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

TO: Mr. Robert E. Browning, Director
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative
DATE: June 25, 1987
SUBJECT: DOE Weekly Reports

Please find enclosed the above-referenced reports received in this office, i.e., for weeks ending June 12, and June 19, 1987.

nan for FTP

Enclosure

cc: J. J. Linehan
K. Stablein
S. Wastler

WM Record File 102 WM Project 11
Docket No. _____
PDR
X LPDR (N)

Distribution:
REB MJB Ballard Still
JDB ROM Coplan
(Return to WM, 623-SS) Etana J
JKennedy

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WM-11 PDR

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WM Project: WM-11
DR w/enci
(Return to WM, 623-SS)

WM Record File: 102
LPDR w/enci

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Department of Energy

Post Office Box 98518
Las Vegas, NV 89193-8518

JUN 23 1987

**Stephen H. Kale, Associate Director, Geologic Repositories,
HQ (RW-20) FORS**

**NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS
FOR THE WEEK ENDING JUNE 12, 1987**

I. Critical Items Status

A. Stop-Work Orders

Lawrence Livermore National Laboratory (LLNL)--The status of the five remaining scientific investigation planning (SIP) documents and their associated quality assurance level assignments (QALAs) requiring Waste Management Project Office (WMPO) approval to rescind the stop-work provisions for these activities has not changed since the last weekly highlights report, June 5, 1987.

SIPs approved by WMPO	5
SIPs in process	5

U.S. Geological Survey (USGS)--The four generic conditions identified as conditions for rescinding the stop-work order on technical and scientific activities have been satisfied. Hence, the lifting of the stop-work conditions is now incremental with the WMPO approval of the SIPs and associated QALAs. The status of the SIPs and QALAs is as follows:

SIPs approved by WMPO	3
SIPs submitted to the WMPO for review/approval	22
SIPs in process for current investigations	13

B. Site Characterization Plan (SCP)

The four project integration review teams completed their review of Section 8.3. The teams met in Las Vegas for two weeks in parallel with U.S. Department of Energy (DOE) headquarters (HQ) review in Washington, D.C. The HQ and project review teams met in Washington, D.C. to begin three weeks of meetings to resolve comments resulting from the parallel reviews.



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B. Site Characterization Plan (SCP) (continued)

The data and design chapters (Chapters 1 through 7) are in final production at Science Applications International Corporation (SAIC). These chapters, along with Chapter 8, will be reviewed for consistency at HQ during the third week of the comment resolution workshops.

Work is continuing on Section 8.5. Draft networks and lists of milestones have been sent to HQ for review. A meeting is scheduled for June 17-18 to discuss the draft material. New dates for some major milestones are expected to be issued by HQ which will require significant replanning before new networks can be developed.

C. Core Sample Management

Work on the sample management facility (SMF) continued on schedule. Demolition work on Warehouse 2 began as a first step in the construction of the SMF.

I-A. Project Manager's Concerns

A memo to Kale, dated June 5, requests that approval be given to formally change the design bases for the exploratory shaft facility (ESF). (87-1724)

The following concerns have been reported previously on weekly highlights reports.

<u>Issue</u>	<u>Status</u>	<u>First Report Date</u>
1. Letter to Knight, dated March 25, requests HQ help in obtaining available U.S. Nuclear Regulatory Commission (NRC) information regarding criteria, restrictions, and analyses relating to overflight of licensed facilities by aircraft. (86-958)	Due May 6, 1986. OGR action delayed due to higher priority issues (12/16/87 update).	03/27/86
2. January 20 letter to Stein transmits final version of letter report describing ongoing and planned site characterization activities. Requests approval to provide copies to state of Nevada at January 23 meeting. (87-749)	Due January 22, 1987.	01/23/87

