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

Reply to:
1050 East Flamingo Road
Suite 319
Las Vegas, Nevada 89119
Tel: (702) 388-6125
FTS: 598-6125

TO: John J. Linehan, Acting Chief, HLOB, M/S 4-H-3

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

DATE: August 31, 1988

SUBJECT: DOE WEEKLY REPORT-(2)

Please find enclosed the above-referenced reports received in this office, i.e., for weeks ending August 19 and 26, 1988. There is nothing special to note.

PTP:nan
Enclosure
cc: King Stablein w/enc.

8809090221 880831
PDR WASTE
WM-11 PDC

102
WM-11
NH03 1/1

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

WBS 1.2.9
"QA: N/A"

AUG 26 1988

NN1.880826.0045

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

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING AUGUST 19, 1988

Probably 26th?

I. Critical Items Status

A. Site Characterization Plan (SCP)

Revisions to Section 8.2 were completed this week to insure consistency with changes to other parts of the SCP. A revised draft of the Site Program Overview, Section 8.3.1.1 was reviewed by the Inspector General this week and forwarded to U.S. Department of Energy/Headquarters (DOE/HQ). A workshop to compile a consolidated draft of Section 8.4 is scheduled for next week in Las Vegas. This draft will then be distributed for DOE/HQ review.

Comment Resolution workshops with DOE/HQ reviewers continued this week in Las Vegas. Workshops for SCP Chapter 3 and Sections 8.3.5.8, 8.3.5.13, 8.3.5.14, 8.3.5.15, and 8.3.5.17 started Tuesday. Workshops for Sections 8.3.1.6, 8.3.1.12, 8.3.1.13, 8.3.5.1-8.3.5.5, and 8.3.5.12, started Wednesday. Workshops for Sections 8.3.1.2, 8.3.1.16, 8.3.5.9, 8.3.5.10, 8.3.5.16, 8.3.5.19, and 8.3.5.20, started Thursday. The Workshop for Section 8.3.1.4 was held Friday.

The Technical Analysis Branch continued supporting development of position-paper outlines for Erosion and Dissolution. Work also continued on development of guidelines for position-paper development.

Production of the Statutory SCP continued this week as text mark-ups from previous workshops were put into the production cycle. Final clean-up of the Tables for Chapter 8 converted from IT*OS to WPS+ continued this week.

Thirteen draft Study Plans are currently in review. Project review of Study Plan 8.3.1.2.2.3, Characterization of the Yucca Mountain Unsaturated Zone Percolation, Surface-based Studies, was initiated this week and it was also forwarded to DOE/HQ for their review. One Study Plan is undergoing revision by the participant; six Study Plans have been submitted to DOE/HQ for review; and three Study Plans have been submitted to DOE/HQ for approval. Two Study Plans are in

review at the U.S. Nuclear Regulatory Commission (NRC): (1) Excavation Investigations, Study 8.3.1.15.1.5; and, (2) Water Movement Tracer Tests Using Chloride and Chlorine-36 Measurements of Percolation at Yucca Mountain, Study 8.3.1.2.2.2.

DOE/HQ reviews of the most recent Study Plans as well as reviews of all future Study Plans will be on hold until procedures for Study Plan review are finalized.

The present status of Study Plans is as follows:

Quality Check	0
Project Review	0
Participant Revisions	1
Parallel PO & DOE/HQ Review	1
DOE/HQ Review Pending	3
DOE/HQ Review	3
Comment Resolution Check	0
DOE/HQ Approval Pending	3
NRC Review	2
Total	13

B. Core Sample Management

The inventory of samples in the U.S. Geological Survey (USGS) Core Library is continuing. The totals as of August 22 consist of 96 boreholes with 65 boxes of cuttings, 240 pieces of core sealed in PVC pipe, 2,576 boxes of core, 90 waxed samples of core, and 54 boxes miscellaneous samples.

C. Quality Assurance (QA)

QA staff participated in the disposition of three standard deficiency reports (SDRs) written against the USGS as a result of Yucca Mountain Project Office (Project Office) Audit 88-3 for software procedure violations. The USGS agreed to accept the audit findings and make the recommended corrective actions.

The Surveillance Branch has closed and transmitted to the Project Office (for distribution to the affected participants) the following SDRs: SDR-103, Revision 1, and SDR-107, Revision 0, for Sandia National Laboratories (SNL); SDR-111, Revision 0, and SDR-116, Revision 0, for Fenix & Scisson (F&S).

QA staff completed a review of QA and regulatory requirements applicable to the evaluation of alternatives to major design features that contribute to waste isolation. This effort was necessary to

provide counsel to a Project Office task force responsible for recommending an approach to select either the horizontal or vertical mode of waste emplacement in the repository.

