



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: March 20, 1990

SUBJECT: DOE WEEKLY REPORT (2)

Please find enclosed the above-referenced reports received in this office, i.e., for weeks ending February 23, 1990, and March 9, 1990. (The March 2 report was sent earlier).

There is nothing of any particular significance in these reports other than the notations I made.

PTP:nan

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

Nevada Operations Office
P. O. Box 98518
Las Vegas, NV 89193-8518

MAR 13 1990

Lake H. Barrett, Acting Associate Director, Facilities Siting and Development,
HQ (FW-20) FORS

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING MARCH 9, 1990

I. Critical Item Status

A. Site Characterization Plan (SCP) Progress Reports

The Office of Scientific and Technical Information, Oak Ridge, Tennessee, has completed the advance distribution of the Yucca Mountain Project Technical Status Report (TSR). The printed TSR is a combination of the first and second TSRs and was distributed to the Project Manager, the Technical Project Officers (TPOs), and their technical staff. Delivery should be completed by late March 1990.

Final concurrence was received on the Site Characterization Progress Report (PR) from the Secretary of Energy. The PR, now in production, will be forwarded to the Yucca Mountain Project Office (Project Office) for near-term internal distribution and public interactions.

Administrative Procedure 2.4, "Participant Input to the Technical Status Report on Site Characterization," Revision 0, is undergoing Project Office review.

SCP Comments

The response packages for comments made at the public hearings were forwarded to the U.S. Department of Energy/Headquarters (DOE/HQ) for review and approval. Upon completion of the review and incorporation of additional comments, the response packages will be distributed. Distribution is scheduled for completion in March 1990.

The site characterization analysis (SCA) scoping process is nearing completion. A guidance package for the TPO's regarding the response process to the SCA is being prepared.

SCP Study Plan Status: March 9, 1990

A draft of Study Plan 8.3.1.2.1.3, "Characterization of the Yucca Mountain Regional Ground-Water Flow System," was submitted for Project Office review.

Comment Response Forms were sent out for the verification of Study Plans 8.3.1.17.4.6, "Quaternary Faulting within the Site Area," and 8.3.1.15.1.2, "Laboratory Thermal Expansion Testing."

STUDY PLAN BREAKDOWN

Project Office Acceptance Review. . .	1
Revision.	1
Project Review.	2
Post-Project Office Revision. . . .	0
Parallel Project Office/HQ Review . .	0
HQ Review (Project Office Review complete)	10
Awaiting comment resolution	3
Post HQ Revision.	5
Project Office/HQ Audit	7
NRC Acceptance Review	6
Revision	0
NRC Start-Work Review	0
Revision	0
NRC Acceptance	2
Total	37

B. Core Sample Management

A tour of the Sample Management Facility (SMF) was given to the Acting Associate Director, DOE/HQ Facilities Siting and Development.

SMF staff attended a meeting with representatives from the Project Office, the U.S. Nuclear Regulatory Commission (NRC), and Technical and Management Support Services (T&MSS) to discuss the qualification of geophysical logs and core.

(Prestholt & Gilray)

MAR 13 1990

C. Quality Assurance (QA)

The T&MSS contractor has been recognized as having specific technical responsibilities as a project participant and is developing quality assurance plans and procedures.

D. Exploratory Shaft Facility (ESF)

A letter has been drafted to the Project Office that will authorize Los Alamos National Laboratory to develop a tracer study for the development of exploratory shaft design input.

10 CFR, Part 60, Subpart G (e.g., QA Level 1) work on requirements identification for the ESF Alternative Strategy task was completed. Requirements packages were transmitted to Sandia National Laboratories for review.

Distribution of the ESF Subsystems Design Requirements Document for Title II, Revision 1, was initiated this week.

E. Long Range Planning (LRP) and Project Planning and Control System (PACS)

The LRP Schedule Update cleanup activities continue as scheduled.

Project staff prepared and presented a demonstration of the PACS system and its capabilities to the Acting Director of the DOE/HQ Facilities Siting and Development on March 6, 1990.

F. Environmental Permitting

The draft Floodplain Assessment was completed and submitted to DOE/HQ for review and approval on March 5, 1990.

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

No significant interactions to report.

