



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

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TO: Mr. Robert E. Browning, Director  
FROM: Paul T. Frestholt, Sr. OR - NNWSI  
DATE: July 21, 1986  
SUBJECT: DOE Weekly Report

Please find enclosed the above-referenced report received in this office, i.e., for week ending July 10, 1986.

nan for PTP

Enclosure

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

WM Record File  
102

WM Project 11  
Docket No. ✓  
PDR ✓  
LPDR ✓(N)

Distribution:

REB MSB RDM MRK  
JTG JOB DRM Coplan Kennedy  
(Return to WM, 623-SS) Justus Still Hale

cc: Stablein  
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PDR WASTE  
WM-11 PDR

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## Department of Energy

Nevada Operations Office

P. O. Box 14100

Las Vegas, NV 89114-4100

JUL 15 1986

William J. Purcell, Director, Office of Geologic Repositories, DOE/HQ  
(RW-20) FORS

### NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS FOR THE WEEK ENDING JULY 10, 1986.

#### I. Project Manager's Concerns

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

Issue	Status	First Report Date
1. Letter to Barrett dated December 24 requested which states are prepared to work in cooperative mode (informal agreement) with Transportation Department; also requested language that could be used in grant to the State in the area of transportation. (86-450)	Due January 13, 1986. Open. Philpott to call WMPO.	12/26/86
2. Request for Benson to define when site characterization phase actually begins. (86-517)	Due January 13, 1986. Awaiting memo from DOE/HQ confirming telecon with Benson.	01/15/86
3. 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
4. Letter to Knight dated February 13 requests clarification of proposed time frame for NRC Audit of WMPO before initiating site characterization; is it tied to a specific NWPA event? (86-715)	Due March 6, 1986.	02/20/86

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|---|---------------------|----------|
| 5. 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 |
| 6. Letter to Knight dated April 3 requests HQ guidance on HQ involvement in NRC/Project procedures for implementing Morgan-Davis agreement. (86-1032)   | Due April 15, 1986. | 04/10/86 |
| 7. Letter to Gale dated April 3 requests formal guidance on psychological factors related to monitoring and mitigation planning. (86-1029)  | Due April 24, 1986. | 04/10/86 |
| 8. Letter to Gale from Dixon dated April 18 requests clarification of guidance on OMB regulations governing collection of information by Federal agencies. (86-1107)  | Due May 9, 1986.    | 04/24/86 |
| 9. In a letter dated April 22 to D. Alexander, M. Blanchard requested that the Office of Geologic Repositories authorize the Project to deviate from baseline Document OGR/B-5. (86-1145)                     | Due May 13, 1986.   | 05/01/86 |
| 10. Letter to Don Alexander dated June 9 requests guidance for writing Chapter 8.6 (Quality Assurance (QA) of the Site Characterization Plan (SCP). (86-1396)   | Due June 30, 1986.  | 06/12/86 |

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| 11. Letter to Jim Knight dated June 11 asks what role his office will play in preparations for the Jack Perry (NRC) visit to Nevada that is tentatively scheduled for July 31 - August 1. (86-1438) | Due July 1, 1986.  | 06/19/86 |
| 12. 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 |

## II. Significant Accomplishments/Information Items

A stop work order was issued to Reynolds Electrical and Engineering Company, Inc. (REECo) for Nevada Nuclear Waste Storage Investigations (NNWSI) Project activities, by the Nevada Operations Office (NV) Assistant Manager for Administration on July 7. The suspension of work resulted from an usually high number of findings identified in a Quality Assurance (QA) audit on April 14-18, 1986. In addition, many findings identified during the previous year's audit had not been corrected or were repeated.

The final draft of the U.S. Geological Survey (USGS) QA Manual was completed and delivered to the USGS NNWSI Project QA Office. Following final review and acceptance by the QA Manager, the manual will be sent to the USGS Director's Office and to the Waste Management Project Office (WMPO). Because the NNWSI Project QA group is already quite familiar with the content of this manual, it is anticipated that the WMPO review and approval process should not require a substantial amount of additional work.

Sandia National Laboratories (SNL) has submitted QA Level Assignment Sheets (QALAS) with supporting documentation (modified Work Plans) as follows: QALAS packages were submitted for 16 Work Breakdown Structure (WBS) elements the week of June 16; QALAS packages were submitted for 9 WBS elements the week of June 23; and there are 18 QALAS packages still to be submitted.

