



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

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

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

DATE: June 17, 1991

SUBJECT: YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS

Please find enclosed the above-referenced report for the week of May 31, 1991, and the week of June 7, 1991. (Page seven of the June 7 report contains a handwritten comment.).

There is nothing requiring specific management attention in these reports.

nan

cc w/encs.: King Stablein, M/S 4 H 3
Harold R. Denton, M/S 17 F 2
Dean Kunihiro, Region 5

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Department of Energy
 Yucca Mountain Site Characterization
 Project Office
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 Las Vegas, NV 89193-8608

WBS 1.2.9
 QA: N/A

JUN 12 1991

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
 JUNE 7, 1991

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

A. Site Characterization Planning

Exploratory Studies Facility (ESF) Task Force Activities

Office of Civilian Radioactive Waste Management (OCRWM) Milestone (M/S) status: (See note)

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

MILESTONE	SCHEDULED DATE	EXPECTED DATE
R0A: Prepare plan for resolution of the U.S. Nuclear Regulatory Commission (NRC) Site Characterization Analysis Design Control Objection.	3/15/91	TBD
H1: Issuance of a public document articulating the ESF Decision Process.	2/91	TBD
H2: Prepare transition plan from current document hierarchy to new document hierarchy (Management System Improvement Strategy [MSIS]).	3/15/91	TBD

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

Note: At this time none of the above M/S appear to have a specific impact on OCRWM M/S H10, the initial phase of ESF portal construction.

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

DELIVERABLE	NORTH AREA (81)	SOUTH AREA (86)
Mock Up	COMPLETE	49
Computer-aided draft design (CADD)	91*	11
Check	91*	6
I-D Review	91*	-
Quality Assurance (QA) Sign Off	85	-

*The 81 drawings are comprised of 91 sheets.

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

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

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

Site Characterization Plan (SCP) Progress Report (PR)

PR 3 has been printed and distribution of the document is proceeding this week. The Yucca Mountain Site Characterization Project Office (YMPO) is planning to initiate an OCRWM and U.S. Department of Energy/Headquarters (DOE/HQ) review of the draft PR 4 on June 10, 1991.

SCP Comments

A three-day Integration Group Meeting is being held this week in Las Vegas, Nevada, to continue review of draft responses developed for the State of Nevada's September 1989 SCP comments.

SCP Study Plan Status

A comment resolution meeting has been planned for Study Plan 8.3.1.4.2.2 (revision 1), "Characterization of Structural Features within the Site Area," for June 13, 1991, in Denver, Colorado.

All comments have been received on Study Plan 8.3.1.5.1.3, "Climatic Implications of Terrestrial Paleoecology" and are being forwarded to the Principal Integrator (U.S. Geological Survey [USGS]).

Study Plan 8.3.1.2.2.6, "Characterization of Gas-Phase Movement in the Unsaturated Zone," has been transmitted to YMP for approval.

STUDY PLAN BREAKDOWN

In Revision After Screening Review.....	1
In YMPO and HQ Review.....	9
Awaiting Comment Resolution Meeting.....	15
Awaiting Author Revision.....	8
In YMPO/HQ Verification Audit.....	3
Verification Complete-Awaiting HQ Sign-off.....	0
Awaiting YMPO Approval.....	1
Approved and Awaiting Transmittal to NRC.....	3
NRC Acceptance Review.....	17
NRC Acceptance.....	7
Total.....	64

Early Site Suitability Evaluation (ESSE)

The ESSE Core Team continued their internal review of guideline evaluations. The evaluations scheduled were the system guideline for radiological safety and technical guidelines for offsite installations and operations, geochemistry, and dissolution.

Prototype Drilling

Recent contract negotiations have been concluded with Lang Exploratory Drilling (Lang) with the following results: (1) An extension has been granted to Lang for the completion of the LM-300

pipe handling system until June 15, 1991; (2) a firm date of July 15, 1991, has been set for the initiation of the shakedown testing of the LM-300 and its pipe handling system. Lang will conduct the shakedown by drilling a 2,000 foot (approximately) borehole at the Barrick-Mercur Mine site near Salt Lake City, Utah. The drilling is planned to be conducted during three five-day drilling sessions (Monday—Friday). Some core will be taken to demonstrate system capabilities during this activity. The Sample Management Facility will be on location to receive the core and exercise core handling procedures modified following the Apache Leap, Arizona, drilling.

