



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: 598-6125

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: July 11, 1991
SUBJECT: YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS

Please find enclosed the above-referenced reports for the week of June 21 and June 28, 1991.

There is nothing requiring specific management attention in the reports.

nan

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

9107220296 910711
PDR WASTE
WM-11 PDR

102
WM-11
NH03



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

WBS 1.2.9
QA: N/A

JUN 26 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 21, 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
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.	CANCELED BY OCRWM	
H2: Prepare transition plan from current document hierarchy to new document hierarchy (Manage- ment 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	71
Computer-aided draft design (CADD)	COMPLETE	21
Check	COMPLETE	12
I-D Review	COMPLETE	-
Quality Assurance (QA) Sign Off	COMPLETE	-

*The number of deliverable drawings will increase from 86 to a possible 123. The Testing Plan detail requires additional drawings for better explanation.

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)

An OCRWM review of PR 4 began on June 10, 1991. Comments will be received until July 12, 1991, whereupon OGD will incorporate comments and prepare a concurrence draft for OCRWM and U.S. Department of Energy/Headquarters (DOE/HQ) approval.

SCP Comments

Work continued with review of draft responses for the State of Nevada's September 1989 SCP comment package.

SCP Study Plan Status

STUDY PLAN BREAKDOWN

In Revision After Screening Review.....	1
In YMPO and HQ Review.....	10
Awaiting Comment Resolution Meeting.....	13
Awaiting Author Revision.....	9
In YMPO/HQ Verification Audit.....	3
Verification Complete-Awaiting HQ Sign-off.....	0
Awaiting YMPO Approval.....	0
Approved and Awaiting Transmittal to NRC.....	4
NRC Acceptance Review.....	17
NRC Acceptance.....	7
Total.....	64

Early Site Suitability Evaluation (ESSE)

The ESSE Core Team continued its internal review of guideline evaluations.

The Technical and Management Support Services (T&MSS) Implementation Plan and the OGD Activity Plan, accordingly, are in the process of being revised.

B. Environmental Programs

Environmental Compliance and Permitting

On June 12, 1991, the State of Nevada issued the air quality permit allowing land disturbance at Yucca Mountain. The permit was issued with standard conditions.

On June 12, 1991, a prehearing conference was held with the Nevada State Engineer concerning the water appropriation permit. The public hearing is scheduled for September 24, 1991.

Environmental Field Programs

The Geo-positioning System work instruction has been submitted for internal review. Equipment will be used to rapidly measure location of important resources to improve quality of preactivity surveys and desert tortoise data.

C. Field Operations

The YMP Site Manager has instructed the Master Plan Site Development Committee to proceed with preparing a preliminary draft of the master plan for Area 25, and to have it ready for submission initially to DOE by the end of August 1991. This draft plan would include the following four areas: (1) the existing facilities and infrastructures; (2) the proposed siting for the north and south portal ramps; (3) the proposed block of land for the surface-based testing complex; and (4) the proposed area of land for some common support structures by the proposed Yucca Mountain bypass road.

The YMP Site Manager and staff are vigorously pursuing the finalization of Job Packet 90-1, Midway Valley, for execution in the field. This will include initiating a letter of execution and will require a field operations permit.

On June 19, 1991, the YMP Site Manager escorted an increment of the TRW, Inc., management staff of the Management and Operating contractor on a tour and briefing of Yucca Mountain and other portions of the Nevada Test Site. There will be another tour for 25-30 TRW, Inc., staff members on June 26, 1991.

D. Project Planning and Control

Completed input of participant Planning and Control System performance data (Actual Costs, Latest Revised Estimate) for May 1991. Performance reports were produced and distributed to participants and the Yucca Mountain Site Characterization Project Office (YMPO). Of major significance this period was the production and distribution for the first time of Variance Analysis Reports (VARs). VARs are produced when either participant planning and scheduling (P&S) accounts or YMP Work Breakdown Structure (WBS) elements exceed established thresholds for Cost and Schedule Variances. VARs require a written analysis by either the P&S Account Manager or the YMP WBS Element Manager and will be used to prepare monthly reports.

