



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
WM DOCKET CONTROL
CENTER

'87 JUN -1 P1:14

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: May 29, 1987
SUBJECT: DOE Weekly Report

Please find enclosed the above-referenced report received in this office, i.e., for week ending May 22, 1987.

nan for PTP

Enclosure

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

WM Record File 102 WM Project 11
Docket No. _____
PDR
x LPDR (W)
Distribution: Coonan
REB MJB E. Tana
RDM Kennedy
(Return to WM, 623-SS) Bill
R Ballard PA/Homare H

8709080079 870529
PDR WASTE
WM-11 PDR

1434

87161271
WM Project: WM-11
PDR w/encl
(Return to WM, 623-SS)

Relief
WM Record File: 102
LPDR w/encl

H



Department of Energy

Nevada Operations Office

P. O. Box 14100

Las Vegas, NV 89114-4100

MAY 26 1987

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

NEVADA NUCLEAR WASTE STORAGE INVESTIGATIONS (NNWSI) PROJECT WEEKLY HIGHLIGHTS
FOR THE WEEK ENDING MAY 22, 1987

I. Critical Items Status

A. Stop-Work Orders

Lawrence Livermore National Laboratory (LLNL)--The status of the five remaining scientific investigation planning (SIP) documents and their associated Quality Assurance Level Assignments (QALAs) requiring Waste Management Project Office (WMPO) approval to rescind the stop-work provisions for these activities has not changed since the last Weekly Highlights Report, May 15, 1987.

SIPs approved by WMPO	5
SIPs in process	5

The WMPO will request a schedule from LLNL identifying dates for submission of the remaining 5 SIPs. A meeting has been scheduled for May 28 to review one of the remaining SIPs.

U.S. Geological Survey (USGS)--The four generic conditions identified as conditions for rescinding the stop-work order on technical and scientific activities have been satisfied. The lifting of the stop-work conditions is now incremental with the WMPO approval of the SIPs and associated QALAs. The status of the SIPs and QALAs is as follows:

SIPs approved by WMPO	3
SIPs submitted to the WMPO for approval	1
SIPs in process for current investigations	34
SIPs in process for future investigations	10

A meeting has been scheduled for June 2 and 3 to review eight of the SIPs.

MAY 26 1987

B. Site Characterization Plan (SCP)

The Higher Level Findings issues are being revised according to the DOE/HQ guidance given on May 1, 1987. These sections will be available for review no later than June 29.

The latest list of study plans, totaling 106, has been sent to project participants for their review along with a tentative schedule for submittal of study plans to the WMFO. The schedule focuses on the Exploratory Shaft (ES) construction phase, ongoing, and high-priority, first-year studies. Review of study plans at HQ is to begin May 25.

Summaries of the site programs for Section 8.2 are currently being developed and will be submitted to HQ on June 8.

Repository Radiological Design Criteria (Section 8.3.2.3) will not be available for the May 26 draft. This section will be submitted May 27.

A proposed list of intermediate milestones has been developed for Sections 8.5.1. through 8.5.4 showing connections between the milestones in 8.3 and higher level milestones shown on the summary schedule for 8.5. A meeting was held on May 15 to review the proposed lists. The lists and preliminary networks were presented to the Technical Project Officers (TPOs) on May 19 and are now under revision. This section will be available for review by June 8.

All of the revised SCP Section 8.3 text is in production and the project intends to meet the May 26 submittal of the revised SCP to HQ. A dual numbering system has been used at this time to preserve issue numbers for tracking. Studies and activities now have unique 8.3 section numbers.

The SCP glossary has undergone two internal reviews at SAIC and is currently in typing. An acronym and abbreviation list has also been prepared for inclusion in the glossary.

Reference verification is continuing.

C. Core Sample Management

The Title II drawings for warehouse #1 conversion to the Sample Management Facility (SMF) was completed. The SMF staff will review these drawings, and meet with the Nevada Test Site Support Office (NTSO) and Reynolds Electrical and Engineering Company (REECO) personnel on June 3 to finalize the drawings before construction begins. The current schedule calls for construction to begin around July 1.

Scientific Investigation Planning reviews of the prototype planning tests were conducted in cooperation with the USGS. The Review of the prototype tests is continuing with input to the WMFO scheduled for the near future.

MAY 26 1987

Work continued on the safety plan, procedure writing, and development of the CSITS computer program.

I-A. Project Manager's Concerns

A letter to Stein, dated May 18, 1987, requests that a choice be made between two alternative schedules that were developed for providing cost estimates for the characterization programs described in Section 8.3 of the NNWSI Project SCP. (87-1600)

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

Issue	Status	First Report Date
1. Letter to Knight dated March 25 requests HQ help in obtaining available U.S. Nuclear Regulatory Commission (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. January 20 letter to Stein transmits final version of letter report describing ongoing and planned site characterization activities. Requests approval to provide copies to state of Nevada at January 23 meeting. (87-749)	Due January 22, 1987	01/23/87
3. Letter to Smith dated March 10 requests the reference in the Procurement/ Contracting rules where a discussion of the Interface Agreements can be found. (87-1133)	Due March 26, 1987	04/03/87
4. Letter to Stein dated March 10 requests review and comment on revised background paper for meeting with the NRC. (87-1134)	Due March 11, 1987	04/03/87

