report Calcite-Silica	TBD	T. Bjerstedt
(TBD) August 1992	WIPP - Briefing and Tour	Carlsbad, NM	T. Bjerstedt
(TBD) September 1992	Total System Performance Assessment	TBD	T. Bjerstedt
<u>E. NWTRB Interactions (P)</u>			
Monday, May 11	NWTRB Panel on EBS	Hanford, WA	A. Simmons
Wednesday, May 13	NWTRB Panel on EBS	Idaho Falls, ID	A. Simmons
Tuesday- Friday, July 7-10	NWTRB Full Board Meeting	Denver, CO	A. Simmons

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
E. <u>NWTRB Interactions (P) (Continued)</u>			
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
F. <u>State and Public Interactions</u>			
Monday, May 4	Beatty High School	Beatty, NV	R. Arnold
Monday, May 4	ASQC Third International Waste Management Conference	Las Vegas, NV	C. Gertz
Tuesday, May 5	Industrial Relations Research Association	Las Vegas, NV	C. Gertz
Tuesday, May 5	Past Presidents of Rotary	Fallon, NV	G. Fasano C. Binzer
Tuesday, May 5	M. M. Christensen Elementary School	Las Vegas, NV	J. Calovini
Wednesday, May 6	Glazing Contractors Association of Nevada	Las Vegas, NV	K. Beall
Wednesday, May 6	UNLV	Las Vegas, NV	R. Arnold
Wednesday, May 6	Clark County Library National Issues Forum	Las Vegas, NV	TBD
Thursday, May 7	Nevada Water Savers	Las Vegas, NV	R. Arnold
Thursday, May 7	Las Vegas Optimists Club	Las Vegas, NV	TBD
Thursday, May 7	Yucca Mountain Lecture Series	Pahrump, NV	P. Standish
Friday, May 8	Midwestern High- Level Radioactive Waste Committee	Chicago, IL	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions (Continued)</u>			
Monday, May 11	Public Update Meeting (P)	Pahrump, NV	C. Gertz
Tuesday, May 12	Public Update Meeting (P)	Henderson, NV	C. Gertz
Wednesday, May 13	Southern Nevada Chapter of National Spa & Pool Institute	Las Vegas, NV	K. Beall
Thursday, May 14	Public Update Meeting (P)	Carson City, NV	C. Gertz
Thursday, May 14	McQueen High School	Reno, NV	C. Gertz
Monday, May 18	Southern Nevada Chapter of Chevron Retirees Association	Las Vegas, NV	P. Standish
Wednesday, May 20	Fallon Board of Realtors	Fallon, NV	C. Binzer
Thursday, May 21	Yucca Mountain Lecture Series	Beatty, NV	J. Blink
Friday, May 22	Tonopah Elementary School	Tonopah, NV	J. Blink
Friday, May 22	Silver Rim Elementary School	Tonopah, NV	J. Blink
Tuesday, May 26	Yucca Mountain Lecture Series	Las Vegas, NV	J. Blink
Tuesday, May 26	Associated General Contractors	Las Vegas, NV	A. Robison
Saturday, May 30	Boy Scouts Geology Merit Badge Workshop	Las Vegas, NV	E. Harle
Thursday, June 11	Catholic Daughters of the Americas	Las Vegas, NV	R. Arnold
Thursday, June 18	Nevada Republic Women's Club	S. Lake Tahoe, NV	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
F. <u>State and Public Interactions (Continued)</u>			
Thursday, June 18	National Association of Industrial & Office Properties	Las Vegas, NV	A. Robison
Tuesday, July 28	Nevada Department of Transportation	Sparks, NV	P. Standish
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- Tuesday, September 21-22	Emerging Technologies for Hazardous Waste Management	Atlanta, GA	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>
G. <u>Exhibits Scheduled</u>		
Sunday- Wednesday, May 3-6	ASQC International Waste Management Conference	Las Vegas, NV
Monday- Thursday, May 11-14	Institute of Shaft Drilling Technology	Las Vegas, NV
Monday, May 11	Public Update Meeting (P)	Pahrump, NV
Tuesday, May 12	Public Update Meeting (P)	Henderson, NV
Thursday, May 14	Public Update Meeting (P)	Carson City, NV
Thursday, May 14	McQueen High School	Reno, NV
Thursday, May 28	Public Open House (P)	Las Vegas, NV
Saturday, June 27	Public Open House (P)	Las Vegas, NV