E. Quality Assurance Implementation

The Science Applications International Corporation/T&MSS Audit 91-06 was conducted during the week of June 17, 1991.

F. Major Oversight Group Meetings

The Engineered Barrier System workshop was hosted by DOE in Denver, Colorado, on June 18-20, 1991. A total of 100 people registered for the workshop. The workshop involved personnel from industry, government, academia, and the private sector. The background session included five presentations, highlighted by keynote opening remarks from Carl Gertz. Thirteen concept presentations were made, and all allocated time set aside for question and answer periods was fully utilized.

F. Public Outreach Activities

Technical presentations were made to the DOE/Nevada Operations Manager's Program Review on June 19, 1991, and to the Technical Project Officers (TPO) on June 21, 1991. A public presentation was made to the Las Vegas Exchange Club on June 19, 1991, and an educational presentation was made to the YMCA Youth Camp participants at the Yucca Mountain Information Office, Las Vegas, Nevada, on June 17, 1991.

Tours of Yucca Mountain were conducted on June 20, 1991, for the Las Vegas City Manager and on June 21, 1991, for the Korean Atomic Energy Research Institute.

The Office of Institutional and External Affairs staff is working on preparation of fact sheets which will accompany the new Climax Mine Spent Fuel Test exhibit. The exhibit is scheduled to open in late July 1991.

G. Systems Management and Integration

Management System Improvement Strategy

YMFO 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 Project 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. A meeting of the Technical Data Working Group on PARATRAC normalization has been scheduled for June 27, 1991. That group will be examining the parameters now in PARATRAC for consistency with the information required by the SCP. The draft requirements document for the development of the Automated Technical Data Tracking System has been completed.

Geographic Information System (GIS)

A tour and briefing of the GIS component of the Technical Data Base was provided to Carl Gertz on June 17, 1991. The following products have been received by EG&G Energy Measurements, Inc., and will be sent to the participants:

1. 1:6,000 scale orthophoto maps of the proposed repository block
2. 1:12,000 scale orthophoto maps of the site area
3. 1:6,000 scale 10 foot interval contour maps of the proposed repository block
4. composite maps of 1 and 3

Geochemistry

Scientists from Lawrence Livermore National Laboratory and Los Alamos National Laboratory participated with the U.S. Geological Survey in a dry-run on June 12-13, 1991, for the Nuclear Waste Technical Review Board (NWTB) Meeting on Hydrologic, Hydrochemical, and Geologic Field Testing, which will be held in Denver, Colorado, on June 25-27, 1991. The topics in geochemistry to be discussed at the NWTB Meeting include tests that will be conducted to determine the geochemistry of saturated and unsaturated zone waters, the influence of repository development on the field testing program, isotopic constraints on transport models based on Cl-36 data, and the role of field tests using reactive tracers to determine the degree of sorption of radionuclides that could occur in the saturated zone.

Performance Assessment

In support of the ESSE, ground-water flow and radionuclide transport calculations were completed for a human-intrusion drilling scenario and for a fast-path ground-water flow scenario (Pacific Northwest Laboratory and Sandia National Laboratories).

In support of the permutation/transmutation evaluations, radionuclide source term calculations are in progress for wastes from aqueous reprocessing of spent fuel.

II. ANALYSIS & VERIFICATION DIVISION (AVD)

Completed verification review of proposed dispositions to comments provided under the Implementing Line Procedure 22.3.1 review procedure for Study Plan:

8.3.1.9.2.2 Water Resource Assessment of Yucca Mountain

Completed verification review of proposed resolutions to OGD/AVD technical comments provided under Administrative Procedure (AP) 1.10Q, review procedure for Study Plan:

8.3.1.17.3.1 Relevant Earthquake Sources

Attended the Advisory Committee on Nuclear Waste Meeting on use of expert judgment and human interference on June 18-19, 1991, in Bethesda, Maryland.

