



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 29, 1996

MEMORANDUM TO: Central File

FROM: Sandra L. Wastler
Performance Assessment & HLW
Integration Branch
Division of Waste Management, NMSS

SUBJECT: SUBMITTAL OF DOCUMENTS

The following documents have been received from the U.S. Department of Energy, either directly or through the U.S. Nuclear Regulatory Commission's On-Site Representatives and should be placed in the High-Level Waste, Yucca Mountain Subject file:

1. Page Changes to Work Breakdown Structure, Index and Dictionary - Annex II to the Project Management Plan dated 3/1/96 and 4/19/96.
2. Yucca Mountain Site Characterization Office Weekly Highlights dated 4/5/96.
3. Preliminary Draft Report entitled "Coordinated ESF Construction-Phase Testing and Monitoring Program."
4. Preliminary Draft Report entitled "Systematic Sampling for Chlorine-36 in the Exploratory Studies Facility."
5. Map of Selected Test Pits and Preliminary Surficial Deposits Map.

Attachment(s): As stated

CONTACT: Sandra Wastler, NMSS/DWM
415-6724

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DATE 03/01/96		
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Description of Document(s)

TITLE	DOCUMENT IDENTIFIER	EFFECTIVE DATE	NO. OF SHEETS
YMP/CC-0001 Rev. 02/29/96 ICN 0 YUCCA MOUNTAIN PROJECT WORK BREAKDOWN STRUCTURE INDEX AND DICTIONARY-ANNEX II TO THE PROJECT MANAGEMENT PLAN		02/29/96	

Instructions/Remarks

Please incorporate changes required per the instructions
of this CDI on the effective date noted.

ATTACHED YOU WILL FIND THE FOLLOWING REVISION CHANGES TO:
YMP/CC-0001, YUCCA MOUNTAIN PROJECT WORK BREAKDOWN
STRUCTURE INDEX AND DICTIONARY - EFFECTIVE DATE 02/29/96

REPLACE: VOLUME 1 TITLE PAGE DATED 12/18/95 WITH ATTACHED
VOLUME 1 TITLE PAGE DATED 02/29/96

REPLACE: DOCUMENT CHANGE NOTICE (DCN) PAGES 1 THRU 69 WITH
DOCUMENT CHANGE NOTICE (DCN) PAGES 1 THRU 70

INSERT: CHANGE DIRECTIVE CR 96/020 DIRECTLY BEHIND DCN
PAGE 70

INSERT: TABLE I. DIRECTLY BEHIND CR 96/020

REPLACE: YMP WORK BREAKDOWN STRUCTURE PAGE 1-3 WITH
ATTACHED YMP WORK BREAKDOWN STRUCTURE PAGE 1-3

Receipt Acknowledgement

NAME	SIGNATURE	DATE
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Contact the Document Center staff member named below with any questions regarding these instructions.

BY DCC LAS VEGAS	LOCATION TES3/423	PHONE (702) 295-5464
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Controlled Document Instructions

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Description of Document(s)

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Instructions/Remarks

***NOTE: YMP WORK BREAKDOWN STRUCTURE IS BEHIND
INTRODUCTION TAB***

REPLACE: YMP WBS INDEX AND DICTIONARY PAGES 1 THRU 29 WITH
YMP WBS INDEX AND DICTIONARY PAGES 1 THRU 28

REPLACE: VOLUME 2 TITLE PAGE DATED 12/18/95 WITH ATTACHED
VOLUME 2 TITLE PAGE DATED 02/29/96

***PLEASE REFER TO THE ATTACHED DCN FOR SPECIFIC PAGE
CHANGES/ADDITIONS/DELETIONS***

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Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
Las Vegas, NV 89193-8608

APR 08 1996

*McClellan letter dated
4/29/96*

9605080111 960429

Daniel A. Dreyfus, Director, Civilian Radioactive Waste Management,
HQ (RW-1) FORS

YUCCA MOUNTAIN SITE CHARACTERIZATION OFFICE WEEKLY HIGHLIGHTS FOR THE WEEK
ENDING APRIL 5, 1996 (SCPb: N/A)

I. FORECAST OF SIGNIFICANT EVENTS

A. Assistant Manager for Engineering and Field Operations

No significant items to report.

