



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

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TO: John J. Linehan, Director, HLPD
Division of High-Level Waste Management, M/S 4-H-3

FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative

DATE: August 21 10, 1990

SUBJECT: DOE WEEKLY REPORTS

Please find enclosed the above-referenced reports received in this office, i.e., for week ending August 3 and August 10, 1990. There is nothing of any particular significance in these reports.

PTP:nan

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

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Department of Energy

Yucca Mountain Project Office

P. O. Box 98608

Las Vegas, NV 89193-8608

AUG 08 1990

WBS 1.2.9

QA: N/A

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

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING AUGUST 3, 1990

I. Critical Item Status

A. Site Characterization Plan (SCP) Progress Reports

The camera-ready copy of the Yucca Mountain Project Technical Status Report for the period covering October 1989 through March 1990 was submitted to the Office of Scientific and Technical Information in Oakridge, Tennessee, for printing.

Administrative Procedure (AP)-2.4, "Participant Input to the Technical Status Report," is awaiting final approval from the Yucca Mountain Project Office (Project Office).

SCP Comments

An Integration Group meeting was held on July 31-August 1, 1990, to complete draft responses to comments received on the Statutory Draft of the SCP by the California Energy Commission, Edison Electric Institute, the U.S. Environmental Protection Agency, the U.S. Department of the Interior, and the Lincoln County Board of Commissioners.

The Project Office released the March 1989 public hearing response packages on July 30, 1990. Copies were distributed to commentors, State of Nevada agencies, the Nuclear Waste Policy Office, and interested parties.

The process of identifying individual comments received from the State of Nevada's 4-volume comment package has been completed; with 1,917 comments being identified. SCP comments from this package that pertain to the Midway Valley and Quaternary Regional Hydrology (Ca-Si) studies have been identified for expedited treatment.

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Status of SCP comment response packages

COMMENT PACKAGE	STATUS OF RESPONSE PACKAGE (anticipated completion)	NUMBER OF COMMENTS
State of Nevada SCP/CD	Completed	929
NRC Point Papers SCP/CD	Completed	167
USGS Comments SCP/CD	Completed	698
Edision Electric Institute SCP/CD	Completed	5
Reno Public Hearing	Ready For Release	234
Las Vegas Public Hearing	Ready For Release	150
Amargosa Public Hearing	Ready For Release	49
Written Comments Submitted by the Public	95% complete/Ready For Release	Numerous Comments Per Letter
California Energy Commission	9/20/90	38
Lincoln County Board of Commissioners	9/20/90	6
U.S. Environmental Protection Agency	9/20/90	12
Edison Electric Institute	9/20/90	28
U.S. Department of Energy	9/20/90	35
NRC/Site Characterization Analysis	11/10/90	198
State of Nevada Preliminary Letter	9/20/90	58
State of Nevada	3/18/91	1971

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SCP Study Plan Status: August 3, 1990

A screening review was completed for Priority Level 3 Study Plan 8.3.1.17.3.4, "Effects of Local Site Geology on Surface and Subsurface Motion."

A comment resolution meeting was held on Priority Level 2 Study Plan 8.3.1.3.7.1, "Retardation Sensitivity Analysis."

Project Office comments on Priority Level 1 Study Plan 8.3.1.17.4.10, "Geodetic Leveling," were completed and submitted to the author for consideration. U.S. Department of Energy (DOE)/Headquarters (HQ) comments have not been received.

An Interim Change Notice for AP-1.10Q, "Preparation, Review, and Approval of SCP Study Plan," was prepared and submitted for approval. The changes bring the procedure into agreement with the recent DOE/HQ reorganization and other recently approved/revised plans and procedures.

STUDY PLAN BREAKDOWN

<hr/>	
Project Office Acceptance Review. . .	1
Revision.	1
Project Review.	0
Post-Project Office Revision. . . .	0
Parallel Project Office/HQ Review . .	10
HQ Review (Project Office Review	
complete)	3
Awaiting comment resolution	8
Post HQ Revision.	7
Project Office/HQ Audit	10
NRC Acceptance Review	8
Revision	0
NRC Start-Work Review	0
Revision	0
NRC Acceptance	2
 Total	 50

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B. Core Sample Management

Representatives from the Mackay School of Mines examined core from existing Yucca Mountain boreholes.