II. Significant Accomplishments/Information Items

The Edison Electric Institute Utility Nuclear Waste Management Group (UNWMG) made their fifth-round regional visit to the Project Office. On Tuesday the Project Office gave a presentation to the UNWMG that included a Project Manager's update given by C. Gertz, and a Project Management Overview given by Wendy Dixon. On Wednesday workshops were formed to discuss specific aspects of the project.

A transportation briefing was given to personnel at the DOE/HQ in Washington, D.C., on Wednesday.

On Thursday, Carl Gertz, Project Manager, Project Office escorted the Nevada Legislative Committee on High-Level Radioactive Waste on a tour of the Idaho National Engineering Laboratory Transportation Studies. The Project Manager also gave a presentation on Friday to the Southern Nevada Chapter of the Retired Officers Association.

III. Upcoming Events

A. Coordinating Group Meetings

None to report.

B. HQ Meetings

None to report.

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

Date	Event	Location	Contact
Thursday-Friday September 1-2	Comment Resolution Meeting Study Plan 8.3.1.2.3.1.7	Las Vegas, NV	D. Dobson, Project Office
Tuesday, September 6	ESF-ICWG	Las Vegas, NV	L. Skousen, Project Office

Wednesday-Thursday, September 7-8	Project Managers-Technical Project Officers meeting	Las Vegas, NV	J. Fiore, SAIC
Wednesday, September 7	Sample Overview Committee meeting	Las Vegas, NV	U. Clanton, Project Office
Thursday, September 8	Project Manager meets with candidate for the House of Representatives, 2nd District, NV	Las Vegas, NV	V. Davis, Project Office
Thursday, September 8	Exploratory Shaft Facility Design	Las Vegas, NV	L. Skousen Project Office
Friday, September 9	Comment Resolution Meeting, SCP Section 8.6	Las Vegas, NV	U. Clanton, Project Office
Wednesday-Friday, September 14-16	Comment Resolution Meeting SCP Section 8.4	Las Vegas, NV	U. Clanton, Project Office
Tuesday, September 20	Comment Resolution Meeting, SCP Section 8.5	Las Vegas, NV	U. Clanton Project Office
Tuesday, September 20	DOE/NV Managers meeting	Las Vegas, NV	V. Davis, Project Office

D. State and Public Interaction

Tuesday, September 6	Tour of Climax by Swiss citizens	NTS	R. Levich, Project Office
Thursday, September 8	Project Manager gives presentation to West Charleston Lions Club	Las Vegas, NV	V. Davis, Project Office
Friday September 9	Tour of Climax by Japanese citizen	NTS	R. Levich, Project Office

E. U.S. Nuclear Regulatory Commission Interaction

Tuesday, September 20	Project Manager gives tour of test site to NRC Commissioner Carr	Las Vegas, NV	V. Davis, Project Office

F. Other

None to report.

for Carl P. Gertz, Project Manager
Yucca Mountain Project Office

YMP:SAC-3461

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

AUG 19 1988

NN1.880819.0051

WBS # 1.2.9
"QA:N/A"

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

YUCCA MOUNTAIN PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING AUGUST 19, 1988

I. Critical Items Status

A. Site Characterization Plan (SCP)

Comment Resolution workshops with U.S. Department of Energy/Headquarters (DOE/HQ) reviewers continued this week in Las Vegas. Workshops for SCP Chapters 1 and 4 started Monday; for Sections 8.3.1.8, 8.3.1.17, 8.3.1.3, 8.3.1.7, and 8.3.1.9, Tuesday; for Chapter 2, Sections 8.3.1.14 and 8.3.1.15, Thursday; and for Chapter 5 and Section 8.3.1.5, Friday.

Text for about 90 percent of Section 8.4 was received at Science Applications International Corporation (SAIC) on Tuesday. Working Group (WG) 7 held a workshop in Las Vegas on Thursday to prepare an integrated mark-up.

A revised draft of the Site Program Overview, Section 8.3.1.1 was distributed at the end of the week.

The Technical Review Branch continued supporting development of position-paper outlines for Erosion and Dissolution. A meeting was held in Washington, D.C., with DOE/HQ on Thursday. Work also continued on development of guidelines for position-paper development.

The SCP Production team met Friday in Las Vegas to continue planning and coordinating SCP production activities.

Thirteen draft Study Plans are currently in review. Project review of Study Plan 8.3.4.2.4.2, Hydrologic Properties of the Waste Package Environment, was initiated this week. One Study Plan is undergoing revision by the participant. Six Study Plans have been submitted to DOE/HQ for review and three Study Plans have been submitted to DOE/HQ for approval. Two Study Plans are in review at the U.S. Nuclear Regulatory Commission (NRC): (1) Excavation Investigations, Study

Plan 8.3.1.15.1.5; and, (2) Water Movement Tracer Tests Using Chloride and Chlorine-36 Measurements of Percolation at Yucca Mountain, Study Plan 8.3.1.2.2.2.