Attended the NRC public meeting on the Apache Leap, Arizona, Tuff Site Field Heater Experiment on June 20, 1991, in Rockville, Maryland.

Resolved concurrence comments on the revised draft of the Mission Plan Amendment on June 20, 1991.

Initiated review of proposed resolutions to OGD/AVD technical comments provided under the AP 1.10Q review procedure for Study Plan:

8.3.1.5.1.2 Paleoclimate Study: Lake, Playa, Marsh Deposits

III. GENERAL INFORMATION ITEMS

The Internal Management Review of the North Area Design Studies received 496 total comments. There were 131 comments that were deferred to Title II. Resolution of 79 comments required no change to documentation. Only 2 of the comments went to the Raytheon TPO for resolution. The remainder of the comments have been resolved and incorporated into the appropriate documents.

The Independent Technical Review of the ESF North Area Design Studies involving external reviewers and observers is in process. The observers include one from NWTRB, five from the NRC, one from the State of Nevada, one from Esmeralda County, and one from Mineral County. All comments have been received and are in the process of resolution.

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>			
Thursday, July 18	Program Management Meeting	Las Vegas, NV	C. Gertz
B. <u>Internal and DOE/NV Meetings</u>			
Wednesday, June 19	NV Managers Program Review	Las Vegas, NV	C. Gertz
Friday, June 21	TPO Meeting	Las Vegas, NV	C. Gertz
Friday, June 21	Planning & Budget Meeting	Las Vegas, NV	C. Gertz
C. <u>NRC Interactions</u>			
Tuesday, July 30	NRC TE on Data Management	TBD	J. Cooper
Wednesday- Thursday, August 7-8	NRC SV on Waste Form: Glass	Savannah River	TBD
Thursday, September 12	NRC Management Mtg. on Procedural Agreements	Washington, DC	T. Bjerstedt
Monday- Tuesday, September 16-17	NRC TE on ESF Design Status	TBD	J. Cooper
Tuesday- Wednesday, October 29-30	NRC TE on Scenario Development & CCDF	TBD	J. Cooper
Tuesday, November 19	NRC Meeting on Regulatory Strategy	Washington, DC	T. Bjerstedt
Wednesday, November 20	NRC Interactions Scheduling Meeting	Washington, DC	J. Cooper

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
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
Thursday, August 15	NWTRB T&S Panel Public Hearing	Denver, CO	A. Simmons
Monday- Tuesday, August 26-27	WIPP Tour and Roundtable Discussion	Albuquerque, NM	A. Simmons
Thursday- Friday, September 5-6	SG&G Panel Mtg. on Seismic Vulnerabilities	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	Seattle, WA TENTATIVE	A. Simmons
Sunday- Tuesday, September 25-27	T&S Panel Meeting	TED	A. Simmons
Tuesday- Thursday, October 8-10	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NWTRB Interactions (P)</u> (continued)			
Tuesday- Wednesday, November 12-13 TENTATIVE	SG&G Panel Mtg. on Test Prioritization, Site Suitability & ESF Design	Dallas, TX	A. Simmons
E. <u>State and Public Interactions (P)</u>			
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
Tuesday, August 13	Americana Group Realtors	Las Vegas, NV	C. Gertz
Tuesday, August 20	Mesquite Club	Las Vegas, NV	J. Younker
Thursday, August 22	Palo Verde Nuclear Power Plant	Wintersburg, AZ	C. Gertz
Monday, September 30	Focus '91 Nuclear Waste Packaging Conference	Las Vegas, NV	C. Gertz
F. <u>Exhibits (P)</u>			
Saturday- Tuesday, July 13-16	Nat'l Association of Counties Annual Mtg.	Salt Lake Cty, UT	K. Rohrer
Friday, July 19	Public Open House	Las Vegas, NV	K. Rohrer
Wednesday- Monday, August 14-19	Nevada State Fair	Reno, NV	K. Rohrer
TBD	Lincoln County Fair	Panaca, NV	K. Rohrer