Members of the Las Vegas Review-Journal were given a tour of the Sample Management Facility on July 27, 1990.

C. Quality Assurance

The integrated Office of Civilian Radioactive Waste Management/Yucca Mountain Project Quality Assurance Requirements Document and the Quality Assurance Program Description were submitted for review to the U.S. Nuclear Regulatory Commission (NRC) on April 13, 1990. Comments were received on June 1, 1990. Comment resolution is in process.

D. Exploratory Shaft Facility (ESF)

Project ESF staff provided support to Sandia National Laboratories in the ESF Alternatives Study. Support was also provided to the Midway Valley Trenching Task Force.

E. Project Planning and Control System (PACS)

The first PACS Performance Reports generated from the PACS data base were produced and distributed to project participants.

F. Environmental Permitting

The project received its Clean Water Act, Section 404, nationwide permit from the U.S. Army Corps of Engineers. This permit will allow the project to place dredged or fill material into the drainages at Yucca Mountain.

Continued work on environmental requirements and quality assurance requirements to implement Midway Valley startwork needs.

G. Nuclear Waste Technical Review Board (NWTIRB) Meetings and Interactions

A dry run for the upcoming Engineered Barrier Systems (EBS) panel meeting was held on July 31-August 1, 1990, in Denver, Colorado.

II. Significant Accomplishments/Information Items

The Yucca Mountain Project Q-List, Quality Activities List, and Project Requirements List were issued as controlled documents.

The monthly Planning and Budget meeting was held on August 2, 1990, in Las Vegas, Nevada.

The monthly Project Manager-Technical Project Officer meeting was held on August 3, 1990, in Las Vegas, Nevada. Presentations were given on the results of G-Tunnel studies, regional climatic modeling, and performance assessment.

Project management attended the July 31, 1990, Interactions Scheduling meeting in Rockville, Maryland. Attendees agreed to reduce the number of meetings and to focus upcoming meetings on the NRC Site Characterization Analysis Scoping Activity.

The Project Manager attended the Program Management Meeting in Washington, D.C., on July 26, 1990.

The Unsaturated Zone Technical Exchange (TE) previously scheduled for August 15-16, 1990, has been rescheduled for August 28-29, 1990. A preliminary draft agenda is being developed.

III. Upcoming Events

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

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
A. <u>Coordinating Group Meetings</u>			
None.			
B. <u>DOE/HQ Meetings</u>			
Thursday, August 23	Program Management Meeting	Washington, DC	C. Gertz, Project Office
Wednesday, September 26	Program Management Meeting	Las Vegas, NV	C. Gertz, Project Office

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
<u>C. Internal Project and DOE/NV meetings</u>			
Thursday, August 2	Planning and Budget Meeting	Las Vegas, NV	C. Gertz, Project Office
Friday, August 3	PM-TPO Meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, September 6 (tentative)	Planning and Budget Meeting	Las Vegas, NV	C. Gertz, Project Office
Friday, September 7 (tentative)	PM-TPO Meeting	Las Vegas, NV	C. Gertz, Project Office
<u>D. State and Public Interactions</u>			
Friday, August 3	Lake Mead Chapter for Health Physics Society	Las Vegas, NV	C. Gertz, Project Office
Wednesday, August 15	Society of American Military Engineers	San Bernadino, CA	C. Gertz, Project Office
Thursday, August 16	Operating Engineers Local #12	Las Vegas, NV	C. Gertz, Project Office
Monday - Wednesday, August 27-29	Columbia University- U.S. School of Mines	New York, NY	C. Gertz, Project Office
Tuesday - Wednesday, August 28-29	NWTRB Engineered Barrier System Panel Tech. Info. Exchange on Waste Pkg. Plan	Pleasanton, CA	M. Cloninger, Project Office
Thursday, August 30	Diabetes Association Meeting	Las Vegas, NV	C. Gertz, Project Office
Wednesday - Friday, October 3-5	Spectrum '90 Nuclear & Hazardous Waste Management Internat'l Topical Meeting	Knoxville, TN	C. Gertz, Project Office