Presentations Pertaining to the Szymanski Hypotheses

Christopher Fridrich, Physical Scientist with DOE/YMP, presented a paper at the American Geophysical Union Spring Meeting in Baltimore, Maryland, in a special session titled "The Potential of Tectonism and Volcanism for Producing Significant Excursions of the Water Table." The title of the paper was "A Geologic Hypothesis for the Large Hydraulic Gradient under Yucca Mountain, Nevada," by Christopher Fridrich, David Dobson, and William Dudley.

Christopher Fridrich was an observer at a joint meeting of the National Academy of Sciences panel on coupled hydrologic/tectonic/hydrothermal systems at Yucca Mountain and the Technical Review Panel on the revised Szymanski Report.

B. Environmental Programs

Transportation Studies

The draft Caliente Conceptual Rail Access Design Report has been submitted for YMPO review. This report completes a two-year study to evaluate the feasibility of constructing a rail access spur from Caliente, Nevada, to the Yucca Mountain Site, and an alternative road access route on the north side of Forty-Mile Wash. Draft results indicate the route is feasible. It is approximately 350 miles long and would cost approximately one billion dollars to construct. The draft report will be the topic of review meetings with the State of Nevada and units of local government in Lincoln and Nye Counties beginning in July 1991.

Environmental Compliance and Permitting

On May 30, 1991, another letter requesting additional dust control information for YMPO's air quality permit application was received from the Nevada Division of Environmental Protection. A response was prepared and submitted on June 6, 1991.

The Nevada State Engineer has scheduled a prehearing conference on June 13, 1991, to plan for a water appropriation permit public hearing.

C. Field Operations

The YMP Site Manager and Field Operations staff have completed preparations for the upcoming Yucca Mountain Open House and Site Tour scheduled for Saturday, June 8, 1991. Approximately 400 people, including YMPO volunteers, are expected to attend.

Personnel from the Edison Electric Institute will be touring the site on June 11, 1991. Feeding services will be provided for all tour participants.

YMPO recently sent two YMPO personnel to Idaho Falls, Idaho, to the EG&G Occurrence Reporting and Processing System (ORPS) for an update and receipt of information that will be needed when YMPO implements the ORPS. Valuable information was given to the Site Manager, and a letter will be forthcoming under the Project Manager's signature to the Nevada Operations Office on refinements of our personnel designees.

The YMP Site Manager has received the refined estimate from Johnson Controls, who will be providing videotaping services to YMPO on the upcoming LM-300 drilling requirements at Tooele, Utah.

A Sample Overview Committee Meeting was held on June 4, 1991.

Specimens were approved for Barbara Carlos and Bruce Robinson, Los Alamos National Laboratory, on June 4, 1991.

D. Project Planning and Control

Members of the staff attended a DOE Project Control Manager's Meeting in Washington, D.C.

The Performance Measurement Baseline was put under project change control.

E. Quality Assurance Implementation

YMPO QA staff conducted an audit of Lawrence Livermore National Laboratory (LLNL) on June 3-7, 1991. The audit was held at LLNL and was attended by State of Nevada and NRC representatives.

Management Assessment

Members of the YMPO staff participated in the weekly telecon with DOE/HQ for the Management Assessment of the QA Program. Comments on the draft report were provided to James Bresee, Deputy Associate Director of the Office of Program and Resource Management.

F. Major Oversight Group Meetings

No major meetings this week.

G. Public Outreach Activities

Public presentations were made to the American Nuclear Society Committee for New Construction on June 3, 1991, in Orlando, Florida; the American Nuclear Society 1991 Annual Meeting on June 5, 1991, in Orlando, Florida; and the Mineral County Commissioners in Hawthorne, Nevada, on June 6, 1991.

The Office of Institutional and External Affairs (OIEA) staff attended the American Nuclear Society Meeting in Orlando, Florida.

OIEA staff members are working on the following projects:

Supplying information panels to Palo Verde, California, Nuclear Power Plant for their Information Office.

Creating a portable Native American Indian display for taking to rural information meetings.

Completing the technology module for the Garside Junior High School Technology Laboratory.

The Climax Mine Exhibit is scheduled for an early July 1991 completion date.

H. Near Term Decision Plan

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

I. Systems Management and IntegrationManagement System Improvement Strategy

YMPO remains concerned that it has not received MSIS draft products in accordance with the schedule developed by the Office of Systems Compliance. Failure to receive the scheduled draft/approved documents by July 5, 1991, will result in the use of existing YMP Controlled Documents for the review of the revised Title I Summary Report and the Energy Systems Acquisition Advisory Board review.