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
F. <u>Exhibits (P)</u> (continued)			
TBD	Pioche Labor Day Celebration	Pioche, NV	K. Rohrer
Saturday, September 21	Public Open House	Las Vegas, NV	K. Rohrer
Thursday-Sunday, September 26-29	Women of the 90's	Las Vegas, NV	K. Rohrer
Friday-Sunday, September 27-October 6	Las Vegas Jaycees State Fair	Las Vegas, NV	K. Rohrer
G. <u>TOURS (P)</u>			
Thursday, June 20	Bill Noonan, LV City Manager		M. Wadkins
Friday, June 21	Korean Atomic Energy Research Institute		M. Wadkins
Tuesday, June 25	Minnesota Public Utilities Commissioner		M. Wadkins
Tuesday, June 25	Korean Atomic Energy Research Institute		M. Wadkins
Monday, July 15	Mitsubishi Nuclear Fuels		M. Wadkins
Wednesday, July 17	University of Georgia		M. Wadkins
Friday, July 19	Public Open House		M. Wadkins
Wednesday, July 24	Bureau of Land Management		M. Wadkins
Wednesday, July 31	Geochemical Technical Exchange		M. Wadkins

John W. Bartlett

-12-

<u>Date</u>	<u>Tour Guests</u>	<u>YMPO Contact</u>
G. <u>TOURS (P)</u> (continued)		
Saturday, August 24	Laborers/Miners Union	M. Wadkins
Saturday, September 21	Public Open House	M. Wadkins

YMP:DLH-4376

Maxwell Blanchard
 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
 Eric Knox, HQ (RW-5.1) 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
 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
 H. E. Adkins, MACTEC, Las Vegas, NV
 R. E. Lowder, MACTEC, Las Vegas, NV
 R. F. Pritchett, REECO, Las Vegas, NV
 Janet Docka, Weston, Washington, DC



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

WBS 1.2.9
 QA: N/A

JUL 03 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 28, 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
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.	CANCELED BY OCRWM	
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	9/91

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	83
Computer-aided draft design (CADD)	COMPLETE	30
Check I-D Review	COMPLETE	13
Quality Assurance (QA) Sign Off	COMPLETE	-

*The number of deliverable drawings will increase from 86 to a possible 123. The Testing Plan detail requires additional drawings for better explanation.

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)

An OCRWM review of PR 4 began on June 10, 1991. Comments will be received until July 12, 1991, whereupon OGD will incorporate comments and prepare a concurrence draft for OCRWM and U.S. Department of Energy/Headquarters (DOE/HQ) approval.

SCP Comments

Work continued with review of draft responses for the State of Nevada's September 1989 SCP comment package.

SCP Study Plan Status

Revised drafts for Study Plans 8.3.1.3.2.2 (History of Mineralogic Alteration of Yucca Mountain) and 8.3.1.3.7.1 (Retardation Sensitivity Analysis) were received at the Yucca Mountain Site Characterization Project Office (YMPO) for comment verification.

STUDY PLAN BREAKDOWN

In Revision After Screening Review.....	1
In YMPO and HQ Review.....	10
Awaiting Comment Resolution Meeting.....	13
Awaiting Author Revision.....	7
In YMPO/HQ Verification Audit.....	5
Verification Complete-Awaiting HQ Sign-off.....	0
Awaiting YMPO Approval.....	0
Approved and Awaiting Transmittal to NRC.....	4
NRC Acceptance Review.....	17
NRC Acceptance.....	7
Total.....	64

Early Site Suitability Evaluation (ESSE)

The ESSE Core Team completed the group review of the total system guideline evaluation that was begun last week.