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Issue	Status	First Report Date
3. Letter to Smith, dated March 10, requests the reference in the Procurement/Contracting rules where a discussion of the interface agreements can be found. (87-1133)	Due March 26, 1987.	04/03/87
4. Letter to Stein, dated March 10, requests review and comment on revised background paper for meeting with the NRC. (87-1134)	Due March 11, 1987.	04/03/87
5. Letter to Kale, dated March 26, requests review of the Office of Geologic Repositories (OGR) Work Breakdown Structure, Revision (OGR/B-4). (87-1234)	Due April 1, 1987.	04/03/87
6. Letter to Cassella, dated April 16, requests assistance in obtaining final signature on NNWSI Project charter. (87-1386)	Due May 7, 1987.	04/24/87
7. Letter to Kale, dated April 30, requests expeditious final approval of NNWSI Project QA Plan, NVO-196-17, Revision 5. (87-1477)	Due May 20, 1987.	05/08/87
8. Letter to Stein, dated May 18, requests a choice be made between two schedules of cost estimates for programs described in SCP, Section 8.3. (87-1600)	Due June 2, 1987.	05/22/87
9. Letter to Knight, dated June 1, addresses a concern relative to the LANL Mineralogy/Petrology program audit. Clarification is requested on the concept of evaluating "technical adequacy." (87-1694)	Due June 5, 1987.	06/05/87

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Stephen H. Kale

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II. Significant Accomplishments/Information Items

Mitchell Kunich conducted a tour of the Nevada Test Site (NTS) for representatives of the Korean government.

Project staff displayed the Office of Civilian Radioactive Waste Management's table-top exhibit ("Managing the Nation's Nuclear Waste") at the First Annual Pahrump Valley Trade Show in Pahrump, Nevada, on June 7. Informational publications were distributed to the public at this trade show.

Holmes & Narver, Inc. has reported completion of the task of compiling information on aerial photographs of Yucca Mountain and vicinity that have been taken in support of the NNWSI Project. This task was conducted in response to a WMPO action item (87-1541), and the information is to be provided to the state of Nevada, Nuclear Waste Project Office.

The drawing depicting the physical interfaces between the ESF and the repository has been agreed upon by all participants of the ESF-Repository Interface Coordination Group. The drawing will be sent to the WMPO for approval and baselining according to WMPO quality assurance procedures.

III. Upcoming Events

	<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
A.	<u>Coordinating Group Meetings</u>			
	None to report.			
B.	<u>HQ Meetings</u>			
1.	Tuesday, May 26 through Friday, June 19	SCP Review	Washington, DC	U. Clanton, WMPO
C.	<u>Internal Project and NV Meetings</u>			
1.	Tuesday, June 16	DOE/NV Manager's meeting	Las Vegas, NV	B. West, WMPO
2.	Tuesday-Wednesday June 23-24	OGR quarterly review	Las Vegas, NV	B. West, WMPO
3.	Wednesday-Thursday, June 24-25	PM-Technical Project Officers meeting	Las Vegas, NV	J. Fiore, SAIC
4.	Thursday, July 2	QA managers meeting	Las Vegas, NV	J. Blaylock, WMPO

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
5. Tuesday, July 7	Sample Overview Committee meeting	Las Vegas, NV	U. Clanton, WMPO
6. Monday-Wednesday, July 13-15	Calcite-silica peer review (tentative)	Las Vegas, NV	M. Blanchard, WMPO
7. Thursday, July 19	Title I Design Review of Technical Services Building Modifications	Mercury, NV	C. McWilliams, NTSO

D. State and Public Interaction

1. Monday, June 15	NTS tour for representatives of the Nevada State Multiple Use Advisory Committee	NTS	M. Kunich, WMPO
2. Wednesday, June 17	NTS tour for representatives of the German Physikalisch Technische Bundesanstalt	NTS	D. Vieth, WMPO
4. Friday, June 19	NTS tour for members of the state of Nevada Technical Review Panel	NTS	M. Kunich, WMPO