Technical Data Management

Work continues on the Parameter Dictionary and the Technical Data Base Handbook. The meeting on locations, held May 16-17, 1991, between EG&G, Sandia National Laboratories (SNL) and Technical and Management Support Services, identified an approach to resolving discrepancies in physical location (coordinates) of activities on the site. Discrepancies will be resolved and a controlled locations list made available by the end of June 1991.

Geographic Information System (GIS)

A tour and briefing of the GIS component of the Technical Data Base was provided to USGS and Lawrence Berkeley Laboratory personnel on May 29-30, 1991. Response was very favorable, and an additional tour has been scheduled for August 1991.

An orthophoto index map of the site was completed and delivered to YMPO. The orthophotography will be used to map all disturbed areas (roads, trenches, drill pads, etc.) and all proposed activity locations on the site. Photography used in producing the orthophotos has been provided to SNL and U.S. Bureau of Reclamation investigators for use in geologic mapping.

Do we want a copy?

Geochemistry

LLNL scientists reviewed the draft Technical Database Handbook and revised the Thermodynamic Database section (GEMBOCHS). A summary of the parameter categories and parameters in GEMBOCHS was prepared.

II. ANALYSIS & VERIFICATION DIVISION (AVD)

Participated in the Integration Group Meeting to review/revise responses to the State of Nevada comments on the SCP, June 4-6, 1991, in Las Vegas, Nevada.

Initiated verification review under Implementing Line Procedure 22.3.1 procedure for the following:

Study Plan 8.3.1.3.4.2, Biological Sorption and Transport

Initiated review of proposed resolutions to the OGD/AVD technical comments provided under Administrative Procedure 1.10Q review procedure for the following:

Study Plan 8.3.1.14.2, Studies to Provide Soil and Rock Properties for Potential Locations of Surface Facilities and Subsurface Access Facilities

Draft comments were provided on the latest draft of the Mission Plan Amendment on June 3, 1991. A meeting was held with representative of the Office of Strategic Planning and International Programs on June 5, 1991.

III. SIGNIFICANT ACCOMPLISHMENTS/INFORMATION ITEMS

The Management Review of the ESF North Area Design Studies has commenced. Reviewers include representatives from all YMP participants.

The initial activities leading to a Value Engineering Plan have commenced.

IV. UPCOMING EVENTS CALENDAR

Please note that the usage of "(P)" in the calendar indicates that the event is open to the public.

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
A. <u>DOE/HQ Meetings</u>			
Friday, June 14	Program Management Meeting	Washington, DC	C. Gertz
B. <u>Internal and DOE/NV Meetings</u>			
No meetings this reporting period.			
C. <u>NRC Interactions</u>			
Tuesday, July 30	NRC TE on Data Management	TBD	TBD
Wednesday- Thursday, August 7-8	NRC SV on Waste Form: Glass	TBD	TBD
Thursday, September 12	NRC Management Mtg. on Procedural Agreements	TBD	TBD
Monday- Tuesday, September 16-17	NRC TE on ESF Design Status	TBD	TBD

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
C. <u>NRC Interactions (continued)</u>			
Tuesday- Wednesday, October 29-30	NRC TE on Scenario Development & CCDF	TBD	TBD
Tuesday, November 19	NRC Meeting on Regulatory Strategy	TBD	TBD
Wednesday, November 20	NRC Interactions Scheduling Meeting	TBD	TBD
D. <u>NWTRB Interactions (P)</u>			
Tuesday- Thursday, June 18-20	NWTRB EBS Workshop	Denver, CO	D. Harrison- Giesler
Tuesday- Thursday, June 25-27	Joint SG&G/HG&G Meeting on Testing Review	Denver, CO	A. Simmons
Monday, July 15	SG&G Panel Meeting on ESF Design Review Update	Arlington, VA	A. Simmons
Tuesday- Thursday, July 16-18	NWTRB Full Board Meeting	Arlington, VA	A. Simmons
Monday- Tuesday, August 26-27	WIPP Tour and Roundtable Discussion	Albuquerque, NM	A. Simmons
Thursday, August 15	NWTRB T&S Panel Public Hearing	Denver, CO	A. Simmons
Thursday- Friday, September 5-6 RESCHEDULED from September 4-5	SG&G Panel Mtg. on Seismic Risk	Salt Lake Cty, UT	A. Simmons
Wednesday- Thursday, September 18-19	Borehole Sealing and Backfill	Albuquerque, NM	A. Simmons
Wednesday- Thursday, September 18-19	SG&G Panel Mtg. on ESF Design Review	TBD	TBD