The integrated review of the guideline evaluations was conducted on June 25-28, 1991, with attendance of technical monitors from DOE, all core team members or alternates or both, and other observers. The outcome of the integrated review will be in consensus by the core team with the results of each evaluation.

B. Environmental Programs**Environmental Compliance and Permitting**

The staff supported the ESF design review. A presentation was made to the review team that included the State of Nevada, NRC, and DOE/HQ officials describing the environmental program interfaces with the design effort.

Socioeconomics

Revision 0 of the YMP Socioeconomic Plan has been approved and issued.

C. Field Operations

The YMP Site Manager and staff participated in and provided support to several tours of YMP. These included the YMP Open House and Site Tour for the general public on June 8, 1991; the Edison Electrical Institute (EEI) Site Tour on June 11, 1991; the TRW Environmental Safety Systems, Inc. (maintenance and operating contractor) tour on June 19, 1991; and a small group of Korean Nationals on June 21, 1991.

The YMP Site Manager is preparing to officially initiate and authorize Job Package (JP) 91-1 (Midway Valley Trenching) and JP 91-2, Trench 14 (Calcite-Silica), during the following week. Field Operations Permits will be prepared for both activities.

YMPO will authorize the water for dust control in Midway Valley from a source at Death Valley Junction, California. Reynolds Electrical & Engineering Co., Inc., is providing the contract negotiations with the individual. Plans call for water delivery from California to the site beginning on July 1, 1991, and continuing through July 12, 1991.

D. Project Planning and Control

The first written responses to Variance Analysis Reports (VARs) were received from participants and distributed to the appropriate YMPO Project Work Breakdown Structure (FWBS) Element Managers (EMs) for review. These analyses will be used in the preparation of FWBS element VARs by the EMs, and this data will be used in the preparation of reports to DOE/HQ.

An in-depth analysis was completed of participant performance data through May 1991 to determine accuracy of Planning and Control System (PACS) data as provided by participants and the resulting performance reports.

E. Quality Assurance (QA) Implementation

The DOE/NRC Bimonthly QA Meeting was held in Washington, D.C., on June 25, 1991. The Yucca Mountain Quality Assurance Division staff made a presentation briefly summarizing the Quality Concerns Program (QCP) including the procedure for implementation of the program and the video that will be used during OCFWM-wide briefings on the QCP.

As a result of the above mentioned presentation on the OCFWM Quality Concerns Program, NRC Open Item 10-90(d) was closed regarding "Resolution of Allegations Concerning Inadequate Quality."

A surveillance was conducted on Raytheon Services Nevada (RSN) on June 24-26, 1991. The surveillance was conducted to review the following criteria: 1 Organization; 5 Procedures, Plans & Drawings; 16 Corrective Action; and 18 Audits. There were no deficiencies identified.

F. Major Oversight Group Meetings

Three days of Nuclear Waste Technical Review Board (NWTB) meetings on Hydrologic, Hydrochemical, and Geologic Field Testing were held June 25-27, 1991, in Denver, Colorado. Two NWTB panel groups (Hydrogeology and Geochemistry and Structural Geology and Geoen지니어ing) discussed field testing in the unsaturated and saturated zones and rock mechanics.

F. Public Outreach Activities

Tours to Yucca Mountain were conducted on June 25, 1991, for the Minnesota Public Service Department and on June 28, 1991, for Ian Woodward (DOE/HQ), and Peter Eichsteatt, a Santa Fe, New Mexico, reporter. Carl Gertz gave a project overview presentation at the Yucca Mountain Site Characterization Project Information Office, Las Vegas, Nevada, to each tour group prior to departure to Yucca Mountain.

The Office of Institutional and External Affairs staff continues work on final preparations for the Climax Mine Spent Fuel Test exhibit.

G. Systems Management and Integration

Management 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 (OSC). Failure to receive the scheduled draft/approved documents by July 5, 1991, will result in the use of existing Project Controlled Documents for the review of the revised Title I Summary Report and the Energy Systems Acquisition Advisory Board Review.

