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WM Project 11  
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PDR L  
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TO: Mr. Robert E. Browning, Director  
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative  
DATE: February 5, 1987  
SUBJECT: DOE Weekly Report

Please find enclosed the above-referenced report received in this office, i.e., for week ending January 30, 1987.

nan for PTP

Enclosure

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

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## Department of Energy

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FEB 03 1987

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

NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS  
FOR THE WEEK ENDING JANUARY 30, 1987

### I. Critical Items Status

#### A. Stop Work Order

U.S. Geological Survey (USGS)--Revised scientific investigation planning (SIP) documentation for erosion is in review. Work continues on SIP documentation and quality assurance level assignments (QALAs) for the paleoenvironmental history of Yucca Mountain; left-lateral strike-slip fault systems and north-striking normal faults. The U.S. Bureau of Reclamation has submitted 11 of 13 prototype hydrologic SIP documentations to the USGS; 1 is in final preparation, and 1 is in draft preparation. Internal review meetings for prototype SIP documents are planned for the last week in January.

Lawrence Livermore National Laboratory (LLNL)--The status of the remaining required five sets of SIP documents that need to be submitted to the Waste Management Project Office (WMPO) has not changed since January 16, 1987. Work on these documents is delayed because of efforts required for the waste package strategy document, review of the Site Characterization Plan (SCP), and preparation of the work package proposal authorization system. The SIP documentation and QALAs for waste form testing (glass) were approved by WMPO on January 22, 1987, resulting in the stop-work order being lifted.

#### B. Site Characterization Plan (SCP)

A Permanent Overview Committee (POC) meeting on Sections 8.4 and 8.7 was held January 26-27.

Reference verification for Permanent Internal Review Committee (PIRC) 9, Chapter 2 consolidated markup, and a list of reference problems were sent to Sandia National Laboratories (SNL) for resolution.

PIRC 15 teams are continuing to revise the SCP in parallel with the U.S. Department of Energy (DOE) Headquarters (HQ) review. Members of Team 1, Data Requirements, are compiling the parameter lists and expect to finish the compilation this week.

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Team 21, Tectonics, met this week to discuss issue resolution strategy information needs and performance allocation for pre- and postclosure tectonics.

PIRC 9 (reference verification) consolidated markups and reference problems will be sent out for Chapters 3, 4, 5, 6, and 7 by close of business on January 30, 1987.

A PIRC 15 telecon was held on January 22. Team 24, members of PIRC 15, will meet at Science Applications International Corporation (SAIC) on January 27-28 to work on the data base for Section 8.5. A future climate modeling meeting at DOE/HQ is tentatively scheduled for the second week of February. A POC meeting is tentatively scheduled for February 2-3, 1987, on containment and engineered barrier system issues. The POC package on higher level findings and U.S. Nuclear Regulatory Commission (NRC) siting criteria will be ready for distribution in the next few days. A POC meeting will be scheduled for the week of February 9.

#### C. Core Sample Management

The final report on the Sample Management Facility was completed and SAIC personnel presented a briefing to WMPO on January 22. At this meeting, the decision was made to proceed with the development of the facility and convert Warehouses 1 and 2 in Area 25 of the Nevada Test Site (NTS) for use as the Project Sample Management Facility. SAIC personnel will continue their efforts to develop the facility and the technical, operational, and Quality Assurance (QA) procedures to support the sample management program.

A draft of the Statement of Work on sample archiving was sent by SAIC to WMPO for approval.

#### Waste Package Strategy Document

The revised draft of this document was sent to the State of Nevada on January 16. LLNL personnel began a QA review of the document.

#### I-A. Project Manager's Concerns

The following concerns have been reported previously on Weekly Highlights reports:

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Issue	Status	First Report Date
1. Letter to Knight dated March 25 requests HQ help in obtaining available 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. Letter to Jelacic dated August 21 requests information about applicability of "A Guide to Radiological Accident Considerations for Siting and Design of Department of Energy (DOE) Nuclear Facilities" to Nuclear Waste Policy Act Program. (86-2126)	Due September 11, 1986. In internal review; input to be sent to J. Knight, WMPO to receive draft by 1/23/87 (in progress as of 1/27/87).	10/31/86
3. Letter to Stein requests a briefing be given on November 4 to Nevada Operations Office management by Resource Technology, Inc., concerning their recommendations on drilling activities for the nuclear waste isolation program. (87-252)	Due February 15, 1987. Final report will be completed shortly; meeting with management may not be necessary. Will advise later (1/27/87).	10/24/86
4. Letter dated November 10 to Newton requests clarification of three areas in minutes of July 23-24 QACG meeting: 1) phasing of NQA-1 1986 into Project QA plans; 2) interpretation of QA administrative procedures; and 3) references to State and tribes and NRC participating on DOE audits. (87-404)	Due December 8, 1986.	11/14/86