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<u>Date</u>	<u>Event</u>	<u>Escorts</u>
<b>H. <u>Tours Scheduled</u></b>		
Tuesday, May 5	Beatty High School	S. Tarr L. Camp F. Baird
Wednesday, May 6	USGS Management	R. Craig
Thursday, May 7	Clark High School	TBD
Friday, May 8	LLNL	J. Blink
Monday, May 11	Institute of Shaft Drilling Technology	TBD
Friday, May 15	Orr Junior High School	TBD
Wednesday, May 20	Las Vegas High School	TBD
Friday, May 22	American Nuclear Society President	C. Gertz
Thursday, May 28	Public Open House (P)	Various Escorts
Friday, May 29	Brinley Junior High School	TBD
Saturday, June 27	Public Open House (P)	Various Escorts

IRM:DLH-3261

  
 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

MAY 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  
MAY 8, 1992

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

Regarding Job Package (JP) 92-3, UZ-16 Drilling, the Site Manager has received the notice to proceed from the Project Manager and is preparing the JP authorization letter which will be submitted with the JP to the respective participants no later than May 7, 1992. It is anticipated that drilling will commence on or about May 19, 1992.

There was very little field activity this past week as Reynolds Electrical & Engineering Co., Inc. (REECo), has completed most of the earthmoving excavation work for test pits, access roads, and field pads.

REECo has completed the eleventh neutron borehole, N-27, which is located at the north end of Yucca Mountain, Nevada. It was bored down to 202.48 feet. They have demobilized and are rigging up for the start of the last neutron borehole, N-35. The utilization of the CME-550 drill rig or the recently-procured CME-850 drill rig are being considered to accomplish this activity.

The Site Manager has received the final draft of the Site Emergency Management Plan for review.

A copy of the Five-Year Safety and Health Plan has been forwarded to the Director of the Office of Systems and Compliance, with a separate cover letter to the Office of Civilian Radioactive Waste Management (OCRWM) Director.

Sample Management Facility (SMF)

Completed processing core and/or cuttings from UZN-38, 64, and completed removal of specimens from UZN-15, 16, 17, 27, 38, and 64.

A review of Draft A, SMF Procedures revisions, was completed and submitted to the Plans and Procedures Division (PPD).

Geochemistry

No significant new items to report this week.

Regulatory Interactions

No significant new items to report this week.

Exploratory Studies Facility Task Force Activities

The 90 percent design review status is as follows: 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>
52 Through Engineering	26 Initial Draft	15 Initial Draft
29 Through Computer-Aided Draft Design	3 Final Draft	12 Final Draft
3 Through Review	1 Through Review	4 Through Review

Site Characterization Plan (SCP) Progress Report (PR)

PR 5 has completed concurrence review within OCRWM and it has been forwarded for external review within the U.S. Department of Energy (DOE)/Headquarters (HQ). Input for PR 6 has been received and the document is being compiled. The draft PR 6 will go out for review on May 12, 1992.

SCP Study Plan (SP) Status

SP 8.3.1.4.2.1, "Characterization of Vertical and Lateral Distribution of Stratigraphic Units in the Site Area," has completed the review cycle and was submitted to the Yucca Mountain Site Characterization Project Office (YMPO) for approval this week. This plan cannot be approved until two change requests to the Site Characterization Program Baseline (SCPB) have been approved.

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## STUDY PLAN BREAKDOWN

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In Screening Review .....	0
In YMP and HQ Review .....	4
Awaiting Comment Resolution Meeting .....	8
Awaiting Author Revision .....	8
In YMP/HQ Verification Audit .....	9
Preparing to Submit or Awaiting YMP Approval .....	2
Awaiting Submission to the U.S. Nuclear Regulatory Commission (NRC) .....	3
NRC Phase 1 Review .....	14
NRC Acceptance .....	22
Total .....	70

## SCP/SP Status:

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

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## State of Nevada Comments Status:

Received Comments from the State of Nevada .....	10
Responses Transmitted to the State of Nevada .....	5

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## NRC Comments Status:

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

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B. Project Planning and Control

Completed installation of the Planning and Control System Participant Work Stations at U.S. Geological Survey (USGS), Raytheon Services Nevada (RSN), the Civilian Radioactive Waste Management Systems Management and Operating Contractor (CRWMS M&O), Sandia National Laboratories (SNL), Technical and Management Support Services (T&MSS), and REECo. The remaining installations at Los Alamos National Laboratory and Lawrence Livermore National Laboratory (LLNL) will be completed during the week of May 11-15, 1992.