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Participant</u>
<u>D. State and Public Interactions (continued)</u>			
Monday - Friday, November 12-16	American Nuclear Society 1990 Winter Meeting	Washington, DC	C. Gertz, Project Office
<u>E. Yucca Mountain Project Tabletop Exhibit Showings (P)</u>			
Tuesday- Sunday, August 14-19	Nevada State Fair	Reno, NV	M. Powell, Project Office
Thursday- Saturday, August 16-18	Lincoln County Fair	Panaca, NV	M. Powell, Project Office
Friday - Monday, August 31- September 3	Pioche Labor Day Festival	Pioche, NV	M. Powell, Project Office
<u>F. NRC Interactions</u>			
Tuesday - Wednesday, August 28-29	TE on Unsaturated Zone Hydrology and Hydrochemistry Testing	Denver, CO	M. Blanchard, Project Office
August (tentative)	TE on the Design Control Process	Rockville, MD	E. Petrie, Project Office
<u>G. NWIRB Interactions</u>			
Tuesday - Wednesday, August 28-29	EBS Panel Meeting	Pleasanton, CA	M. Cloninger, Project Office



Carl P. Gertz, Project Manager
Yucca Mountain Project Office



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WBS 1.2.9

QA: N/A

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

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING AUGUST 10, 1990

I. CRITICAL ITEM STATUS

A. Site Characterization Planning

Midway Valley Trenching

Revision 0 of the Midway Valley/Calcite-Silica Logic Network and Schedule was signed and baselined on August 8, 1990. Working group meetings to review the status for activities are held on Wednesdays at 8 a.m.

Holmes and Narver, Inc. was issued a letter of authorization to begin work (e.g., procedures, design, site surveys) on prerequisites.

The Test and Evaluation Plan is in final production and is expected to be issued next week.

Site Characterization Plan (SCP) Progress Reports

Administrative Procedure-2.4 (Participant Input to the Yucca Mountain Project Technical Status Report) has been transmitted to project document control for preparation for issue. This procedure will become effective on August 15, 1990.

The manuscript of Technical Status Report II is in the process of being printed. Address lists used for distribution of Progress Report on Site Characterization (PR) are being scrubbed at the Yucca Mountain Project Office (Project Office) to remove duplicate and inactive addresses prior to release of PR #2.

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SCP Comments

An index containing individual comment identifications for the State of Nevada's September 1, 1990, comment package on the SCP were informally distributed at the Integration Group (IG) meeting on July 31-August 1, 1990. Science Applications International Corporation will cross-reference past comments by the State of Nevada on the SCP/Consultation Draft (CD) with their comments on the statutory SCP, and determine the adequacy of U.S. Department of Energy's (DOE) SCP/CD responses to duplicative comments on the statutory document. Another IG meeting has been scheduled for September 11-12, 1990, to close on responses to the Site Characterization Analysis.

STATUS OF SCP COMMENT RESPONSE PACKAGES

<u>COMMENT PACKAGE</u>	<u>STATUS OF RESPONSE PACKAGE</u> (anticipated completion)	<u>NUMBER OF COMMENTS</u>
State of Nevada SCP/CD	Completed	929
NRC Point Papers SCP/CD	Completed	167
USGS Comments SCP/CD	Completed	698
Edison Electric Institute SCP/CD	Completed	5
Reno Public Hearing	Released 8-1-90	234
Las Vegas Public Hearing	Released 8-1-90	150
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Written Comments Submitted by the Public	95% complete/Ready For Release	Numerous Comments Per Letter
California Energy Commission	9/20/90	38
Lincoln County Board of Commissioners	9/20/90	6
U.S. Environmental Protection Agency	9/20/90	12

STATUS OF SCP COMMENT RESPONSE PACKAGES (continued)

<u>COMMENT PACKAGE</u>	<u>STATUS OF RESPONSE PACKAGE (ANTICIPATED COMPLETION)</u>	<u>NUMBER OF COMMENTS</u>
Edison Electric Institute	9/20/90	28
DOE	9/20/90	35
NRC/Site Characterization Analysis	11/10/90	198
State of Nevada Preliminary Letter	9/20/90	58
State of Nevada	3/18/91	1918

SCP Study Plan Status: August 10, 1990

DOE/Headquarters (HQ) comments on Priority Level 1 Study Plan 8.3.1.17.4.10, "Geodetic Leveling," were received and sent to the author for consideration.