Technical Data Management

An outline for the Technical Data Bases (TDB) Handbook has been finalized and the introduction written. Input has been solicited from the TDB component data administrators based on the outline. The initial meeting of the Technical Data Working Group on PARATRAC normalization was held on June 27, 1991. The current parameter categories and primary parameters listed in PARATRAC were discussed, and a methodology for normalization was developed. Group members will do first-cut scrubs of the data base, and the group will reconvene to discuss proposed changes in mid-July 1991.

Geographic Information System (GIS)

Work continues on loading and developing the data base.

Geochemistry

Ongoing work continued at Los Alamos National Laboratory, Lawrence Livermore National Laboratory (LLNL), and U.S. Geological Survey.

Performance Assessment

In support of the permutation/transmutation evaluations, PUREX processed waste composition was defined by Pacific Northwest Laboratory for radionuclide source term calculations by the University of California, Berkeley, California.

The Lawrence Berkeley Laboratory (LBL) paper "Modeling Process and Model Validation" has been accepted for publication in the September 1991 issue of the Journal of Ground Water.

The LBL paper "A Summary of Subsurface Hydrological and Hydrochemical Models" was published in the February 1991 issue of Review of Geophysics.

II. ANALYSIS & VERIFICATION DIVISION

Participated in a joint meeting of the NWTRE Structural Geology and Geoengineering and Hydrology and Geochemistry Panels to review hydrology, hydrochemistry, and rock mechanics testing plans, on June 25-27, 1991, in Denver, Colorado.

Attended an Advisory Committee on Nuclear Waste Meeting on June 26, 1991, in San Antonio, Texas, with staff from the Center for Nuclear Waste Regulatory Analysis (CNWRA), Southwest Research Institute, to discuss CNWRA activities.

Participated in a meeting June 24-25, 1991, in Washington, D.C., between OGD and OSC to discuss use of 10 CFR Part 960 in site suitability evaluations and whether or not higher level findings should be made whenever the available data are adequate.

Participated in a meeting on June 26, 1991, at the EEI offices in Washington, D.C., between OCFWM managers and EEI to discuss lessons learned during reactor licensing.

Participated in an ESSE core group meeting on June 25-27, 1991, in Las Vegas, Nevada.

Initiated review of a draft of the Fourth Site Characterization PR. Review comments in the form of text mark-up and inserts due to YMPO by July 12, 1991.

Initiated QA Administrative Procedure, QAAP 3.1, review of the "Physical System Requirements - Exploratory Studies Facility," Revision 0. Comments are due to OSC by July 5, 1991.

III. GENERAL INFORMATION ITEMS

A PACS Steering Committee meeting was held at Sandia National Laboratories to discuss improvements to the Long-Range Plan, and revisions of the PACS Summary Account Status Input Sheet format.

A response was made to the letter from Steven Huff of the Public Utilities Branch, Office of Project and Facilities Management, to provide information with respect to general design criteria, the site development plan, value engineering, and utilities management.

RSN

The Independent Technical Review of the ESF North Area Design Studies involving external reviewers and observers is in process. A total of 328 comments were received; 225 of the comments have been answered and resolved, and the remainder are in the process of resolution and signoff.

John W. Bartlett

-8-

LLNL

Internal LLNL reviews were completed for the Near-Field Environment Report.

The Container Cost Report was completed for the Total System Life Cycle Cost meeting.