John W. Bartlett

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NWTRB Interactions (P) (continued)</u>			
Sunday- Tuesday, September 25-27	T&S Panel Meeting	TBD	TBD
Tuesday- Thursday, October 8-10	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons
Tuesday- Wednesday, November 12-13	SG&G Panel Mtg. on Test Prioritization, Site Suitability & ESF Design	TBD	A. Simmons
E. <u>State and Public Interactions (P)</u>			
Monday, June 3	ANS Committee for New Construction	Orlando, FL	C. Gertz
Wednesday, June 5	ANS '91 Annual Meeting	Orlando, FL	C. Gertz
Thursday, June 6	Mineral County Commissioners	Hawthorne, NV	A. Robison
Saturday, June 8	Open House Tour	Las Vegas, NV	C. Gertz
Saturday, June 8	Nat'l. Radiation Protection Assoc. Conference	Las Vegas,	C. Gertz
Tuesday, June 11	EEI/U Waste Steering Committee	Las Vegas, NV	C. Gertz
Wednesday, June 12	EEI/U Waste Steering Committee	Las Vegas, NV	C. Gertz/ A. Robison
Tuesday- Friday, June 11-14	YMCA Youth Camps	Las Vegas, NV	E. Harle
Thursday, June 13	Sierra Pacific Power Company	Reno, NV	C. Gertz
Monday, June 17	YMCA Summer Youth Camp Group	Las Vegas, NV	E. Harle

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
E. <u>State and Public Interactions (P)</u> (continued)			
Wednesday, June 19	Las Vegas Exchange Club	Las Vegas, NV	K. Beall
Tuesday, July 9	University of California	Santa Barbara, CA	C. Gertz
F. <u>Exhibits (P)</u>			
Saturday, June 8	Open House	Field Oper. Center	TBD
Friday- Saturday, June 14-15	Founders Day Celebration	Silver Spngs., NV	TBD
Wednesday- Monday, August 14-19	Nevada State Fair	Reno, NV	TBD
TBD	Lincoln County Fair	Panaca, NV	TBD
TBD	Pioche Labor Day Celebration	Pioche, NV	TBD
Thursday- Sunday, September 26-29	Women of the 90's	Las Vegas, NV	TBD
Friday- Sunday, September 27- October 6	Las Vegas Jaycees State Fair	Las Vegas, NV	TBD
<u>Date</u>	<u>Tour Guests</u>	<u>Escorts</u>	
G. <u>TOURS (P)</u>			
Tuesday, June 4	Wackenhut Services, Inc. - TENTATIVE	TBD	
Saturday, June 8	Public Open House	Various	
Tuesday, June 11	Edison Electric Institute	Various	

John W. Bartlett

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<u>Date</u>	<u>Tour Guests</u>	<u>Escorts</u>
G. <u>TOURS (P)</u> (continued)		
Tuesday, June 25	TENTATIVE Minnesota Public Service Dept.	TBD
Tuesday, June 25	Korean Atomic Energy Research Institute	TBD
Wednesday, July 17	University of Georgia	T. Buono TENTATIVE
Friday, July 19	Public Open House	Various Escorts
Saturday, September 21	Public Open House	Various Escorts



Carl P. Gertz
Project Manager

YMP:DLH-4165

CC:

H. H. Brandt, HQ (RW-13) FORS
 J. C. Bresee, HQ (RW-10) FORS
 S. J. Brocoum, HQ (RW-22) FORS
 B. A. Cerny, HQ (RW-14) FORS
 M. A. Ferguson, HQ (RW-5) FORS
 Stephanie Hannah, HQ (PA-3) FORS
 T. H. Isaacs, HQ (RW-4) FORS
 G. P. King, HQ (RW-5) FORS
 R. A. Milner, HQ (RW-40) FORS
 F. G. Peters, HQ (RW-2) FORS
 Samuel Rousso, HQ (RW-10) FORS
 J. D. Saltzman, HQ (RW-5) FORS
 D. E. Shelor, HQ (RW-30) FORS
 C. M. Smith, HQ (RW-2) FORS
 T. L. Switzer, HQ (RW-221) FORS
 Jeff Roberts, CH, IL
 Marianne Heiskell, ORO
 J. H. Anttonen, BWI, RL, WA
 Ron Pope, ORNL, Oak Ridge, TN
 L. R. Hayes, USGS, Las Vegas, NV
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WBS 1.2.9
QA: N/A

