



UNITED STATES
NUCLEAR REGULATORY COMMISSION
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Reply to:
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TO: Mr. Robert E. Browning, Director
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative
DATE: October 24, 1986
SUBJECT: DOE Weekly Report

Please find enclosed the above-referenced report received in this office, i.e., for week ending October 10, 1986. According to our file, you were not sent a copy of this report.

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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Department of Energy

Nevada Operations Office

P. O. Box 14100

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OCT 15 1986

**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 OCTOBER 10, 1986

I. Critical Items Status

Waste Package Strategy Document

Lawrence Livermore National Laboratory (LLNL) furnished comments to the Waste Management Project Office (WMPO) on definitions required to complete the Strategy Document. The definitions were recently sent the Project Headquarters for review and comment.

Core Library

The Core Library Steering Committee Report has been delayed due to conflicting activities. It is now scheduled for delivery to WMPO on October 17.

Site Characterization Plan (SCP)

Section 1.7 of the SCP (Mineral and Hydrocarbon Resources) has been drafted and sent to the Permanent Internal Review Committee (PIRC) 1 members for review.

PIRC 1: Draft issue resolution strategies for the characterization issues are being developed, but are progressing slowly.

PIRC 2: Development of draft issue resolution strategies for preclosure and postclosure rock characteristics are about 50 percent complete.

PIRC 3: Sections 3.0, 3.6, 3.9.4, and 3.10 are being revised. Development of draft issue resolution strategies for postclosure geohydrology and preclosure hydrology is continuing.

PIRC 4: Development of a draft issue resolution strategy for Issue 1.14 on geochemistry is continuing.

PIRC 5: The revised paleolake section of Chapter 5 is being reviewed. Discussion continues on the issue of plans for future climatic modeling. A subcommittee of technical and management staff may be organized to reach resolution on this issue.

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PIRC 6: A consolidated markup of Sections 6.0, 6.1, 6.2, 8.3.3 and 8.4.4 is under preparation. Section 6.4 is being reformatted to make the text more readable.

PIRC 7: Sections of Chapter 8 are still incomplete although issue resolution strategies on containment and Engineered Barrier System (EBS) releases have been submitted.

PIRC 8: Characterization issues for this PIRC (Issues 2.9, 2.10, and 2.11) were submitted and will be distributed next week to PIRC members for review. Issue 2.8 should be available on or before October 13.

PIRC 10: Section 8.4 is being finalized and should be submitted next week. Section 8.7 is in production. Distribution of these sections to PIRC members is expected on October 10.

PIRC 12: The Information Needs for Sections 8.3.5.9 and 8.3.5.10 are not yet available. A second comment response meeting will be scheduled upon PIRC package completion and review.

PIRC 13: Sections 1.9, 2.5, 4.1, and 1.8 are currently being revised based on comments from the meeting held last week.

PIRC 14: A draft of 8.1 and 8.2 is in preparation following receipt of a draft revised annotated outline from DOE-HQ.

PIRC 15: Plans are underway to start this integration and consistency PIRC. It has been identified that major intermediate steps from the characterization data/parameter level to the requirements of performance and design issues are missing. This will be a major focus of the PIRC.

PIRC 16: The editorial consistency review of Chapter 4 continues. The comment resolution meeting was held October 7-9.

PIRC 17: Section 8.6 is being revised to be consistent with HQ guidance concerning QA levels and Q-list methodology.

Stop-Work Orders

LLNL has the following scientific investigation planning documentation and quality assurance level assignments (QALAs) in process:

<u>TASK</u>	<u>STATUS</u>
Waste Package Environment	Second internal draft submitted for internal review on 10/3/86.
Waste Form - Spent Fuel	Draft due for internal review on 10/20/86.

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<u>TASK</u>	<u>STATUS</u>
Waste Form - Glass	Draft due to WMPO on 12/1/86
Metals Barriers	Draft due for internal review on 11/30/86.
Other Materials	Technical work will not proceed until QALA's are defined and additional staff brought on-board.
Integrated Testing	Draft due for internal review on 10/8/86.
Waste Package Design	First draft due for internal review on 10/8/86.
Performance Assessment	Submitted to Nevada (NV) on 8/6/86. Met with Science Applications International Corporation (SAIC) on 9/8/86. Response to WMPO comments submitted on 10/6/86.
Geochemical Modeling Code EQ3/6	Submitted to NV on 9/12/86. Meeting with SAIC/WMPO scheduled for 10/9/86.

The U.S. Geological Survey (USGS) QA Manual revisions were completed as required by the September 27 WMPO comments. Additionally, the formal response USGS QA Manual revisions for the WMPO Review comments of September 9 were completed and submitted for the WMPO review.

Draft dispositions of Nonconformance Reports WMPO-2, -27, and -28 were prepared by USGS. All other open action items have been assigned and responses/dispositions are in process. A status of the current open items for WMPO QA was developed and a request made for an extension for those items which will not be resolved by their present due dates.

