



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

WM-11-11-11

FEB -4 A1138

Reply to:
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TO: Mr. Robert E. Browning, Director
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative
DATE: January 29, 1987
SUBJECT: DOE Weekly Report

Please find enclosed the above-referenced report
received in this office, i.e., for week ending
January 16, 1987.

nan for PTP

Enclosure

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

WM Record File

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WM Project

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Docket No.

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Department of Energy

Nevada Operations Office

P. O. Box 14100

Las Vegas, NV 89114-4100

JAN 21 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 16, 1987

I. Critical Items Status

A. Stop Work Order

Lawrence Livermore National Laboratory (LLNL)--The status of the remaining five scientific investigation planning (SIP) documents that have not been submitted to the Waste Management Project Office (WMPO) is as follows:

1. Waste package environment--Second internal draft of the SIP documentation is undergoing revision after technical review. The draft is due to the WMPO on January 31, 1987. Delay is due to the requirements for preparation of the waste package strategy document.
2. Waste form - spent fuel--The draft SIP documentation is due for internal review on January 30, 1987. The draft is due on 1/30/87. Delay is due to preparation of the waste package strategy document.
3. Metals barriers--The draft SIP documentation is due for internal review on February 27, 1987.
4. Other Materials--Technical work will not proceed until the quality assurance level assignments are defined and additional staff brought on-board.
5. Integrated Testing -- The draft SIP documentation is due for internal review on February 14, 1987. Delay is due to preparation of the waste package strategy document.

U.S. Geological Survey (USGS)--SIP documentation for dry coring, blast effects, and characteristics of ambient thermal conditions at Yucca Mountain is in various stages of review. Work continues on the SIP documentation for the deep unsaturated zone, surface-based borehole investigations, streamflow, and vertical seismic profiling. Seven of 13 prototype hydrologic SIP documentations have been submitted to WMPO, three are in the final stages of preparation, two are in draft review, and one in draft preparation. The first indoctrination and training course was held January 8-9. The course will be presented

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twice each week until the full roster of program participants has been trained on the contents and use of the QA manual.

B. Site Characterization Plan (SCP)

Production of the draft SCP was completed January 14, 1987. The draft was delivered to REECo for reproduction and distribution.

Permanent Internal Review Committee (PIRC) was reconvened in Las Vegas January 7-8 to continue resolving comments that could not be completed in time for the HQ draft, and to continue work on revisions to be incorporated into the final SCP following HQ review.

Section 8.4 went to reproduction January 13, 1987. It will be distributed for review January 16, 1987.

Section 8.5 is being integrated and written at SAIC.

C. Waste Package Strategy Document

The WMPO received the waste package strategy document from Lawrence Livermore National Laboratory on December 24, 1986. LLNL staff members completed work on Section 6, containment and Appendix A (detailed calculations to support Section 6), and began review of those sections. Section 7 on release rate control is in preparation and will be internally reviewed next week.

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

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Issue	Status	First Report Date
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
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 dated October 23 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

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Issue	Status	First Report Date
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
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 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

The WMPO reviewed and approved the Los Alamos National Laboratory report "Minerals in Fractures of the Saturated Zone from Drill Core USW G-4, Yucca Mountain, Nye County, Nevada," which met Milestone R345.

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III. Upcoming EventsA. Coordinating Group Meetings

	<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
1.	Tuesday-Thursday, January 20-22	Environmental Coordinating Group	Las Vegas, NV	B. Jankus, WMPO
2.	Wednesday-Thursday, January 28-29	Quality Assurance Coordinating Group	Las Vegas, NV	J. Blaylock, WMPO

B. HQ Meetings

1.	Monday-Thursday, February 2-5	Transportation Basic Workshop	Las Vegas, NV	R. Barner, WMPO
2.	Tuesday-Wednesday, February 3-4	Preclosure Risk Assessment Methodolgy Working Group	Las Vegas, NV	J. Robson/ G. Rodriquez, WMPO
3.	Tuesday-Wednesday, February 3-4	Environmental Planning Working Group	Las Vegas, NV	B. Jankus, WMPO
4.	Tuesday-Thursday February 10-12	OGR Information Management Systems Task Force	Las Vegas, NV	K. Hatch, WMPO
5.	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-Wednesday January 20-21	PM-TPO Meeting	Las Vegas, NV	J. Fiore, SAIC
2.	Tuesday-Thursday, January 20-22	Systems Engineering Integration Group Meeting	Albuquerque, NM	J. Robson, WMPO
3.	Wednesday-Thursday, January 21-22	QA Manager's Meeting	Los Alamos, NM	J. Blaylock, WMPO, and S. Metta, SAIC
4.	Thursday, January 22	Facility Interface Capability Assessment Meeting (tentative)	Albuquerque, NM	T. Zvada, WMPO

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
5. Wednesday January 28	DOE/NV Manager's Meeting	Las Vegas, NV	B. West, WMPO
6. Wednesday-Friday January 28-30	Repository Design Review	San Francisco, CA	T. Zvada, WMPO
7. Tuesday February 3	Sample Overview Committee Meeting	Las Vegas, NV	U. Clanton, WMPO
 <u>D. State and Public Interaction</u>			
1. Friday, January 23	EMP/SMP Briefing to State of Nevada	Carson City, NV	B. Jankus and E. Lundgaard, WMPO
2. Wednesday January 28	Beatty Town Hall Meeting	Beatty, NV	B. West, WMPO
3. Wednesday January 28	Amargosa Town Hall Meeting	Amargosa, NV	B. West, WMPO
4. Thursday January 29	Pahrump Town Hall Meeting	Pahrump, NV	B. West, WMPO
5. Wednesday February 4	States/Tribes Quarterly Meeting	Spokane, WA	B West, WMPO

E. NRC Interaction

None to report.

WMPO:WRD-773


Donald L. Vieth, Director
Waste Management Project Office