JUN 06 1991

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

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
MAY 31, 1991

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

A. Site Characterization Planning

Exploratory Studies Facility (ESF) Task Force Activities

The Office of Civilian Radioactive Waste Management (OCRWM) Milestone (M/S) P3, OGD submission of Project Change Control Board (PCCB)-approved cost baseline for the Independent Cost Estimate (ICE) review, has been completed as scheduled on May 31, 1991. OCRWM M/S status: (See note)

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

MILESTONE	SCHEDULED DATE	EXPECTED DATE
ROA: Prepare plan for resolution of the U.S. Nuclear Regulatory Commission (NRC) Site Characterization Analysis Design Control Objection.	3/15/91	TBD
H1: Issuance of a public document articulating the ESF Decision Process.	2/91	TBD
H2: Prepare transition plan from current document hierarchy to new document hierarchy Management System Improvement Strategy (MSIS).	3/15/91	TBD

MILESTONE	SCHEDULED DATE	EXPECTED DATE
H4: Letter transmittal to the NRC informing them of implementation of the Design Control Process by OCRWM.	3/31/91	TBD
P4: Submission of PCCB-approved YMP Plan to the Office of Programs and Resources Management for Energy Systems Acquisition Advisory Board review.	5/31/91	TBD

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

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

DELIVERABLE	NORTH AREA (81)	SOUTH AREA (86)
Mock Up	81	47
Computer-aided draft design (CADD)	90	11
Check	78	6
I-D Review	78	-
Quality Assurance (QA) Sign Off	-	-

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

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

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

Site Characterization Plan (SCP) Progress Report (PR)

The initial draft of the PR on Site Characterization: Yucca Mountain, Nevada, October 1990-March 1991, was completed on Friday, May 31, 1991.

SCP Comments

SCP Comment Response technical staff provided technical support and staffed exhibits at Public Update Meetings held in Pahrump; Las Vegas; and Reno, Nevada. Transcripts from the meetings will be evaluated to determine if new issues relative to site characterization have been raised.

An Integration Group Meeting is scheduled to continue response development and response approval for the State of Nevada comment on the SCP. The meeting will be held June 4-6, 1991, at the Yucca Mountain Site Characterization Project Office (YMPO).

SCP Study Plan Status

The NRC has completed its review and found no objections for Study Plan 8.3.1.2.1.2, "Characterization of Runoff and Streamflow," Study Plan 8.3.1.16.1.1, "Characterization of Flood Potential at the Yucca Mountain Site," and Study Plan 8.3.1.17.4.1, "Historical and Current Seismicity."

A comment resolution meeting has been planned for Study Plan 8.3.1.4.2.2 (revision 1), "Characterization of Structural Features within the Site Area," for June 13, 1991, in Denver, Colorado.

The YMPO approval was completed for Study Plan 8.3.1.15.1.3, "Laboratory Determination of the Mechanical Properties of Intact Rock," and Study Plan 8.3.1.5.1.4, "Analysis of the Paleoenvironmental History of the Yucca Mountain Region." These study plans are now being sent to U.S. Department of Energy/Headquarters (DOE/HQ) for transmittal to the NRC.

A revised draft has been received from the author for Study Plan 8.3.1.3.4.2, "Biological Sorption and Transport," and a revised draft is being sent to reviewers for verification.

 STUDY PLAN BREAKDOWN

In Revision After Screening Review.....	1
In YMPO and HQ Review.....	10
Awaiting Comment Resolution Meeting.....	14
Awaiting Author Revision.....	8
In YMPO/HQ Verification Audit.....	3
Verification Complete-Awaiting HQ Sign-off.....	0
Awaiting YMPO Approval.....	1
Approved and Awaiting Transmittal to NRC.....	3
NRC Acceptance Review.....	17
NRC Acceptance.....	7
Total.....	64

Comments on DOE-Approved Study Plans

No new items this week.

Early Site Suitability Evaluation (ESSE)

The ESSE Core Team began the process of integrating the 10 CFR Part 960 guidelines analyses that the Core Team has been assigned to develop. This integration process will produce a package containing the guideline evaluations and a description of the methodology developed by the ESSE Core Team. This package fulfills a milestone in the "T&MSS Implementation Plan for Developing and Implementing a Method for Early Evaluation of Site Suitability," and will be subjected to an external peer review scheduled for the Fall of 1991.