II. Significant Accomplishments/Information Items

The monthly project budget planning meeting with the TPO's was held on March 8, 1990, in Las Vegas, Nevada. The next meeting has been tentatively scheduled for April 4, 1990.

The monthly TPO meeting was held on March 9, 1990, in Las Vegas, Nevada. The meeting included presentations on performance assessment and salic volcanism in the Southwestern Great Basin. A representative from EG&G gave a presentation on the Desert Tortoise Biological Opinion and what it means to the project. The next TPO meeting has been tentatively scheduled for April 5, 1990.

The draft Regulatory Compliance Plan was submitted for informal Project Office review. The Project Office reviewed and approved the Technical Support Documentation Management Plan (TSDMP). The TSDMP is being prepared for issuance and controlled distribution.

Preliminary arrangements were made for the upcoming Yucca Mountain Project Public Update meetings. The meetings are scheduled for March 29, April 2, and April 3, 1990, in Fallon, Tonopah, and North Las Vegas, Nevada, respectively.

A Project Office representative gave a general informational presentation to the Korean Atomic Energy Research Institute on March 9, 1990, in Las Vegas, Nevada.

Preparations continued for the March 19-20, 1990, meeting with the NWTRB Risk and Performance Assessment and Structural Geology and Geoengineering Joint Review Panels. A dry run was held on March 1-2, 1990. As a result, viewgraphs and presentation materials are being revised for presentation at a second dry run scheduled for March 12-13, 1990.

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>HQ Meetings</u>			
Tuesday, March 13	Program Management meeting	Las Vegas, NV	C. Gertz, Project Office
Wednesday, March 14	Project Review meeting	Las Vegas, NV	C. Gertz, Project Office

B. HQ Meetings (continued)

Thursday, March 22	DOE Transportation Round Table	Washington, DC	K. Grassmeier, Project Office
Thursday, April 26	Program Management meeting	Washington, DC	C. Gertz, Project Office
Thursday, May 24	Program Management meeting	Washington, DC	C. Gertz, Project Office
Thursday, June 21	Program Management meeting	Las Vegas, NV	C. Gertz, Project Office

C. Internal Project and DOE/Nevada Operations Office meetings

Wednesday, April 4 (tentative)	Monthly Planning and Budget meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, April 5 (tentative)	Technical Project Officer meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, April 19	"Science Now"	Las Vegas, NV	C. Gertz, Project Office

D. State and Public Interactions

Wednesday, March 14	American Institute of Hydrology Annual Meeting (P)	Las Vegas, NV	C. Gertz, Project Office
Wednesday, March 21	Rochester Museum and Science Center Distinguished Scholars Lecture Series (P)	Rochester, NY	C. Gertz, Project Office
Friday, March 23	Department of Nuclear Engineering, University of Michigan	Ann Arbor, MI	C. Gertz, Project Office
Tuesday, March 27	Nuclear Fuel Cycle Conference	Nashville, NV	C. Gertz, Project Office

D. State and Public Interactions (continued)

Thursday, March 29	Public Update Meeting (P)	Fallon, NV	A. Robison, Project Office
Monday, April 2	Public Update Meeting (P)	Tonopah, NV	A. Robison, Project Office
Tuesday, April 3	Public Update Meeting (P)	N. Las Vegas, NV	A. Robison, Project Office
Wednesday, April 25	Presentation to Info '90 sponsored by the Council for Energy Awareness (P)	Dallas, TX	C. Gertz, Project Office
Tuesday- Friday, June 12-15	International Sympo- sium on Unique Under- ground Structures (P)	Golden, CO	C. Gertz, Project Office

E. Yucca Mountain Project Tabletop Exhibit Showings (P)

No tabletop exhibit showings are scheduled.