A draft of Priority Level 3 Study Plan 8.3.1.17.3.3.2, "Development of Empirical Models for Underground Nuclear Explosions," was received for review.

A comment resolution meeting has been planned for Priority Level 1 Study Plan 8.3.1.2.1.3, "Characterization of Regional Ground-Water System," on August 22-23, 1990, in Washington, D.C.

STUDY PLAN BREAKDOWN

Project Office Acceptance Review.....	2
Revision.....	1
Project Review.....	0
Post-Project Office Revision.....	0
Parallel Project Office/HQ Review.....	10
HQ Review (Project Office Review Complete).....	3
Awaiting Comment Resolution.....	8
Post HQ Revision.....	7
Project Office/HQ Audit.....	10
NRC Acceptance Review.....	8
Revision.....	0
NRC Start-Work Review.....	0
Revision.....	0
NRC Acceptance.....	2
 Total.....	 51

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Exploratory Shaft Facility (ESF) Alternative Studies

Plans for incorporating the "Calico Hills priority access" into the ESF Alternative Studies which provided for inclusion of technical and institutional/management concerns in the decision analysis were completed. The management panel provided their concurrence, subject to verification of compatibility with starting ESF design March 31, 1990.

Surface Base Testing (SBT) Prioritization

No significant SBT items to report this week.

Alternatives to License Application Strategies (ATLAS)

The ATLAS Final Draft Report is now undergoing joint Project Office and Office of Civilian Radioactive Waste Management (OCRWM) review according to a Project Office document review procedure. Comments from OCRWM were originally due into the Project Office by July 31, 1990. The reorganization at OCRWM has stretched this deadline to August 17, 1990. At that time, the impact on the S-1 schedule for delivery of a Final Report (September 1, 1990) will be made to determine the need for a written extension by OCRWM for this milestone.

B. Environmental and Socioeconomic Programs

The Withdrawal Casefile was received by the U.S. Bureau of Land Management/HQ office on August 3, 1990. They expect to start processing the case within approximately one month.

Completed draft of environmental training program.

Completed AP-6.13: Authorization for use of Regulated Hazardous Substances and Materials.

Completed Environmental Requirements draft for the Midway Valley effort.

Completed several pre-activity surveys.

C. Field Operations

Field Operations staff continue to develop field management processes in support of Midway Valley. Analysis is underway to determine the "hard" prerequisites.

Preliminary flow-charts were prepared for AP 5.16Q (Field Inspections).

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C. Field Operations (continued)

A progress meeting was held on the Yucca Mountain Project Health and Safety Plan. Completion is expected before October 30, 1990.

A meeting was held to discuss the change request for WBS 1.2.7 revisions.

D. Project Planning and Control

Technical and Management Support Services (T&MSS) Scheduling staff are working on site this week with the U.S. Geological Survey and Sandia National Laboratories staff to update the Long Range Plan/Improved Performance System.

E. Quality Assurance Implementation

The integrated OCRWM/Yucca Mountain Project Quality Assurance Requirements Document and the Quality Assurance Program Description were submitted for review to the U.S. Nuclear Regulatory Commission (NRC) on April 13, 1990. Comments were received on June 1, 1990. Comment resolution is in process.

F. Major Oversight Group Meetings

An official summary of the July 24-25, 1990, Nuclear Waste Technical Review Board (NWTB) meeting in Atlanta, Georgia, was completed.

Production of viewgraphs and other meeting materials for the August 28-29, 1990, NWTB Engineered Barrier System briefing began.

A dry run for the NWTB Containers and Waste Package Subgroup meeting was held in Denver, Colorado.

G. Public Outreach Activities

Project staff met with General Accounting Office staff to discuss the Yucca Mountain Project public outreach effort.