 B. Environmental Programs
Environmental Compliance and Permitting

The Nevada State Engineer has scheduled a prehearing conference on June 13, 1991, to plan for a water appropriation permit public hearing.

Staff supported the public briefings in Fahrump; Reno; and Las Vegas, Nevada. Wendy Dixon presented the status of the environmental program at the briefings.

C. Field Operations

Raytheon Services Nevada submitted the Power Distribution Study for Area 25, Nevada Test Site (NTS), to the YMP Site Manager. The study indicated several areas of concern that require action by YMPO, including the construction of a third 138 KV transmission line from Nevada Power Company by the Fall of 1993; modification of the Canyon Substation to supply YMP at 138 KV with completion scheduled by the summer of 1992; and in several other areas, the correction of power factors at NTS substation loads by the summer of 1992.

The YMP Safety Logo Contest has been concluded, and management has made a decision on the winning design. Further information on this will be forthcoming on the use of the logo in newsletters, pocket handbooks, etc.

The YMP Field Operations staff is preparing for the next YMP Open House and Site Tour which will be held on June 8, 1991, and for the Edison Electric Institute tour on June 11, 1991.

YMPO is in the process of receiving the new vans from the General Services Administration Office. These vans will be utilized in providing transportation for tours, visits, and key staff personnel when commuting to Yucca Mountain.

A tour of the Sample Management Facility (SMF) was conducted for the OCRWM group on May 30, 1991.

Branch Technical Procedure (BTP)-SMF-002 and BTP-SMF-008 were submitted for Quality Management Procedure 06-04 review.

D. Project Planning and Control

The Planning and Control System scope, cost, and schedule data for YMP was submitted to the DOE/HQ ICE group for review.

E. Quality Assurance Implementation

YMPO QA staff conducted a surveillance of Reynolds Electrical & Engineering Co., Inc., May 28-31, 1991. The surveillance was conducted to review Criteria 2, the QA Program, Instructions, Procedures and Drawings, and Document Control.

The Quality Integration Group met May 28-29, 1991, to discuss revisions to the Quality Assurance Requirements Document, Appendix A, with concentrated review of Section 20, Scientific Investigation. The proposed changes will be forwarded to Donald Horton, Director of the Yucca Mountain Quality Assurance Division, by June 7, 1991.

F. Major Oversight Group Meetings

No new items this week.

G. Public Outreach Activities

The Office of Institutional and External Affairs (OIEA) staff conducted follow-up assignments as a result of the YMP Public Update Meetings in Pahrump, Nevada, on May 20, 1991; Las Vegas, Nevada, on May 21, 1991; and Reno, Nevada, on May 23, 1991.

A presentation concerning Native American studies related to YMP was held at the Yucca Mountain Information Office, Las Vegas, Nevada, on May 28, 1991.

OIEA staff continued with procurement activities for a Climax Mine display for the Yucca Mountain Information Office, Las Vegas, Nevada.

One public presentation, one school presentation, and two tours of Yucca Mountain were conducted.

OIEA staff continued planning for the June 8, 1991, public tour of Yucca Mountain and Area 25.

H. Near Term Decision Plan

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

I. Systems Management and Integration

Management System Improvement Strategy

Because YMPO has not yet received MSIS draft products in accordance with the schedule developed by the Office of Systems Compliance, a concern exists about YMP's ability to satisfy related downstream milestones. A slip in the delivery dates of MSIS products could negatively impact the ICE and Energy Systems Acquisition Advisory Board reviews with subsequent delay in the resumption of ESF Title II.

Technical Data Management

A preliminary schedule for development of the Automated Technical Data Tracking (ATDT) has been completed. The ATDT is projected to be available for loading in July 1991. Work continues on the Technical Data Parameter Dictionary and the Technical Data Base

(TDB) Handbook, scheduled for completion in late August 1991. These documents will aid YMP investigators in identifying the data which must be submitted to the project-level data bases and the formats and protocols for submission and retrieval of data.

A locations workshop was held to examine the information on well hole and trench locations for accuracy. There are some discrepancies in coordinate locations maintained by different participants. This group will work to resolve any differences and provide a baseline for all existing and proposed activity locations.

Geographic Information System (GIS)

The GIS component of the TDB has been moved to the Valley Bank complex and is now installed and running on the 10th floor. A demonstration has been scheduled for June 11, 1991. Map products are now available from the system for use within YMP; a catalog of products will be disseminated within YMP by late June 1991.