Completed the compilation of fiscal year (FY) 1992 Planning and Scheduling (P&S) Account Work Authorization Documents (WKA01) signed by participant Technical Project Officers into books for DOE Division Directors (DD). The books had WKA01s organized by project work breakdown structure (PWBS) element managers. The books were forwarded to DDs requesting DD review and signatures of PWBS element managers. Completed documents will constitute agreement between DOE and participants as to FY 1992 P&S account workscopes and budgets.

C. Quality Assurance Implementation

An internal audit of the YMPO implementation of the OCRWM Quality Assurance (QA) Program was conducted between May 4-7, 1992. Six of the twenty QA Program elements described in the OCRWM Quality Assurance Program Description document were evaluated. Three of the elements were found to be satisfactorily implemented. The remaining three elements were found to have had no implementation. Follow-up verification for Corrective Action Request (CAR) YM-92-007, which identified procurement deficiencies, indicated that the remedial and preventative actions taken in response to the procurement deficiencies were satisfactory. There were no CAR's initiated during the audit. The audit team concluded that YMPO was effectively implementing the OCRWM QA Program for the QA Program elements audited.

Determination of Importance and Grading Enhancement (DIGE)

Continuation of Existing Process

The Quality Review Board and associated assessment team continue to provide support to YMPO while the DIGE effort develops a modified process.

Quality (Q) List and Q-List Procedure Development

The Quality Management Procedure (QMP) 06-04 review of the draft revised SCPB package was initiated. With resolution, the package will be taken to the Change Control Board. PPD continues preparation of the draft licensing methodology document (YMP/92-7) for submittal for QMP 06-04 review. SNL is working on development of a revised Items of Interest to Safety process criteria based on the draft revised SCPB package, the draft licensing methodology and resolved comments from SAND89-7024. A status meeting was held at SNL on their application of the Items of Interest to Waste Isolation process to the alluvium. Revised schedules for these activities are now part of draft Revision 1 of the management plan, now entering QMP 06-04 review.

Training of trainers is being completed and training material developed for the new procedures developed as part of the DIGE effort. A draft new procedure (QMP 05-03) is being developed in place of proposed QMP 02-10 (Q-Grading) to contain procedure application guide direction.

### Management Control List and Procedure Development

The Management Control Requirements (MCR) List Plan is currently in internal management review. After resolution of comments and incorporation of the final information from the extraction and data entry examples, the plan will be submitted to YMPO. Continued development of Administrative Procedure (AP) 5.40 and AP 5.41 are dependent on completion of the MCR List Plan.

### Implementation

As noted in previous reports, participants have now received a final copy of AP 6.17Q, effective date June 10, 1992, to initiate development of their procedures.

### Task Management

A draft Revision 1 of the DIGE Management Plan, which incorporates noted changes to logic and schedule, has been submitted to PPD for review, approval and change control.

## D. Public Outreach and Institutional Activities

Project overview presentations were given by the Project Manager, at the American Society for Quality Control (ASQC) Third International Waste Management Conference, Las Vegas, Nevada, on May 4, 1992, and to the Industrial Relations Research Association in Las Vegas, Nevada, on May 5, 1992.

Presentations on the Yucca Mountain Cultural Resources Program were given by Richard Arnold on May 4, 1992, at Beatty High School; on May 6, 1992 at the University of Nevada, Las Vegas; and on May 7, 1992, to the Nevada Water Savers, Las Vegas, Nevada.

Educational presentations were given by Joseph Calovini (RSN), at M. M. Christensen Elementary School on May 5, 1992; and by Effie Harle (Science Applications International Corporation) on May 6, 1992, at Kit Carson Elementary School, both in Las Vegas, Nevada.