I-A. Project Manager's Concerns

Don Alexander is to provide an official summary of the Study Plans Level-of-Detail meeting that was held on August 28-29. As of October 8, no summary has been received at the WMPO.

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 February 13 asks for guidance on how to address the difference between the NRC definition of the "engineered barrier" and the Program's baseline position. (86-714)	Due March 6, 1986.	02/20/86
2. 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.	03/27/86
3. Draft NNWSI Project Charter sent to Cassella on June 26 to obtain necessary signatures from headquarters personnel. (86-1573)	Due July 17, 1986.	07/03/86
4. Letter to Knight dated August 6 requested comments by August 27 on proposed technical and Appendix 7 meetings with Nuclear Regulatory Commission and a proposed schedule. (86-2019)	Due August 27, 1986.	08/21/86
5. Letter to Alexander dated August 21, requests comments on strategy proposed in the letter and on the draft report comments and content regarding the Department of	Due August 25, 1986.	08/28/86

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Issue	Status	First Report Date
Energy (DOE)-States/Indian Tribes May 7-8 Agreement. (86-2121)		
6. Letter to Jelacic dated August 21, requests guidance as to the applicability of a Los Alamos report entitled "A Guide to Radiological Accident Considerations for Siting and Design of DOE Nuclear Facilities." (86-2126)	Due September 11, 1986.	08/28/86
7. Letter to Purcell dated August 28, requests clarification on whether the QA Draft Supplement Number 6 has been withdrawn. This supplement applies to the NNWSI Project Standard Operating Procedure-03-02. If it has been withdrawn, does the Office of Geologic Repositories (OGR) still expect comments based on the draft document? (86-2170)	Due September 18, 1986.	09/11/86
8. Letter sent on September 9 to Alexander requests review and comment on the Project's SCP Permanent Internal Review Committee (PIRC) process. (86-2250)	Due September 30, 1986	09/18/86
9. A letter to Benson dated September 18 requests comments on briefing materials prepared for the cancelled August 28 meeting with the State of Nevada. (86-2310)	Due October 9, 1986	09/25/86

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II. Significant Accomplishments/Information Items

A Sandia report entitled, "Comparison of Nonlinear Iteration Techniques for Calculating Hydrological Flow Through Multilayered Hard Rock," has been approved and submitted for publication.

The USGS has concurred with the list of calcite-silica deposits peer review candidates.

At the Geoscience Coordination Group meeting held in Denver on October 1-2, name changes were proposed for two Generic Technical Position papers (Disturbed Zone and Ground Water Travel Time), a charter for the group was agreed to by participants, and Resource Technology Inc. briefed the group on nuclear waste isolation.

II. Upcoming Events

A. Coordination Group Meetings

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
1. None to report.			
B. <u>HQ Meetings</u>			
1. Wednesday-Friday, October 29-31	Program Manager's Meeting/Budget Meeting	Washington D.C.	D. Vieth, WMPO
2. Wednesday-Thursday, November 5-6	EMMP Working Group Meeting	Columbus, OH	B. Jankus, WMPO
3. Friday, November 7	Environmental- Regulatory Compliance Working Group	Columbus, OH	B. Jankus, WMPO

C. Internal Project and DOE/NV Meeting

1. Monday-Friday, October 6-10	QAD Audit of WMPO	Las Vegas	J. Blaylock, WMPO
2. Tuesday, October 14	Seismic/Tectonics Issues Resolution Meeting	Las Vegas	M. Blanchard, WMPO
3. Wednesday-Thursday, October 15-16	Key Issue 3 Meeting	Las Vegas	B. Jankus, WMPO
4. Wednesday-Thursday, October 15-16	Dry run Seismic/ Tectonics Appendix 7 Meeting	Las Vegas	J. Szymanski, WMPO

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
5. Thursday-Friday, October 16-17	Budget Meeting	Las Vegas	D. Shipley, WMPO
6. Tuesday, October 21	DOE/NV Managers' Meeting	Las Vegas	B. West, WMPO
7. Wednesday, October 22	Auxiliary Software QA Committee	Las Vegas	J. Blaylock, WMPO
8. Wednesday-Thursday, October 22-23	Manage-Your-Meetings Facilitator Training Course	Las Vegas	J. Fiore, SAIC
9. Tuesday, November 4	SOC Meeting	Las Vegas	U. Clanton, WMPO
10. Wednesday-Thursday, November 5-6	PM-TPO Meeting	Las Vegas	J. Fiore, SAIC
D. <u>State and Public Interaction</u>			
1. Tuesday, October 21	Lion's Club Speech	Las Vegas	B. West, WMPO
E. <u>NRC Interaction</u>			
None to report.			

WMPO:WRD-171


Donald L. Vieth, Director
Waste Management Project Office