The Dynamic Graphics three-dimensional modeling system has arrived in-house and is now being loaded with Yucca Mountain data sets. Some problems have been encountered in conversion of Visual Management System files for use on the UNIX workstation; these problems should be resolved in the near future.

II. ANALYSIS & VERIFICATION DIVISION

Participated in the ESF functional analysis activities May 28-31, 1991, in Las Vegas, Nevada.

Review was continued on the NRC Draft Staff Technical Position on Investigations to Identify Fault Displacement and Seismic Hazards at a Geologic Repository. A draft response letter was prepared for internal OGD review on May 31, 1991.

Participated in the second dry run for the Lawrence Livermore National Laboratory (LLNL) presentations at the Engineered Barrier Workshop scheduled for June 18-20, 1991, in Denver, Colorado, and May 30-31, 1991, in San Francisco, California.

Participated in the internal Sandia National Laboratories meeting of OCRWM/YMP and Waste Isolation Pilot Plant performance assessment teams on May 28, 1991, in Albuquerque, New Mexico.

Participated in the meeting between the Defense Programs Office and Idaho National Engineering Laboratory to discuss disposal options for intact U.S. Navy spent fuel on May 30, 1991, in Washington, D.C.

A draft response was prepared to questions from Senator Wallop on the costs to the program of the State of Nevada's actions in refusing to grant permits.

III. SIGNIFICANT ACCOMPLISHMENTS/INFORMATION ITEMS

The Yucca Mountain Engineered Barrier System Concepts (EBS) Workshop will include presentations from both LLNL and organizations outside YMP. Presentations will be given from the Copper Development Association on a copper waste package and from the International Lead Zinc Research Organization on a concept which utilizes lead. Five additional presentations on nonmetallic concepts are expected. Thomas Pigford, from the University of California, Berkeley, California, will lead a discussion on issues regarding the extended life performance of the EBS.

A group of utility executives will be at YMPO June 11-13, 1991, for briefings and tour of Yucca Mountain.

IV. UPCOMING EVENTS CALENDAR

Please note that the usage of "(P)" in the calendar indicates that the event is open to the public.

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
A. <u>DOE/EQ Meetings</u>			
Friday, June 14	Program Management Meeting	Washington, DC	C. Gertz
B. <u>Internal and DOE/NV Meetings</u>			
No meetings this reporting period.			
C. <u>NRC Interactions</u>			
Thursday, May 30	NRC Interactions Scheduling Meeting	Rockville, MD	A. Simmons
D. <u>NWTRB Interactions (P)</u>			
Tuesday- Thursday, June 18-20	NWTRB EBS Workshop	Denver, CO	D. Harrison-Giesler
Tuesday- Thursday, June 25-27	Joint SG&G/HG&G Meeting on Testing Review	Denver, CO	A. Simmons

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NWTRB Interactions (P)</u> (continued)			
Monday- Tuesday, July 15-16	SG&G Panel Meeting on ESF Design Review Update	Arlington, VA	A. Simmons
Tuesday- Thursday, July 16-18	NWTRB Full Board Meeting	Arlington, VA	A. Simmons
RESCHEDULED from June 11 to Tuesday, August 11	WIPP Roundtable Discussion	Albuquerque, NM	A. Simmons
Thursday, August 15	NWTRB T&S Panel Public Hearing	Denver, CO	A. Simmons
Thursday- Friday, September 5-6	SG&G Panel Mtg. on Seismic Risk	Salt Lake Cty, UT	A. Simmons
Wednesday- Thursday, September 18-19	Borehole Sealing and Backfill	Albuquerque, NM	A. Simmons
Wednesday- Thursday, September 18-19	SG&G Panel Mtg. on ESF Design Review	TBD	TBD
Sunday- Tuesday, September 25-27	T&S Panel Meeting	TBD	TBD
Tuesday- Thursday, October 8-10	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons
Tuesday- Wednesday, November 12-13	Site Suitability ESF Design Review	TBD	A. Simmons
E. <u>State and Public Interactions (P)</u>			
Tuesday, May 28	Native American Presentation	Las Vegas, NV	R. Arnold