F. NRC Interactions

Tuesday, March 20	Interactions scheduling meeting	Rockville, MD	D. Dobson, Project Office
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G. Other

Monday- Tuesday, March 19-20	NWTRB Risk and Performance Assess- ment and Structural Geology and Geoen- gineering Joint Review Panels	Denver, CO	D. Dobson, M. Cloninger, Project Office
Friday, April 6	NWTRB field trip to NTS (G-Tunnel and N-Tunnel)	Mercury, NV	D. Dobson, Project Office

G. Other (continued)

Saturday,
April 7

NWTRB TE on Status
of ESF Alternatives
with Structural
Geology and Geoengi-
neering Panel

Las Vegas,
NV

D. Dobson,
Project
Office

Thursday,
April 12
(tentative)

NWTRB Subpanel on
Structural Geology
and Seismic Hazards

Las Vegas,
NV

D. Dobson,
Project
Office



Carl P. Gertz, Project Manager
Yucca Mountain Project Office

YMP:DLH-3809



Department of Energy

Nevada Operations Office
P. O. Box 98518
Las Vegas, NV 89193-8518
FEB 26 1990

WBS #1.2.9.1
QA: N/A

Lake H. Barrett, Acting Associate Director, Facilities Siting and Development,
HQ (RW-20) FORS

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING FEBRUARY 23, 1990

I. Critical Item Status

A. Site Characterization Plan (SCP) Progress Reports

The Yucca Mountain Project Technical Status Report (TSR) has been printed and will be distributed at the same time as the semiannual progress report. Initial distribution of the TSR will be to the Yucca Mountain Project Office (Project Office) and to the participant Technical Project Officers. The report is scheduled for release to the public on March 15, 1990.

Development of the guidance package to aid project participants in their preparations for the next TSR continued. The guidance package will be distributed on February 28, 1990.

Administrative Procedure 2.4 which outlines guidance for participant input to the semiannual progress report on the site characterization program has been submitted to the Project Office for review and approval.

SCP Comments

*This document (2.4) sent to King
3-9-90*

Response packages for socioeconomic, environmental, transportation, institutional, and site related comments are undergoing final comment resolution. The completed comment response package will be forwarded to the U.S. Department of Energy/Headquarters (DOE/HQ) for review and approval. The finalized response packages should be ready for distribution in early March 1990.

A request was transmitted this week to initiate the response process for other comments received on the SCP from the U.S. Environmental Protection Agency, DOE, Edison Electric Institute, California Energy Commission, and Lincoln County, Nevada.

SCP Study Plan Status: February 23, 1990

A revision of Study Plan 8.3.1.8.5.1, "Characterization of Volcanic Features," was received from Los Alamos National Laboratory. The revised study plan addresses comments made by DOE/HQ. A copy of the plan was sent to DOE/HQ for final comment verification and approval.

A comment resolution meeting for Study Plans 8.3.1.3.3.2, "Kinetics and Thermodynamics of Mineral Evolution," and 8.3.1.3.3.3, "Conceptual Model of Mineral Evolution," is scheduled for March 14 and 15, 1990. The comment resolution meeting for Study Plan 8.3.1.2.1.2, "Characterization of Runoff and Streamflow," is scheduled for February 27-28, 1990, in Las Vegas, Nevada.

A revised draft of Study Plan 8.3.1.2.2.3, "Characterization of Percolation in the Unsaturated Zone - Surface Based Study," has been received. The draft incorporates resolutions to comments that were agreed upon at the comment resolution meeting. Verification of the resolved comments will begin as soon as the completed Comment Resolution Forms are received from the author.

STUDY PLAN BREAKDOWN

Project Office Acceptance Review. . .	0
Revision.	1
Project Review.	2
Post-Project Office Revision. . . .	0
Parallel Project Office/HQ Review . .	0
HQ Review (Project Office Review	
complete)	10
Awaiting comment resolution	4
Post HQ Revision.	6
Project Office/HQ Audit	5
NRC Acceptance Review	6
Revision	0
NRC Start-Work Review	0
Revision	0
NRC Acceptance	2
Total	36

B. Core Sample Management

Sample Management Facility staff began the field verification of proposed borehole locations.

C. Quality Assurance (QA)

Project surveillance YMP-SR-90-020 was conducted at the Reynolds Electrical & Engineering Co., Inc. (REECO) facility on February 12-14, 1990. The surveillance results indicated adequate implementation of applicable procedures in the REECO organization, QA program and records, corrective actions, and audits. The surveillance resulted in one standard deficiency report and one observation.

D. Exploratory Shaft Facility (ESF)

Project ESF staff attended the monthly status meeting on the alternate study.

Staff attended a field trip to the Robbins/Seattle facility to discuss technical features of the tunnel boring machine and general criteria required for detail design and fabrication.