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Issue	Status	First Report Date
5. Letter to Knight on December 2 comments on proposed interactions and technical meetings with NRC and need to complete SCP and requests HQ approval to conduct a DOE and NRC interaction on seismic/tectonics in February 1987. (87-529)	Due December 23, 1986	12/12/86
6. Letter to Newton dated December 15 transmits NNWSI Project Quality Assurance Plan for approval by the Office of Geologic Repositories (OGR) and requests expeditious review. (87-596)	Due January 1, 1987	01/02/87
7. January 12 letter to Gale repeats previous request for guidance concerning State of Nevada compliance with Office of Management and Budget regulations regarding information collection. (87-710)	Due January 13, 1987.	01/17/87
8. Ltr to Stein dated January 22, 1987, with final version of 15-20 page letter report describing ongoing and planned site characterization activities requests HQ approval to provide copies to the State on January 23, 1987. (87-749)	Due January 23, 1987.	01/23/87
9. January 28 letter to Kale for review and approval of the Reevaluation of Exploratory Shaft Requirements for the Nevada Nuclear Waste Storage Investigations Project. (87-824)	Due February 18, 1987.	

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Issue	Status	First Report Date
10. December 22 letter to Alexander requesting clarification of the Study Plan Review. (87-844)	Due January 5, 1987.	
11. January 14 letter to Stein transmitting the NNWSI Project's SCP to the OGR for review. (87-845)	Due February 27, 1987.	

Significant Accomplishments/Information Items

Fenix & Scisson Inc., issued the "ESF Development Study" for WMPO review and comment.

An SNL report titled "Summary of Geochemical Measurements Taken In and Around the G-Tunnel Underground Facility, NTS" (SAND86-1015) was sent to WMPO January 22, 1987. This report satisfies Milestone P199.

Two SNL reports, "NNWSI Unit Evaluation at Yucca Mountain, Nevada Test Site: Near Field Thermal and Mechanical Calculations Using the SANDIA-ADINA Code" and "NNWSI Unit Evaluation at Yucca Mountain, Nevada Test Site: Near-Field Mechanical Calculations Using a Continuum Jointed Rock Model in the JAC Code," were sent to WMPO for policy review. These reports are SCP references.

Louis Ventre, counsel for the U.S. Congress Subcommittee on Energy Research and Development, accompanied by Robert Taft, DOE/AMES, visited the G-Tunnel Underground Facility on January 12, 1987.

The reviews on November 20-21, 1986 for SCP-CDR Chapters 1 through 5 and on January 14-15, 1987 for Chapters 6 through 9 constitute completion of SNL Milestone P153.

Don Vieth attended Town Hall meetings in Beatty, Armagosa, and Pahrump, Nevada. The attendance was good and very supportive.

On Wednesday, January 27, 1987, copies of the draft Mission Plan Amendment were delivered to Governor Bryan; Joseph Dini, Speaker of the Assembly; Bill Raggio, Senate Majority Leader; Senator Tom Hickey, Chairman of the Legislative Committee on Radioactive Waste; and Robert Loux, Director of the Nevada Nuclear Project Office, at 10 a.m. There was no immediate reaction from the State leadership. Media coverage of the information in the draft Amendment presents the time extension as a "victory for Nevada," and is evidence of a "crumbling DOE program that is in disarray." NV staff will meet with the press today to provide an alternate viewpoint.

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III. Upcoming EventsA. Coordinating Group Meetings

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
None to report.			
B. <u>HQ Meetings</u>			
1. Monday-Thursday, February 2-5	Transportation Basic Workshop	Las Vegas	R. Barner, WMPO
2. Tuesday-Wednesday, February 3-4	Preclosure Risk Assessment Method- ology Working Group	Las Vegas	Robson/ Rodriquez, WMPO
3. Tuesday-Thursday, February 10-12	OGR Information Management Systems Task Force	Las Vegas	K. Hatch, WMPO
4. Wednesday-Friday, February 18-20	OGR Licensing Support System Task Group	Washington, D.C.	K. Hatch, WMPO

C. Internal Project and DOE/NV Meetings

1. Tuesday, February 3	Sample Overview Committee Meeting	Las Vegas	U. Clanton, WMPO
2. Tuesday, February 17	DOE/NV Managers' Meeting	Las Vegas	B. West, WMPO
3. Wednesday-Thursday, February 18-19	PM-TPO Meeting	Las Vegas	J. Fiore, SAIC

D. State and Public Interaction

1. Thursday, February 12	States and Tribes Quarterly Meeting	Spokane, WA	B. West, WMPO
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E. NRC Interaction

None to report.

WMPO:WRD-885

  
Donald L. Vieth, Director  
Waste Management Project Office