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
E. <u>State and Public Interactions (P)</u> (continued)			
Wednesday, May 29	Kenny Guinn Junior High	Las Vegas, NV	G. Fasano
Thursday, May 30	OCRWM Fellows' Conference	Las Vegas, NV	C. Gertz
Monday, June 3	ANS Committee for New Construction	Orlando, FL	C. Gertz
Wednesday, June 5	ANS '91 Annual Meeting	Orlando, FL	C. Gertz
Saturday, June 8	Open House Tour	Las Vegas, NV	C. Gertz
Tuesday, June 11	YMCA Summer Youth Camp Group	Las Vegas, NV	E. Harle
Wednesday, June 12	YMCA Summer Youth Camp Group	Las Vegas, NV	E. Harle
Thursday, June 13	YMCA Summer Youth Camp Group	Las Vegas, NV	E. Harle
Thursday, June 13	Sierra Pacific Power Company	Reno, NV	C. Gertz
Friday, June 14	YMCA Summer Youth Camp Group	Las Vegas, NV	E. Harle
Monday, June 17	YMCA Summer Youth Camp Group	Las Vegas, NV	E. Harle
Wednesday, June 19	Las Vegas Exchange Club	Las Vegas, NV	K. Beall
Tuesday, July 9	University of California	Santa Barbara, CA	C. Gertz
F. <u>Exhibits (P)</u>			
Saturday, June 8	Open House	Field Oper. Center	TBD

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
F. <u>Exhibits (P)</u> (continued)			
Friday- Saturday, June 14-15	Founders Day Celebration	Silver Spngs., NV	TBD
Wednesday- Monday, August 14-19	Nevada State Fair	Reno, NV	TBD
TBD	Lincoln County Fair	Panaca, NV	TBD
TBD	Pioche Labor Day Celebration	Pioche, NV	TBD
Thursday- Sunday, September 26-29	Women of the 90's	Las Vegas, NV	TBD
Friday- Sunday, September 27- October 6	Las Vegas Jaycees State Fair	Las Vegas, NV	TBD
G. <u>TOURS (P)</u>			
Thursday, May 30	OCRWM Fellows and GPU Nuclear Corp.	Max Powell/ Susan Jones	
Tuesday, June 4	Wackenhut Services, Inc. - TENTATIVE	TBD	
Saturday, June 8	Public Open House	Various	
Tuesday, June 11	Edison Electric Institute	Various	
Tuesday, June 25	Korean Atomic Energy Research Institute	TBD	
Tuesday, June 25	Minnesota Utility Company	C. Gertz	

John W. Bartlett


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<u>Date</u>	<u>Tour Guests</u>	<u>Escorts</u>
G. <u>TOURS (P)</u> (continued)		
Wednesday, July 17	University of Georgia	Tony Buono TENTATIVE
Friday, July 19	Public Open House	Various
Saturday, September 21	Public Open House	Various

YMP:DLH-4050

for Maxwell Blanchard
for Carl P. Gertz
Project Manager

cc:

H. H. Brandt, HQ (RW-13) FORS
 J. C. Bresee, HQ (RW-10) FORS
 S. J. Brocoum, HQ (RW-22) FORS
 B. A. Cerny, HQ (RW-14) FORS
 M. A. Ferguson, HQ (RW-5) FORS
 Stephanie Hannah, HQ (PA-3) FORS
 T. H. Isaacs, HQ (RW-4) FORS
 G. P. King, HQ (RW-5) FORS
 R. A. Milner, HQ (RW-40) FORS
 F. G. Peters, HQ (RW-2) FORS
 Samuel Rousso, HQ (RW-10) FORS
 J. D. Saltzman, HQ (RW-5) FORS
 D. E. Shelor, HQ (RW-30) FORS
 C. M. Smith, HQ (RW-2) FORS
 T. L. Switzer, HQ (RW-221) FORS
 Jeff Roberts, CH, IL
 Marianne Heiskell, ORO
 J. H. Anttonen, BWI, RL, WA
 Ron Pope, ORNL, Oak Ridge, TN
 L. R. Hayes, USGS, Las Vegas, NV
 P. T. Prestholt, NRC, Las Vegas, NV 
 Robert Jackson, Weston, Washington, DC
 Donald Schweitzer, BNL, Upton, NY
 R. J. Herbst, LANL, Los Alamos, NM
 D. T. Oakley, LANL, Washington, DC
 L. J. Jardine, LLNL, Livermore, CA
 T. E. Blejwas, SNL, 6310, Albuquerque, NM
 R. W. Lynch, SNL, 6300, Albuquerque, NM
 R. L. Bullock, RSN, Las Vegas, NV