Project overview presentations were given by A. C. Robison on May 5, 1992, at Miller & Chevalier law firm, Washington, D.C.; by Gregory Fasano and Christopher Binzer (T&MSS) to the Past Presidents of the Rotary, Fallon, Nevada; on May 6, 1992, by Ken Beall to the Association of Glazing Contractors, Las Vegas, Nevada; on May 7, 1992, by Paul Standish (T&MSS) to the Las Vegas Optimist Club; on May 8, 1992, by Jean Younker (CRWMS M&O) and Beatrice Reilly (T&MSS), at the Midwestern High-Level Radioactive Waste Committee meeting in Chicago, Illinois.

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On May 6, 1992, Michael Voegele, Technical Project Officer (T&MSS) participated in a panel discussion on Energy Options at the Clark County Library, Las Vegas, Nevada, for the Southern Nevada Advisory Committee for National Issues Forum.

The Yucca Mountain Lecture Series, "Transportation," was presented by Paul Standish on May 7, 1992, at the Yucca Mountain Information Office (YMIO) in Pahrump, Nevada.

Several individuals from YMPO attended the Director's Forum in Chicago, Illinois, on May 7, 1992. A Nye County, Nevada, Interaction Meeting was held in Chicago, Illinois, on May 8, 1992, following the Director's Forum.

The Office of Institutional and External Affairs staff continue planning for the upcoming Public Update Meetings scheduled for May 11, 1992, in Pahrump, Nevada; on May 12, 1992, in Henderson, Nevada; and on May 14, 1992, in Carson City, Nevada.

The YMP exhibit was set up and staffed for the ASQC Third International Waste Management Conference, Las Vegas, Nevada, May 3-6, 1992.

Tours to Yucca Mountain were conducted on May 5, 1992, for 48 students and faculty members from Beatty High School; on May 6, 1992, for 90 guests from USGS; and on May 8, 1992, for 15 guests from LLNL.

On May 7-8, 1992, 25 guests from the Nuclear Waste Technical Review Board toured Yucca Mountain. A YMP overview briefing was given by Maxwell Blanchard (YMPO) at YMIO prior to the group's departure to Yucca Mountain.

## II. ANALYSIS & VERIFICATION DIVISION

Attended Flow and Transport Performance Assessment meeting May 5-6, 1992, in Las Vegas, Nevada.

Reviewed and prepared comments on CRWMS M&O's "System Throughput Rate Study - Interim Report."

## III. GENERAL INFORMATION ITEMS

### CRWMS M&O

A presentation was made to the Secretary of Energy Advisory Board Task Force on Radioactive Waste Management by YMP and CRWMS M&O personnel.

MAY 18 1992

SNL

A review of the SNL laboratory and field test program was performed to determine which, if any, tests SNL should field during the construction of the North Ramp Tunnel Boring Machine Launch chamber. Sample collection for laboratory tests was the only activity identified as being applicable to this early construction activity.

LLNL

The feasibility study of using resonant cavity to measure relative humidity in rock samples continues. A prototype resonant cavity of about 1.0 cm in diameter and 2.29 cm in length was fabricated. This is the smallest size currently possible due to the frequency limitation of the network analyzer on hand. Testing and calibration measurements on the prototype resonant cavity will commence as soon as the network analyzer is calibrated.

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>
<b>A. <u>DOE/HQ Meetings</u></b>			
Thursday- Friday, May 7-8	Director's Forum	Chicago, IL	C. Gertz
Wednesday, June 3	Program Management Meeting	Washington, DC	C. Gertz
Friday, June 5	Project Manager/ Technical Project Officer Meeting	Las Vegas, NV	C. Gertz
Friday, June 5	Planning and Budget Meeting	Las Vegas, NV	C. Gertz
<b>B. <u>CRWMS M&amp;O/DOE Meetings</u></b>			
Thursday, May 14	Monthly Briefing Meeting	Las Vegas, NV	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
<b>B. <u>CRMS M&amp;O/DOE Meetings</u> (Continued)</b>			
Friday, May 15	Program Management Review	Vienna, VA	L. Foust
<b>C. <u>Internal and DOE/NV Meetings</u></b>			
Wednesday, May 20	Manager's Program Review	Las Vegas, NV	C. Gertz
<b>D. <u>NRC Interactions</u></b>			
Tuesday, May 19	Interactions Schedulings	Rockville, MD	T. Bjerstedt
Wednesday, May 27	DOE Licensing Topical Report on Erosion	Rockville, MD	T. Bjerstedt
Wednesday, June 3	Technical Exchange- Discussion on Draft Format of License Application	Rockville, MD	T. Bjerstedt
(TBD) July 1992	Topical Report on Calcite-Silica	TBD	T. Bjerstedt
(TBD) August 1992	WIPP - Briefing and Tour	Carlsbad, NM	T. Bjerstedt
(TBD) September 1992	Total System Performance Assessment	TBD	T. Bjerstedt
<b>E. <u>NWTRB Interactions (P)</u></b>			
Monday, May 11	NWTRB Panel on EBS	Hanford, WA	A. Simmons
Wednesday, May 13	NWTRB Panel on EBS	Idaho Falls, ID	A. Simmons
Sunday, June 7	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