MAY 26 1987

<u>Issue</u>	<u>Status</u>	<u>First Report Date</u>
5. Letter to Marks dated March 23 requests a list and short explanation of C&C items which have been brought up by the affected parties at workshops and meetings. (87-1209)	Due April 13, 1987	04/03/87
6. Letter to Kale dated March 26 requests review of the OGR WBS Revision (OGR/B-4). (87-1234)	Due April 1, 1987	04/03/87
7. Letter to Alexander dated April 10 requests clarification of an error in DOE/HQ letter regarding a Waste Package Performance Assessment meeting. (87-1338)	Due April 24, 1987	04/17/87
8. Letter to Cassella dated April 16 requests assistance in obtaining final signature on NNWSI Project charter. (87-1386)	Due May 7, 1987	04/24/87
9. Letter to Alexander dated April 24 requests (1) copies of the SCP to support a concurrence review of chapters 1-7 and (2) a distribution list for Chapter 8. (87-1439)	Due May 15, 1987	05/01/87
10. Letter to Kale dated April 30 requests expeditious final approval of NNWSI Project Quality Assurance Plan, NVO-196-17, Rev. 5. (87-1477)	Due May 20, 1987	05/08/87

MAY 26 1987

II. Significant Accomplishments/Information Items

Sandia National Laboratories (SNL) has reported that their personnel participated in an Exploratory Shaft Design and Construction meeting with the NRC on April 14 and 15, 1987. As a result of this participation, SNL has completed Milestone R963: "NRC Interaction Meeting on Exploratory Shaft Design and Construction." SNL has also issued a draft of the Reference Information Base (RIB) to controlled distribution; the RIB will ultimately become a project document. This action, which includes submittal to the WMPO for policy review, satisfies Milestone M765 (a precursor to MSA Milestone R092).

In addition to the milestone activities listed above, SNL has completed a report entitled "Sensitivity Analyses of Underground Drift Temperature, Stresses and Safety Factors to Variations in the Rock Mass Properties of Tuff for a Waste Repository at Yucca Mountain, Nevada." Internal approvals have been obtained for this document and comments have been incorporated. Submittal of the report to the WMPO has satisfied Milestone P218 and subsequent transmittal to the Office of Geologic Repositories (by the WMPO) will satisfy Milestone N457.

Acting on an NRC request for information on the thickness of the Calico Hills stratigraphic unit, project staff have reviewed published and unpublished documents, and have prepared maps and cross sections depicting the thickness of the Calico Hills and adjoining units.

Don Vieth conducted a tour of the Nevada Test Site (NTS) on Friday, May 23, for representatives of the U.S. Senate Committee on Energy and Natural Resources.

Fenix & Scisson, Inc. has reported submittal of two special studies to the WMPO for acceptance and approval. These items included the following: (1) Revision 1, Special Study No. 3, ESF Excavation Methods, and (2) Revision 1, Special Study No. 9, ESF Compressed Air System.

III. Upcoming Events

	<u>Date</u>	<u>Event</u>	<u>Location</u>	<u>Contact</u>
A. <u>Coordinating Group Meetings</u>	None to report			
B. <u>HQ Meetings</u>				
1.	Tuesday, May 26 -Friday, June 5	SCP Review	Washington, DC	U. Clanton, WMPO

MAY 26 1987

Stephen H. Kale

-6-

C. Internal Project and NV Meetings

- | | | | |
|----------------------------------|---|--------------------|-----------------------|
| 1. Tuesday-Friday,
May 26-29 | QASC audit of SNL | Albuquerque,
NM | J. Blaylock,
WMPO |
| 2. Wednesday-Friday
May 27-29 | Calcite-silica peer
review (tentative) | Las Vegas,
NV | M. Blanchard,
WMPO |
| 3. Thursday-Friday
May 28-29 | SCP Chapter 7
review | Las Vegas,
NV | U. Clanton,
WMPO |
| 4. Tuesday,
June 2 | Sample Overview
Committee meeting | Las Vegas,
NV | U. Clanton,
WMPO |
| 5. Tuesday,
June 16 | DOE/NV Manager's
Meeting | Las Vegas,
NV | B. West,
WMPO |

D. State and Public Interaction

- | | | | |
|-------------------------------------|---|------------------|--------------------|
| 1. Wednesday-Thursday,
May 27-28 | First Repository,
States, and Indian
Tribes meeting | Las Vegas,
NV | M. Kunich,
WMPO |
| 2. Friday,
May 29 | NTS tour for
representatives
from the states
and Indian tribes | NTS | M. Kunich,
WMPO |

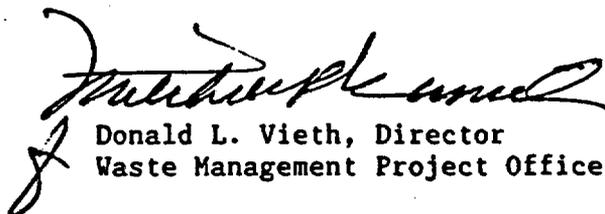
E. NRC Interaction

- | | | | |
|-------------------------------|---------------------------------|-------------------|--------------------------|
| 1. Monday-Friday
June 8-12 | NRC Mini-Audit
at Los Alamos | Los Alamos,
NM | D. Oakley,
Los Alamos |
|-------------------------------|---------------------------------|-------------------|--------------------------|

F. Other

None to report.

WMPO:WRD-1827


Donald L. Vieth, Director
Waste Management Project Office