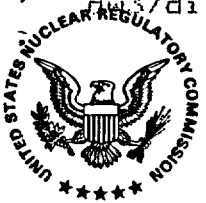


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LPDR-WM-112)

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

Reply to:  
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: January 13, 1987  
SUBJECT: DOE Weekly Report

Please find enclosed the above-referenced report received in this office, i.e., for week ending January 9, 1987.

nan for PTP

Enclosure

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

8702130237 870113  
PDR WASTE PDR  
WM-11

WM Record File  
102

WM Project 11  
Docket No. \_\_\_\_\_  
PDR ✓  
XLPR ✓

Distribution:  
REB MJB Justus Winchan  
JOB RDM Coplan Hill  
(Return to WM, 623-SS) Kennedy Sac

1246



## Department of Energy

Nevada Operations Office  
P. O. Box 14100  
Las Vegas, NV 89114-4100

JAN 12 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 9, 1987

#### I. Critical Items Status

##### A. Stop Work Order

Sandia National Laboratories (SNL)--The SNL draft procedure for the NNWSI Project records management system was submitted to the Waste Management Project Office (WMPO) to complete Milestone R087.

U.S. Geological Survey (USGS)--A revised copy of the scientific investigation planning (SIP) documentation for modeling of fracture networks is in review. Other SIP documentation is in progress or under review for surface-based borehole investigations, fractured-rock hydrology, gaseous phase movement, site ambient thermal conditions, distribution and characterization of present-day erosion, optimal rubble size, triaxial compression, and the exploratory shaft. A revised response to the remaining 1986 audit findings was prepared for delivery to WMPO the week of January 5. Six of thirteen prototype hydrologic SIP documentations have been submitted to WMPO, one is ready to submit, two are in final preparation, one is in USGS draft review, and three are in draft preparation.

Lawrence Livermore National Laboratory (LLNL)--One of the seven remaining SIP documentations, for waste package design, was approved and the stop-work order lifted in that area. The draft for waste form (glass), was submitted to WMPO on December 1, and the remaining five sets of SIP documentation for waste package environment, waste form (spent fuel), metals barriers, other materials, and integrated testing continue to be delayed because of the higher priorities of the waste package strategy document and the Site Characterization Plan (SCP).

##### B. Site Characterization Plan

All sections and chapters of the SCP that are scheduled for Headquarters review have been through at least one complete production cycle and the sections of Section 8.3 have been reviewed by a Project Overview Committee representative.

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References for Chapters 1 through 7 have been verified at least once. Chapter 2 is complete. Verification of Chapter 8 references will begin next week and a status report will be issued next week.

### Meetings

Permanent Internal Review Committee (PIRC) 15 will meet January 7-8 in Las Vegas.

#### C. Core Sample Management

A meeting of the Sample Overview Committee is scheduled in Las Vegas on January 13.

#### D. Waste Package Strategy Document

LLNL personnel completed the draft of Chapter 6 that replaces Chapters 6 and 8 of the November 4 version. This new draft is now in internal review. Work is proceeding on Chapter 7 and the Executive Summary (Chapter 1).

### 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 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. Draft NNWSI Project Charter sent to Cassella on June 26 to obtain necessary signatures from Headquarters personnel. (86-1573)	Due July 17, 1986. Charter to be discussed with Director (12/16/87 update).	07/03/86
3. 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.	10/31/86

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Issue	Status	First Report Date
4. 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 January 15, 1987. Briefing postponed to January 1987 (12/16/86 update).	10/24/86
5. Letter to Alexander requests level of effort support by Argonne National Laboratory in support of NNWSI Project SCP reference verification task as defined in an enclosed outline. (87-295)	Due November 6, 1986.	10/31/86
6. 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
7. Letter to Knight on December 2 comments on proposed interactions and technical meetings with Nuclear Regulatory Commission (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

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Issue	Status	First Report Date
8. 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
9. In letter to Frei, dated December 24, NNWSI Project requests delay and post-postponement for Milestone R241, subsystems design requirements document for exploratory shaft facility, from December 1986 to February 16, 1987. (87-628)	Due December 31, 1986.	01/02/87

#### Significant Accomplishments/Information Items

SNL submitted the draft NNWSI Project Systems Engineering Management Plan to WMPO for review. This plan fulfills Milestone M761. This version contains changes necessary to be consistent with the Configuration Management Plan.

The SNL Milestone R266 was met when the draft "OGR Repository-Specific Consolidation Study: Effect on Costs, Schedules, and Operations at the Yucca Mountain Repository" was submitted to WMPO for review on December 24.

SNL submitted two publications, "Disposal of Radioactive Waste Packages in Vertical Boreholes--A Description of the Operations and Equipment for Emplacement and Retrieval" and "Disposal of Radioactive Waste Packages in Horizontal Boreholes--A Description of the Operations and Equipment for Emplacement and Retrieval," to WMPO to meet Milestones N440 and N450, respectively. These reports are referenced in the SCP.

Science Applications International Corporation (SAIC) personnel revised review comments on the State Grant Proposal. The reviews focused on "minimum criteria" for conducting professional reviews of scientific proposals. The review package was returned to WMPO on January 2.

III. Upcoming EventsA. Coordination Group Meetings

	<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
1.	Tuesday-Wednesday, January 13-14	Geosciences Coordi- nation Group	Washington, D.C.	M. Blanchard, WMPO
2.	Tuesday-Thursday, January 20-22	Environmental Coordi- nation Group	Las Vegas	B. Jankus, WMPO
3.	Wednesday-Thursday, January 28-29	Quality Assurance Coordination Group	Las Vegas	J. Blaylock, WMPO

B. HQ Meetings

1.	Monday-Thursday, February 2-5	Transportation Basis Workshop	Las Vegas	R. Barner, WMPO
2.	Tuesday-Friday, February 10-13	OGR Information Management Systems Task Force	Las Vegas	K. Hatch, WMPO
3.	Monday-Friday, February 16-20	OGR Licensing Support System Task Group	Washington, D.C.	K. Hatch, WMPO

C. Internal Project and DOE/NV Meetings

1.	Tuesday, January 13	Sample Overview Committee meeting	Las Vegas	U. Clanton, WMPO
2.	Tuesday, January 13	NV Manager's meeting	Las Vegas	B. West, WMPO
3.	Wednesday, January 14	Environmental Regu- latory Compliance Briefing for TPO Coordinators	Las Vegas	B. Jankus, WMPO
4.	Thursday-Friday, January 15-16	Exploratory Shaft Facility meeting	Tulsa, OK	D. Irby, WMPO
5.	Tuesday-Thursday, January 13-15	Conceptual Design Report, Chapters 6-9, review meeting	Albuquerque, NM	T. Zvada, WMPO
6.	Tuesday-Wednesday, January 20-21	PM-TPO Meeting	Las Vegas	J. Fiore, SAIC

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C. Internal Project and DOE/NV Meetings

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
7. Tuesday-Thursday, January 20-22	Systems Engineering Integration Group meeting	Albuquerque, NM	J. Robson, WMPO
8. Wednesday-Thursday, January 21-22	QA Manager's Meeting	Los Alamos, NM	J. Blaylock, WMPO, and S. Metta, SAIC
9. Thursday, January 22	Facility Interface Capability Assessment meeting (tentative)	Albuquerque, NM	T. Zvada, WMPO

D. State and Public Interaction

1. Friday, January 23	EMP/SMMP briefing to State of Nevada	Carson City, NV	B. Jankus/ Lundgaard, WMPO
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E. NRC Interaction

None to report.

WMPO:WRD-721

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