B. Assistant Manager for Scientific Programs

No significant items to report.

C. Assistant Manager for Environment, Safety, and Health

The first quarter, calendar year 1996, Underground Injection Control Permit Quarterly Report will be submitted to the Nevada Division of Environmental Protection, in accordance with Yucca Mountain Project Underground Injection Control Permit requirements by April 22, 1996.

D. Assistant Manager for Suitability and Licensing

No significant items to report.

E. Assistant Manager for Administration

No significant items to report.

F. Office of Public Affairs

No significant items to report.

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II. CRITICAL ITEM STATUS

A. Assistant Manager for Engineering and Field Operations

- * The Tunnel Boring Machine advanced 118 meters to Station 47+86.6 meters or 15,700 feet as of 8 a.m., April 8, 1996. The Tunnel Boring Machine is 1,393.9 meters or 4,573 feet ahead of schedule. In time, this equates to approximately 127 days ahead of schedule. Ground conditions changed from Category 4 to Category 1 during the week. Excavation of the Heater Test Alcove has stopped at 53.3 meters from the centerline of the tunnel while work continues on the Thermal Mechanical Room (excavated in the right rib of the Heater Test Alcove at Station 40.2 meters) which is now in 24.2 meters and is complete. Six core holes have been drilled in the Access/Observation Drift while the excavation of the Thermal Mechanical Room was being excavated.

B. Assistant Manager for Scientific Programs

No critical items to report.

C. Assistant Manager for Environment, Safety, and Health

No critical items to report.

D. Assistant Manager for Suitability and Licensing

No critical items to report.

E. Assistant Manager for Administration

No critical items to report.

F. Office of Public Affairs

No critical items to report.

III. GENERAL INFORMATION ITEMS

A. Assistant Manager for Engineering and Field Operations

No items to report.

- * Asterisks indicates those items we suggest for input to the Secretary's Weekly Report.

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B. Assistant Manager for Scientific Programs

- * Core drilling of instrumentation holes was initiated on April 2, 1996, on the south wall of the Exploratory Studies Facility Thermal Test Access Observation Drift. Nine of thirty-five planned instrumentation holes approximately 20 feet in depth will be drilled at this location for the Thermomechanical Test. The instrumentation holes will be used to collect hydrology, chemistry, and rock properties data, both before and after the heating phase.
- * The "Seamist" temporary air pressure monitoring and sampling system was installed in Borehole SD-7 on April 2, 1996, and was operational the following day. This system was first tested and proven successful on Borehole NRG-5 as a substitute for the permanent in-situ pressure monitoring system used in other boreholes to detect passage of the Tunnel Boring Machine. Installation to a depth of 800 feet in SD-7 represents a world record. Approximately 11 stations will be available for monitoring pressure changes and for gas sampling. The two-day installation time for this system is in contrast to approximately two weeks' installation time, plus significant above-ground facility construction costs required for the permanent (grouted) monitoring system.

The non-reactive tracer test at C-Well Complex (first phase of testing) was concluded March 29, 1996, with the shutdown of pumping at Borehole C-3. This portion of the testing is considered a success based on the development of a recovery curve plotted from C-3 data for the sodium iodide tracer injected at C-2 and on a total tracer recovery calculated to be in the 20-25 percent range. Water level recovery continues to be monitored in the three boreholes while equipment is being setup to reconfigure the boreholes. The reconfiguration is for the next phase of testing that will investigate reactive tracer movement. This phase of testing will begin near May 1, 1996, and will also include use of microspheres to simulate colloid movement between C-1 and C-3.

- * Asterisks indicates those items we suggest for input to the Secretary's Weekly Report

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- * After 55 hours, pumping was terminated at Borehole G-2 on February 8, 1996. Fluid level recovery has been continuously monitored to confirm drawdown test information, determine if any perched water could be discerned, and allow the aquifer to completely recover prior to further testing. As of March 26, 1996 (49 days of recovery), the fluid level had fully recovered to its pretest level. Test data do not appear to be conclusive; consequently, a longer term pump test (10+ days) is scheduled to begin April 8, 1996, to further test the same test interval. This longer test should allow investigators to "see" farther from the borehole to investigate potential boundaries that could indicate limited aquifer (perched water) effects and, therefore, influence interpretation of the large hydraulic gradient.