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>			
Thursday, July 18	Program Management Meeting	Las Vegas, NV	C. Gertz
B. <u>Internal and DOE/NV Meetings</u>			
No meetings scheduled.			
C. <u>NRC Interactions</u>			
Tuesday, July 30	NRC TE on Data Management	TBD	J. Cooper
Wednesday- Thursday, August 7-8	NRC SV on Waste Form: Glass	Savannah River	J. Cooper
Thursday, September 12	NRC Management Mtg. on Procedural Agreements	Washington, DC	T. Bjerstedt
Monday- Tuesday, September 16-17	NRC TE on ESF Design Status	TBD	J. Cooper
Tuesday- Wednesday, October 29-30	NRC TE on Scenario Development & CCDF	TBD	J. Cooper
Tuesday, November 19	NRC Meeting on Regulatory Strategy	Washington, DC	T. Bjerstedt
Wednesday, November 20	NRC Interactions Scheduling Meeting	Washington, DC	J. Cooper

John W. Bartlett

-9-

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
D. <u>NWTRB Interactions (P)</u>			
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
Thursday, August 15	NWTRB T&S Panel Public Hearing	Denver, CO	A. Simmons
Monday- Tuesday, August 26-27	WIPP Tour and Roundtable Discussion	Albuquerque, NM	A. Simmons
Thursday- Friday, September 5-6	SG&G Panel Mtg. on Seismic Vulnerabilities	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	Seattle, WA TENTATIVE	A. Simmons
Sunday- Tuesday, September 25-27	T&S Panel Meeting	TBD	A. Simmons
Tuesday- Thursday, October 8-10	NWTRB Full Board Meeting	Las Vegas, NV	A. Simmons
Tuesday- Wednesday, November 12-13 TENTATIVE	SG&G Panel Mtg. on Test Prioritization, Site Suitability & ESF Design	Dallas, TX	A. Simmons

John W. Bartlett

-10-

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
E. <u>State and Public Interactions (P)</u>			
Tuesday, July 2	Solar Club	Las Vegas, NV	R. Arnold
Tuesday, July 9	University of California	Santa Barbara, CA	C. Gertz
Tuesday, August 13	Americana Group Realtors	Las Vegas, NV	C. Gertz
Tuesday, August 20	Mesquite Club	Las Vegas, NV	J. Younker
Thursday, August 22	Palo Verde Nuclear Power Plant	Wintersburg, AZ	C. Gertz
Monday, September 30	Focus '91 Nuclear Waste Packaging Conference	Las Vegas, NV	C. Gertz
F. <u>Exhibits (P)</u>			
Saturday- Tuesday, July 13-16	Nat'l Association of Counties Annual Mtg.	Salt Lake Cty, UT	K. Rohrer
Friday, July 19	Public Open House	Las Vegas, NV	K. Rohrer
Friday, July 19	Operating Engineers	Las Vegas, NV	K. Rohrer
Wednesday- Monday, August 14-19	Nevada State Fair	Reno, NV	K. Rohrer
TBD	Lincoln County Fair	Panaca, NV	K. Rohrer
TBD	Pioche Labor Day Celebration	Pioche, NV	K. Rohrer
Saturday, September 21	Public Open House	Las Vegas, NV	K. Rohrer

John W. Bartlett

-11-

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>YMPO Contact</u>
F. <u>Exhibits (P)</u> (continued)			
Thursday- Sunday, September 26-29	Women of the 90's	Las Vegas, NV	K. Rohrer
Friday- Sunday, September 27- October 6	Las Vegas Jaycees State Fair	Las Vegas, NV	K. Rohrer
G. <u>TOURS (P)</u>			
Tuesday, June 25	Minnesota Public Utilities Commissioner		M. Wadkins
Tuesday, June 25	Korean Atomic Energy Research Institute		M. Wadkins
Friday, July 5	National Society of Black Engineers		M. Wadkins
Monday, July 15	Mitsubishi Nuclear Fuels		M. Wadkins
Wednesday, July 17	University of Georgia		J. Stuckless
Friday, July 19	Public Open House		M. Wadkins
Wednesday, July 24	Bureau of Land Management		M. Wadkins
Wednesday, July 31	Geochemical Technical Exchange		M. Wadkins
Saturday, August 24	Laborers/Miners Union		M. Wadkins
Saturday, September 21	Public Open House		M. Wadkins



Carl P. Gertz
Project Manager

YMP:DLH-4503