Sections 6.0 through 6.3 of the Site Characterization Plan (SCP) were submitted to Science Applications International Corporation (SAIC) by Sandia on July 3. Section 6.4 will be submitted the week of July 14.

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Submission of this section will complete the sequestered write-in at Sandia and the group involved in this task will return to their permanent offices.

The summary version of the copper feasibility study was transmitted by Lawrence Livermore National Laboratory (LLNL) to WMPO and to DOE/HQ on July 1, 1986.

An LLNL abstract entitled "The Reaction of Glass During Gamma Irradiation in a Saturated Tuff Environment: Part V" was forwarded to NV for policy review on June 26. This abstract was prepared for submittal to the Materials Research Society Symposium to be held in Boston, MA, December 1-6, 1986. In addition, an abstract entitled "Copper Corrosion in Irradiated Environments. The Influence of H<sub>2</sub>O<sub>2</sub> on the Electrochemistry of Copper Dissolution in HCl Electrolyte" was forwarded to NV for policy review on June 26. This abstract was also prepared for submittal to the Materials Research Society Symposium to be held in Boston.

Another LLNL abstract entitled "Copper Containers for High-Level Nuclear Waste in a Tuff Repository" was forwarded to NV for policy review on June 30. This abstract was prepared for submittal to the National Association of Corrosion Engineers Corrosion/87 meeting to be held in San Francisco, March 9-13, 1987.

A draft of the report, "Petrographic Variation of the Topopah Spring Tuff Matrix Within and Between Cored Drill Holes, Yucca Mountain, Nevada," was submitted to WMPO for policy review by Los Alamos on June 27. This document fulfills Level 2 Milestone R320; it was delayed because the author was involved in writing and reviewing the SCP.

On Wednesday, July 8, Don Vieth took a group of U.S. Congressional Staff Members on a tour of Yucca Mountain.

### III. Upcoming Events

#### A. Coordination Group Meetings

<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
1. Tuesday, July 22.	QA Coordination Group	Denver, CO	J. Blaylock, WMPO

#### B. HQ Meetings

1. Tuesday-Wednesday July 15-16	State Grant Training (Don Vieth)	Washington, D.C.	B. West, WMPO
2. Wednesday-Friday, July 16-18	SCP Chapter 6 Review	Washington, D.C.	M. Blanchard, WMPO

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
3. Monday-Wednesday, July 21-23	Environmental and Regulatory Compliance Training Session	Washington, D.C.	B. Jankus, WMPO
4. Thursday-Friday July 24-25	EMMP Working Group	Seattle, WA	B. Jankus, WMPO
5. Tuesday-Thursday, August 5-7	Ben Rusche visit to Nevada (Tentative)	Las Vegas	B. West WMPO
C. <u>Internal Project and DOE/NV Meeting</u>			
1. Tuesday, July 15	DOE/NV Manager's Meeting	Las Vegas	B. West, WMPO
2. Monday-Friday, August 4-8	WMPO QA Audit	Las Vegas	J. Blaylock WMPO
3. Tuesday, August 5	SOC Meeting	Las Vegas	U. Clanton WMPO
4. Wednesday-Thursday, August 6-7	PM-TPO Meeting	Las Vegas	J. Fiore, SAIC
D. <u>State and Public Interaction</u>			
1. Tuesday-Wednesday, July 15-16	State Grant Training	Washington D.C.	B. West, WMPO
2. Tuesday, July 22	Japanese Citizens Tour of NTS	Las Vegas	B. West, WMPO
3. Tuesday-Wednesday, July 29-30	Consultation and Cooperation Training	Denver, CO	B. West, WMPO
E. <u>NRC Interaction</u>			
1. Thursday, July 31	DOE/NRC Draft Waste Acceptance Criteria Meeting (Tentative)	Washington D.C.	J. Szymanski, WMPO

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<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
2. Thursday-Friday, July 31-August 1	ACRS/NRC visit to Nevada	Las Vegas	J. Szymanski, WMPO

WMPO:WRD-1695



Donald L. Vieth, Director  
Waste Management Project Office