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
E. <u>NWIRB Interactions (P) (Continued)</u>			
Thursday- Friday, October 15-16	NWIRB 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, May 11	Public Update Meeting (P)	Pahrump, NV	C. Gertz
Tuesday, May 12	Public Update Meeting (P)	Henderson, NV	C. Gertz
Wednesday, May 13	Southern Nevada Chapter of National Spa & Pool Institute	Las Vegas, NV	K. Beall
Thursday, May 14	Public Update Meeting (P)	Carson City, NV	C. Gertz
Thursday, May 14	McQueen High School	Reno, NV	C. Gertz
Monday, May 18	Southern Nevada Chapter of Chevron Retirees Association	Las Vegas, NV	P. Standish
Wednesday, May 20	Fallon Board of Realtors	Fallon, NV	C. Binzer
Thursday, May 21	Yucca Mountain Lecture Series	Beatty, NV	J. Blink
Friday, May 22	Tonopah Elementary School	Tonopah, NV	J. Blink
Friday, May 22	Silver Rim Elementary School	Tonopah, NV	J. Blink
Tuesday, May 26	Yucca Mountain Lecture Series	Las Vegas, NV	J. Blink
Tuesday, May 26	Associated General Contractors	Las Vegas, NV	A. Robison
Saturday, May 30	Boy Scouts Geology Merit Badge Workshop	Las Vegas, NV	E. Harle

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Speaker</u>
<b>F. <u>State and Public Interactions (Continued)</u></b>			
Monday, June 1	Town Forum	Crescent Valley, NV	A. Robison P. Standish
Tuesday, June 2	Town Forum	Pine Valley, NV	A. Robison P. Standish
Wednesday June 3	Town Forum	Eureka, NV	A. Robison P. Standish
Thursday, June 11	Catholic Daughters of the Americas	Las Vegas, NV	R. Arnold
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
Tuesday, July 28	Nevada Department of Transportation	Sparks, NV	P. Standish
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- Tuesday, September 21-22	Emerging Technol- ogies for Hazardous Waste Management	Atlanta, GA	C. Gertz

<u>Date</u>	<u>Event</u>	<u>Location</u>
<b>G. <u>Exhibits Scheduled</u></b>		
Monday- Thursday, May 11-14	Institute of Shaft Drilling Technology	Las Vegas, NV
Monday, May 11	Public Update Meeting (P)	Pahrump, NV
Tuesday, May 12	Public Update Meeting (P)	Henderson, NV
Thursday, May 14	Public Update Meeting (P)	Carson City, NV

<u>Date</u>	<u>Event</u>	<u>Location</u>
<b>G. <u>Exhibits Scheduled</u> (Continued)</b>		
Thursday, May 14	McQueen High School	Reno, NV
Thursday, May 28	Public Open House (P)	Las Vegas, NV
<u>Date</u>	<u>Event</u>	<u>Escorts</u>
<b>H. <u>Tours Scheduled</u></b>		
Saturday, June 27	Public Open House (P)	Las Vegas, NV
Monday, May 11	Institute of Shaft Drilling Technology	TBD
Thursday, May 14	Chaparral High School	TBD
Friday, May 15	Orr Junior High School	TBD
Tuesday, May 19	Employee Advisory Committee	E. Larkin
Wednesday, May 20	Las Vegas High School	TBD
Friday, May 22	American Nuclear Society President	C. Gertz
Thursday, May 28	Public Open House (P)	Various Escorts
Friday, May 29	Brinley Junior High School	TBD
Thursday, June 18	SAIC Training	G. Mansur
Saturday, June 27	Public Open House (P)	Various Escorts
Friday, July 17	Public Open House (P)	Various Escorts
Saturday, August 22	Public Open House (P)	Various Escorts