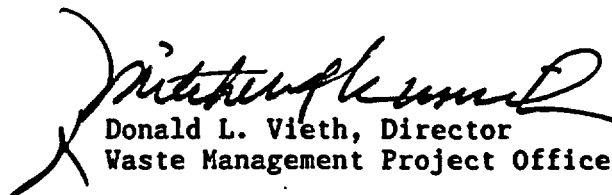
E. NRC Interaction

1. Tuesday-Wednesday June 30-July 1	NRC meeting with state and tribal representatives	Washington, DC	J. Szymanski, WMPO
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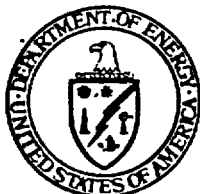
F. Other

None to report.

WMPO:WRD-2023



Donald L. Vieth, Director
Waste Management Project Office



Department of Energy

Post Office Box 98518
Las Vegas, NV 89193-8518

JUN 23 1987

Stephen H. Kale, Associate Director, Geologic Repositories,
HQ (RW-20) FORS

NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS
FOR THE WEEK ENDING JUNE 19, 1987

I. Critical Items Status

A. Stop-Work Orders

Lawrence Livermore National Laboratory (LLNL)--The status of the five remaining scientific investigation planning (SIP) documents and their associated quality assurance level assignments (QALAs) requiring Waste Management Project Office (WMPO) approval is as follows:

SIPs approved by WMPO	5
SIPs in process	5

Three of the SIPs in progress have been submitted to the WMPO for review. The review date is not yet scheduled, but will occur during July.

U.S. Geological Survey (USGS)--The four generic conditions identified for rescinding the stop-work order on technical and scientific activities have been satisfied. Hence, the lifting of the stop-work order is now incremental with the WMPO approval of the SIPs and associated QALAs. The status of the SIPs and QALAs is as follows:

SIPs approved by WMPO	3
SIPs submitted to the WMPO for review/approval	26
SIPs in process for current investigations	9

Six of the SIPs in process have been submitted to WMPO for review. The tentative date for this review is July 8 and 10, 1987.

B. Site Characterization Plan (SCP)

NNWSI Project review teams have completed the second week of comment resolution work-shops with U.S. Department of Energy (DOE) headquarters (HQ) review teams. The review has focused on Section 8.3 of the SCP. The parameters tables and logic diagrams have received the most attention and are being revised extensively. The workshops will continue through June 26.



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B. Site Characterization Plan (SCP) (continued)

Draft networks and lists of milestones for Section 8.5 were reviewed and final Project review of the SCP glossary took place in Washington D.C.

The data and design chapters of the SCP (Chapters 1 through 7) are in final draft production at Science Applications International Corporation (SAIC). Chapters 2 and 4 are being prepared as camera-ready; the remaining chapters will receive a final technical check before the camera-ready version is produced.

C. Core Sample Management

Title II drawings for Warehouse I of the Sample Management Facility (SMF) in Area 25 of the Nevada Test Site (NTS) have been finalized. Construction of the facility will begin in July.

I-A. Project Manager's Concerns

The following concerns have been reported previously on weekly highlights reports.

<u>Issue</u>	<u>Status</u>	<u>First Report Date</u>
1. Letter to Knight, dated March 25, requests HQ help in obtaining available U.S. Nuclear Regulatory Commission (NRC) information regarding criteria, restrictions, and analyses relating to overflight of licensed facilities by aircraft. (86-958)	Due May 6, 1986. Office of Geologic Repositories (OGR) action delayed due to higher priority issues (12/16/87 update).	03/27/86
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7. Letter to Kale, dated April 30, requests expeditious final approval of NNWSI Project Quality Assurance (QA) Plan, NVO-196-17, Revision 5. (87-1477)	Due May 20, 1987.	05/08/87
8. Letter to Stein, dated May 18, requests a choice be made between two schedules of cost estimates for programs described in SCP, Section 8.3. (87-1600)	Due June 2, 1987.	05/22/87
9. Letter to Knight, dated June 1, addresses a concern relative to the Los Alamos National Laboratory (Los Alamos) Mineralogy/Petrology program audit. Clarification is requested on the concept of evaluating "technical adequacy." (87-1694)	Due June 5, 1987.	06/05/87

