



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

QA: N/A

SEP 26 1994

William B. Simecka, Assistant Manager, for Engineering and Field Operations, YMSCO, NV

YUCCA MOUNTAIN SITE OFFICE (YMSO) ACTIVITIES REPORT (SCPB: N/A)

The following are the significant activities from September 3, 1994 through September 16, 1994:

1. FIELD OPERATIONS CENTER

A. Management and Administration

- a. Provided administration, operational, logistical support during this period to the following tours: Nuclear Waste Documentary Project; Sports Afield; Historically Black Colleges and Universities; YMP Orientation; Doe Office of Economic Impact and Diversity.
- b. Processed 16 work order and 43 photographic services requests.
- c. Prepared 56 badging requests for site visits and daily field work.
- d. Worked with personnel from Kenwood Labs on installation of VARS hardware and software.
- e. Coordinated office moves of FOC Building Participants.
- f. Imported and projected new road data into GIS System.
- g. Prepared and transmitted Daily Operations Reports to NORSOC, and biweekly Reports to HQ OCRWM.
- h. Provided operations, administrative, and security support to the Yucca Mountain Site Manager and his DOE staff, including support and escort of tours.
- i. Provided logistical support by issuing vehicles, first-aid kits, fire extinguisher, and other necessary equipment to personnel performing field duty in the YMP area of operations.
- j. Provided operational and administrative support for Site Characterization activities in the field.
- k. Supported Saturday and shift coverage of FOC for Area 25 activities.
- l. Provided Weekly Activity Report of YMP construction to Site Manager.
- m. Completed O&M Conduct of Operations Procedure draft.
- n. Completed response to SP 1.35 comments on YAP 12.2Q, "Operations and Maintenance of Exploratory Studies Facility Test Equipment".
- o. Prepared modifications to Field Change Request 92-08, "Soil and Rock Properties Phase II Test Pits".
- p. Prepared modifications to functional requirements of JP 94-14, "Construction of Drill Pad and Refurbishment of Access Road to Borehole UZ-7A"

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- q. Completed work order requests for fabrication of borehole caps and plugs for the borehole security program.
- r. Site Manager Convened the Field Change Control Board on 9/7/94.
- s. Site Manager and members of the YMSO Space Utilization Committee are finalizing the functional/organizational users of the two relocated buildings from Area 3 to the ESF Pad. The principal users/occupants will be the M&O; REECO; DOE/YMSCO; LANL, USBR; USGS; SNL and LLNL. A presentation will be made to the respective occupants prior to mid October.

B. Field Safety & Health

- a. Conducted follow-up investigation of employee developing asthmatic condition when exposed to vapors during remodeling Logistics in the FOC.
- b. Reviewed and provided input for revision draft of Kiewit/PB Technical Control Procedure TCP-2.21, "Diesel Engine Emissions Testing, Monitoring, and Control" procedure.
- c. Reviewed CRWMS/M&O YMP Tunnel Boring Machine Safety Analysis, BABFBA 000-01717-0200, Rev. 0.
- d. Conducted diesel gas emissions sampling at exhaust stack of Miller Trailblazer 55D Generator (#77664) outside of North Portal, and at CS 0+00, CS 1+00, and CS 1+50 at breathing zone levels.
- e. Attend the Site Manager's Update Meeting and the Field Test Coordination Meeting held at the FOC.
- f. Reviewed and provided technical comments to CRWMS M&O PPD for draft YAP-30.30 A/O, "Industrial Hygiene".

2. RAYTHEON SERVICES NEVADA, (RSN)

A. Field Support

- a. Located and set grades on UZ-7A Drill pad.
- b. As built underground utilities at ESF .
- c. As built of Facilities at the ESF.
- d. As built monitoring points at the Box Cut.
- e. Located an environmental clearance area at the FOC
- f. Supported Yucca Mountain Survey Control.

B. Quality Control

- a. Performed verification activities at C-Well Complex Water pipeline.

3. T&MSS QUALITY ASSURANCE, (SAIC)

- A. Performed verification of drilling activities on SD-12.**

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- A. Performed verification of drilling activities on SD-12.
- B. Performed verification of drilling activities on Seismic Reflection shothole SRS 203.
- C. Performed verification of drilling activities on SD-9.
- D. Performed verification of activities at UZ-16 Grout Pump Study.
- E. Performed verification of drilling activities at NRG-6.

4. SAMPLE MANAGEMENT FACILITY (SMG/SAIC)

- A. Supported drilling activities on USW SD-12. Sampled and processed core to 1,435.3 feet. Currently drilling in the Calico Hills Formation.
- B. Supporting drilling activities on SD-9. Sampled and processed core to 1,916.1 feet.
- C. Supported drilling activities on NRG-6. Existing borehole diameter is being expanded. Collected ream samples to a depth of 804.2 feet, currently in the Prow Pass Formation.
- D. Conducted 15 core examinations at SMF for USGS, and SNL.
- E. Created specimens from core samples for analysis by PI's. Accepted 53 Fran Ridge large block samples from LLNL
- F. Transferred technical data acquired through sample collecting and handling to SNL.
- G. Completed work related to Drilling Support and Sample Management Department transition from YMSCO QA Program to T&MSS QA Program
- H. Completed testing of grout tubes at UZ-16. Continued work on UZ-16 work programs to clean out borehole to install geophones and stem hole with grout and sand
- I. Submitted draft copy of Interim Change Notice for WI-DE-001, "Work Programs" to T&MSS QA for review.