C. Assistant Manager for Environment, Safety, and Health

A permit modification to the Underground Injection Control Permit was received from the State of Nevada, Division of Environmental Protection. This modification provides approval for additional tracers for the C-Well complex testing program.

Emergency Planning and Community Right to Know Act Section 311 Report was submitted to the State Emergency Response Commission, the local Emergency Planning Committee, and the Nye County Fire Department. The Emergency Planning and Community Right to Know Act Section 311 Report gives the status of Yucca Mountain Project toxic and extremely hazardous substances.

Environmental compliance and safety surveillances were conducted at the Yucca Mountain site, ensuring compliance with permit and programmatic requirements.

D. Assistant Manager for Suitability and Licensing

No items to report.

E. Assistant Manager for Administration

No items to report.

- * Asterisks indicates those items we suggest for input to the Secretary's Weekly Report

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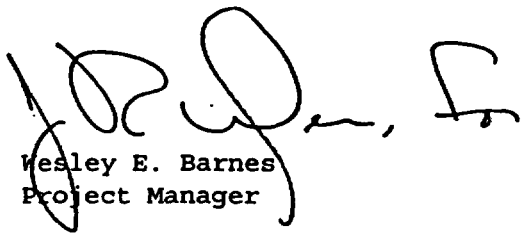
F. Office of Public Affairs

- * The staff met with Eureka and White Pine County officials to discuss future interactions between those counties and the U.S. Department of Energy. Information collected at these meetings will be incorporated into the Affected Units of Government Interaction Plan.

G. Participants

Civilian Radioactive Waste Management System Management and Operating Contractor

- * A Technical Integration Group was formed. The Technical Integration Group was composed of the Civilian Radioactive Waste Management System Management & Operating Contractors (Las Vegas and Vienna), Nevada Operations Managers, and a representative from each of the national laboratories, and the U.S. Geological Survey. The group will be chaired by the Civilian Radioactive Waste Management System, Management & Operating Contractor's Deputy of Technical Programs. The group will address and resolve technical integration issues such as those pointed out by Yucca Mountain Site Characterization Office with regard to the development and review of the Repository Advanced Conceptual Design.


Wesley E. Barnes
Project Manager

AMSL:CLH-1529

- * Asterisks indicates those items we suggest for input to the Secretary's Weekly Report.

APR 08 1995

cc:

H. H. Brandt, HQ (RW-15) FORS
J. C. Bresee, HQ (RW-10) FORS
A. B. Brownstein, HQ (RW-36) FORS
M. A. Ferguson, HQ (RW-34) FORS
R. A. Milner, HQ (RW-30) FORS
L. H. Barrett, HQ (RW-2) FORS
Samuel Rouso, HQ (RW-40) FORS
J. D. Saltzman, HQ (RW-30) FORS
David Langstaff, RL
William Belke, NRC, Las Vegas, NV
Ron Pope, ORNL, Oak Ridge, TN
Florindo Mariani, White Pine County, Ely, NV
L. W. Bradshaw, Nye County, Tonopah, NV
W. L. Offutt, Nye County, Tonopah, NV
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA
V. E. Poe, Mineral County, Hawthorne, NV
Jason Pitts, Lincoln County, Pioche, NV
Lander County Board of Commissioners, Battle Mountain, NV
Eureka County Board of Commissioners, Eureka, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
D. A. Bechtel, Clark County, Las Vegas, NV
Cyril Schank, Churchill County, Fallon, NV
B. R. Mettam, Inyo County, Independence, CA
Intertech Services Corp., Las Vegas, NV
A. C. Douglas, City of Las Vegas, Las Vegas, NV
Donald Schweitzer, BNL, Upton, NY
R. D. Dresser, Weston, Washington, DC
J. L. Smith, Occidental, CA
David Howell, IG, Las Vegas, NV
C. A. Johnson, NWPO, Carson City, NV
R. R. Loux, NWPO, Carson City, NV
C. J. Henkel, NEI, Washington, DC
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