JUN 23 1987

Issue	Status	First Report Date
10. Memo to Kale dated June 5 requesting that approval be given to formally change the design bases for the Exploratory Shaft Facility (87-1724)	Due June 26, 1987.	06/12/87

II. Significant Accomplishments/Information Items

Los Alamos has transmitted a report entitled "Investigations of Natural Geologic and Geochemical Analogs in Relation to a Potential Nuclear Waste Repository at Yucca Mountain, Nevada" (Milestone R398) to the WMPO for policy review. LANL also submitted a draft Readiness Review Procedure to the WMPO for review in support of Milestones T124, T126, T128, and T130.

The draft annotated outline for the Plan of Development that relates to the execution of field studies has been submitted to the WMPO (by SAIC) for review. SAIC also transmitted the 1986 data report of environmental radiological monitoring activities to the WMPO, satisfying Milestone N360.

The DOE has reported completion of Level 1 Milestone M806 and Level 2 Milestone M801, both of which involved interaction between Sandia National Laboratories (SNL) and the Hanford Engineering Development Laboratory relative to a remote/automated waste handling system. The DOE also reported transmittal of an SNL report entitled "OGR Repository-Specific Consolidation Study: Effect on Costs, Schedules, and Operations at the Yucca Mountain Repository" (R267) to the OGR for review.

The state of Nevada communicated their acceptance (with reservations and exceptions) of a DOE grant (No. DE-F608-85NV10461) in a letter to the DOE dated May 7, 1987. This grant was in support of NNWSI Project Milestone M786.

Don Vieth made a presentation before the Nevada federal land multiple use advisory committee explaining the potential needs and rationale for land for the repository project. The meeting was very positive with numerous questions and opportunities to clarify misunderstandings.

Don Vieth conducted a tour of the NTS for representatives of the German Physikalisch Technische Bundesanstalt on June 17. Mitch Kunich conducted two tours of the NTS: one on June 15 for representatives of the Nevada state's federal land multiple use advisory committee, and one on June 19 for members of the state of Nevada technical review panel for their socioeconomic studies.

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III. Upcoming Events

	<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
A. <u>Coordinating Group Meetings</u>				
None to report.				
	<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
B. <u>HQ Meetings</u>				
1.	Tuesday, May 26 through Friday, June 26	SCP Review	Washington, DC	U. Clanton, WMPO
C. <u>Internal Project and NV Meetings</u>				
1.	Thursday, July 2	QA managers meeting	Las Vegas, NV	J. Blaylock, WMPO
2.	Tuesday, July 7	Sample Overview Committee meeting	Las Vegas, NV	U. Clanton, WMPO
3.	Monday-Wednesday, July 13-15	Calcite-silica peer review (tentative)	Las Vegas, NV	M. Blanchard, WMPO
4.	Thursday, July 19	Title I Design Review of Technical Services Building Modifications	Mercury, NV	C. McWilliams, NTSO
D. <u>State and Public Interaction</u>				
1.	Monday, June 29	Testimony before the U.S. Congress by the WMPO director	Washington, DC	D. Vieth, WMPO
E. <u>NRC Interaction</u>				
1.	Tuesday-Wednesday June 30-July 1	NRC meeting with state and tribal representatives	Washington, DC	J. Szymanski, WMPO
2.	Tuesday, June 30	NRC Appendix 7 meeting at LLNL	Livermore, CA	J. Szymanski, WMPO
F. <u>Other</u>				
None to report.				

Donald L. Vieth
Donald L. Vieth, Director
Waste Management Project Office