The annotated outline for the Surface-Based Testing Facilities Plan has been submitted for Project Office approval.

E. Long Range Planning (LRP) and Project Planning and Control System (PACS)

The draft implementation plan for interfacing the detail schedule activities within the PACS was completed this week.

The LRP Schedule Update cleanup activities continue as scheduled. Completion of the LRP Phase 1 effort is scheduled for March 30, 1990.

F. Environmental Permitting

The Annual Report required by the Programmatic Agreement on Historic Preservation was delivered to the DOE/HQ this week. The report incorporated comments received from the DOE/HQ and will subsequently be transmitted to the Advisory Council on Historic Preservation.

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

The draft agenda for the upcoming technical exchange (TE) with the NWTRB on seismic hazards was completed. The draft was transmitted to the Project Office and to the DOE/HQ for review and comment. The TE is scheduled for April 12, 1990.

II. Significant Accomplishments/Information Items

Preliminary arrangements were made for the upcoming Yucca Mountain Project Public Update meetings. The meetings are scheduled for March 29, April 2, and April 3, 1990, in Fallon, Tonopah, and North Las Vegas, Nevada, respectively.

Work continued to complete the Regulatory Compliance Plan (RCP). The draft RCP will be submitted to the Project Office for a core group review and comment cycle on March 15, 1990.

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>HQ Meetings</u>			
Tuesday, March 13	Program Management meeting	Las Vegas, NV	C. Gertz, Project Office
Wednesday, March 14	Project Review meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, March 22	DOE Transportation Roundtable	Washington, DC	K. Grassmeier, Project Office
Thursday, April 26	Program Management meeting	Washington, DC	C. Gertz, Project Office

C. Internal Project and DOE/Nevada Operations Office (NV) meetings

Thursday, March 8	Monthly Planning and Budget meeting	Las Vegas, NV	C. Gertz, Project Office
Friday, March 9	Technical Project Officer meeting	Las Vegas, NV	C. Gertz, Project Office
Thursday, April 19	"Science Now"	Las Vegas, NV	C. Gertz, Project Office

D. State and Public Interactions

Saturday- Thursday, February 24- March 1	Waste Management '90 (P)	Tucson, AZ	C. Gertz, Project Office
Wednesday, March 14	American Institute of Hydrology Annual Meeting (P)	Las Vegas, NV	C. Gertz, Project Office
Wednesday, March 21	Rochester Museum and Science Center Distinguished Scholars Lecture Series (P)	Rochester, NY	C. Gertz, Project Office
Friday, March 23	Department of Nuclear Engineering, University of Michigan	Ann Arbor, MI	C. Gertz, Project Office
Tuesday, March 27	Nuclear Fuel Cycle Conference	Nashville, NV	C. Gertz, Project Office
Thursday, March 29	Public Update Meeting (P)	Fallon, NV	A. Robison, Project Office
Monday, April 2	Public Update Meeting (P)	Tonopah, NV	A. Robison, Project Office
Tuesday, April 3	Public Update Meeting (P)	N. Las Vegas, NV	A. Robison, Project Office

D. State and Public Interactions (continued)

Wednesday, April 25	Presentation to Info '90 sponsored by the Council for Energy Awareness (P)	Dallas, TX	C. Gertz, Project Office
Tuesday- Friday, June 12-15	International Sympo- sium on Unique Under- ground Structures (P)	Golden, CO	C. Gertz, Project Office

E. Yucca Mountain Project Tabletop Exhibit Showings (P)

No tabletop exhibit showings are scheduled.

F. U.S. Nuclear Regulatory Commission Interactions

Tuesday- Wednesday, March 6-7	TE on ESF Geophysical Anomaly TAR	Rockville, MD	D. Dobson, Project Office
Tuesday, March 20	Interactions scheduling meeting	Rockville, MD	D. Dobson, Project Office

G. Other

Monday- Tuesday, March 19-20	NWTRB Risk and Performance Assess- ment and Structural Geology and Geoen- gineering Joint Review Panels	TBD	D. Dobson, M. Cloninger, Project Office
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Carl P. Gertz, Project Manager
Yucca Mountain Project Office

YMP:DLH-2145