DOE/HQ reviews of the three most recent Study Plans submitted to DOE/HQ as well as reviews of all future Study Plans will be on hold until DOE/HQ procedures for Study Plan review are finalized.

The present status of Study Plans is as follows:

Quality Check	0
Project Review	1
Participant Revisions	1
Parallel PO & DOE/HQ Review	0
DOE/HQ Review Pending	3
DOE/HQ Review	3
Comment Resolution Check	0
DOE/HQ Approval Pending	3
NRC Review	2
Total	13

B. Core Sample Management

The inventory of samples in the U.S. Geological Survey (USGS) Core Library is continuing. The totals as of August 15 consist of 96 boreholes with 65 boxes of cuttings, 240 pieces of core sealed in PVC pipe, 2,384 boxes of core, 87 waxed samples of core, and 54 boxes miscellaneous samples.

C. Quality Assurance (QA)

A USGS QA representative was interviewed by a reporter for the Nuclear Waste News about the USGS reaction to the DOE stop-work order. The representative stated that it was administrative in nature and due to changing QA requirements. He also stated that the USGS would have the proper procedures in place by the end of October and that return to work is projected for March 1989.

A review was performed at USGS to verify corrective actions for audit findings that were generated as a result of Audit 85-14. Based on objective evidence reviewed, the audit is considered closed.

A meeting was held on Wednesday between USGS QA representatives, Yucca Mountain Project Office (Project Office) QA staff, and participating auditors, to discuss and resolve USGS responses to audit findings and observations on Audit 88-3 (Menlo Park).

II. Significant Accomplishments/Information Items

An Institutional Transportation Program Coordination meeting was held on Tuesday. Representatives from the Project Office and SAIC met with DOE/HQ staff to support them in the development of a comprehensive public information plan.

On Tuesday and Wednesday a meeting of the Management Overview Team for long range planning was held. The networking portion of the exercise was initiated for the Working Integration Groups.

A Project Management meeting was held in Washington, D.C., on Thursday and Friday.

Also on Thursday and Friday, a Cost Schedule Control System Criteria (CSCSC) meeting was held in Las Vegas. The impact of CSCSC on milestones was looked at.

Work is continuing on a synthesis document which will summarize and evaluate technical concerns raised by the Szymanski report. This document is scheduled for completion, in draft form, the first part of September 1988.

An application for an administrative land withdrawal was delivered to DOE/HQ on Thursday for approval to file with the U.S. Bureau of Land Management.

The following Milestones have been submitted to the Project Office by SAIC:

1. T243, "Preliminary Draft Section 175 Report"

2. P027, P028, R163, R164, R165,"Quarterly Meteorological Data Report" (reports 2 through 6)

Submitted to the Project Office by Los Alamos National Laboratory (LANL):

1. R749, "Results of the Cove 2a Benchmarking Calculations Run with TRACR3D"

III. Upcoming Events

Date	Event	Location	Contact
A. Coordinating Group Meetings			
None to report.			
B. HQ Meetings			
Wednesday-Thursday, August 24-25	Transportation Meeting	Washington D.C.	C. Kouts HQ

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

Date	Event	Location	Contact
Tuesday-Wednesday, August 23-24	Edison Electric Institute presentation	Las Vegas, NV	W. Dixon, Project Office
Tuesday-Wednesday, August 23-24	Exploratory Shaft Test Plan meeting	Las Vegas, NV	R. Waters, Project Office
Tuesday, August 25	ESF Interface Control Working Group Meeting	Las Vegas, NV	D. Irby, Project Office
Wednesday-Thursday, August 31-September 1	Project Managers-Technical Project Officers meeting	Las Vegas, NV	J. Fiore, SAIC
Wednesday, September 7	Sample Overview Committee meeting	Las Vegas, NV	U. Clanton, Project Office
Tuesday, September 20	DOE/NV Managers meeting	Las Vegas, NV	V. Davis, Project Office

D. State and Public Interaction

Thursday, August 25	Project Manager escorts Nevada Legislative Committee on High-Level Radioactive Waste on tour of Idaho National Engineering Lab Transportation Studies	Idaho Falls, ID	V. Davis, Project Office
Friday, August 26	Project Manager gives presentation to Southern Nevada Chapter of the Retired Officers Association	Las Vegas, NV	V. Davis, Project Office
Thursday, September 8	Project Manager gives presentation to West Charleston Lions Club	Las Vegas, NV	V. Davis, Project Office

E. U.S. Nuclear Regulatory Commission Interaction

Date	Event	Location	Contact
Tuesday, September 20	Project Manager gives tour of test site to NRC Commissioner Carr	Las Vegas, NV	V. Davis, Project Office

F. Other

None to report.

Carl P. Gertz, Project Manager
Yucca Mountain Project Office

YMP:SAC-3397