Project institutional staff attended a Nuclear Waste Task Force meeting in Reno, Nevada, on August 11, 1990, at the invitation of Citizen Alert.

Project institutional staff finalized arrangements and attended a media training seminar for Project Office and T&MSS staff on August 10, 1990.

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H. Washington, D.C., Activities

Met with staff from the General Accounting Office to discuss the surface-based testing prioritization activities.

Began preparing a presentation entitled "Reducing ground-water flow model uncertainties at Yucca Mountain" for the International Conference on Calibration and Reliability in Ground Water Modeling, to be held in The Hague, The Netherlands, September 3-6, 1990.

Prepared the punch list of quality assurance (QA) items recommended for corrective action prior to the October 1990 audit. Also prepared a proposed QA position paper.

Initiated a review of the NRC Staff Position Paper 60-001, "Clarification of the 300-1000 Year period for Substantially Complete Containment of High-Level Wastes with the Waste Packages Under 10 CFR 60.113(a)(1)(ii)(A)."

II. SIGNIFICANT ACCOMPLISHMENTS/INFORMATION ITEMS

The T&MSS resident integrator at DOE/HQ has started work. Alan Jackson met with Project Office Las Vegas, Nevada, and Washington, D.C., staff this week. Office space near the Forrestal building is in the process of being acquired.

The Senior Management on the project attended a Total Quality Management Seminar organized by Mac Technical Services Company on Tuesday, August 7, 1990, to understand more about the Total Quality Management process.

III. 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>Participant</u>
A. <u>HQ Meetings</u>			
Thursday, August 30	Program Management Meeting	Washington, DC	C. Gertz, Project Office
Wednesday, September 26	Program Management Meeting	Las Vegas, NV	C. Gertz, Project Office

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B. Internal Project and DOE/NV meetings

Thursday, September 6 (tentative)	Planning and Budget Meeting	Las Vegas, NV	C. Gertz, Project Office
Friday, September 7 (tentative)	PM-TPO Meeting	Las Vegas, NV	C. Gertz, Project Office

C. State and Public Interactions

Wednesday, August 15	Society of American Military Engineers	San Bernadino, CA	C. Gertz, Project Office
Thursday, August 16	Operating Engineers Local #12	Las Vegas, NV	C. Gertz, Project Office
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Thursday, August 30	Diabetes Association Meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, September 13	Public Education Program	Las Vegas, NV	A. Robison, Project Office
Tuesday, October 2	Spectrum '90 Nuclear & Hazardous Waste Management Internat'l Topical Meeting	Knoxville, TN	C. Gertz, Project Office
Monday - Friday, November 12-16	American Nuclear Society 1990 Winter Meeting	Washington, DC	C. Gertz, Project Office

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D. Yucca Mountain Project Tabletop Exhibit Showings (P)

Tuesday-Sunday, August 14-19	Nevada State Fair	Reno, NV	M. Powell, Project Office
Thursday-Saturday, August 16-18	Lincoln County Fair	Panaca, NV	M. Powell, Project Office
Friday - Monday, August 31- September 3	Pioche Labor Day Festival	Pioche, NV	M. Powell, Project Office

E. NRC Interactions

Tuesday, August 14	NRC Meeting on Regulatory Strategy	Rockville, MD	M. Blanchard, Project Office
Tuesday - Wednesday, August 28-29	TE on Unsaturated Zone Hydrology and Hydrochemistry Testing	Denver, CO	M. Blanchard, Project Office
August (tentative)	TE on the Design Control Process	Rockville, MD	E. Petrie, Project Office
Thursday, September 13	NRC TE on Radio- nuclide Retardation & Modeling	Los Alamos, NM	M. Blanchard, Project Office

F. NWIRB Interactions

Tuesday - Wednesday, August 28-29	EBS Panel Meeting	Pleasanton, CA	M. Cloninger, Project Office
Tuesday - Wednesday, September 11-12	Radionuclide Absorption Workshop	Los Alamos, NM	M. Blanchard, Project Office


Carl P. Gertz, Project Manager
Yucca Mountain Project Office