5. YMP HYDROLOGIC RESEARCH FACILITY, (USGS)

A. Geologic Studies Program

- 1. Examined and logged drill core at the SMF.
- 2. Examined the stratigraphic section at Prow Pass.

B. Saturated Zone

- 1. Measured water levels in UZ-14 and J-11. Data downloaded at G-2, H-1, H-3, H-4, H-5, H-6, UE-25p #1, WT-1, WT-3, WT-4, and WT-14.

C. Unsaturated Zone

- 1. Monitored grout test retrieval and sampling work at UZ-16.
- 2. Continued air permeability testing in ESF radial borehole # 2.
- 3. Completed air permeability tests in NRG 7/7A, Packers were removed from hole.

6. REYNOLDS ELECTRICAL AND ENGINEERING CO., (REECo)

A. Drilling

- a. NRG-6; set 10 3/4 inch casing to 10 feet, opened hole to 517.17 feet to 8 1/2 inch casing.
- b. SD-9; cored to 1,845.06 feet.

B. Logistics

- a. Assisted in the conducting of tours which were being held during this time period.
- b. Requisitioned needed supplies and arranged for services needed in the operation of the Field Operation Center (FOC) and related facilities.

C. Construction

- a. TBM assembly
 1. Continued fine tuning of Electrical, Hydraulic, and Control Systems.
- b. Precast Yard
 1. Precast yard now complete with exception of steam plant.
 2. Worked on piping for steam curing system.
- c. North Portal Pad
 1. Surface construction continues with the water, power and sewer being installed.
 2. Eight of the Area 3 trailers have been relocated to the pad.
 3. Work on lower pad continues and sewer trenches being dug with sewer pipes and manholes being installed.
 4. Formed Switchgear Trench walls.
 5. Finished ballasting track.
- d. Water Line
 1. Started construction of line from pump station to top of Exile Hill.
 2. Continue to grade for Water Tower Pad and trenching for water line
- e. SD-7
 1. Setting Anchor Holes.
- f. Fran Ridge
 1. Completed excavation to subgrade.
 2. Erection of scaffolding completed.

7. LOS ALAMOS NATIONAL LABORATORY, (LANL)

- A. Kiewit move TBM to within 1 meter of the face of Starter Tunnel.
- B. The total underground usage of tracer water is 1,859.1 kiloliters (491,132 gallons).
- C. SNL continues to monitor MPBX gauges, and rockbolt load cells. With TBM moved to the face SNL Field Team unable to measure convergence pins.
- D. Excavation around Large Block completed, Environmental representatives from State of Nevada conducted inspection of Fran Ridge.
- E. Representatives from SNL, USGS/USBR, M&O and RSN viewed the west face and recommended additional work for long term stabilization of the Face.

8. FIELD CHANGE CONTROL. (CRWMS M & O)

- A. Total number of FCR's submitted during period: 33
- B. Total number of FCR's closed during period: 14
- C. Total number of FCR's remaining open: 11

9. DOCUMENTS AND RECORDS CENTER. (CRWMS M & O)

JOB PACKAGES

YMP/JP 93-05, Rev. 1	OBSOLETE
YMP/JP 93-09, Rev. 1	OBSOLETE
YMP/JP 93-12, Rev. 0	OBSOLETE

FCR's

FCR 94/389	"Sanitary Sewer Modification on Package 1A & 1B".
FCR 94/390	"Resistor Grounding Details and Deletion of PVC Sleeves".
FCR 94/391	"Change ASTM Designation for Welded Wire Fabric".
FCR 94/392	"Slump Dimension Relief".
FCR 94/395	"Identification of QA Requirements for Transformer PVC Liners & Volume Containment Dimensions".
FCR 94/396	"Instrument Cable Specification Revisions".
FCR 94/397	"Addition of Cable Specifications for Water Distribution System (Supersedes portion of FCR 94/337)".
FCR 94/401	"Unit Heater Model Number Clarification for the Booster Pump Station".
FCR 94/404	"Revisions to Subsurface Power Center Enclosure Foundation".
FCR 94/406	"Add General Concrete Finishes Notes".
FCR 94/407	"Correct Detail 2 for Proper Reference Section".

VENDOR DOCUMENTS

BABFAE000-01717-6300-15486-VD-01-0
BABFAE000-01717-6300-15486-VD-02-0

DRAWINGS

BABBD0000-01717-2100-20028, Rev. 2
BABEAD000-01717-2100-40100, Rev. 1
BABEAD000-01717-2100-40104, Rev. 1
BABEAD000-01717-2100-40110, Rev. 1
BABEAD000-01717-2100-40120, Rev. 1
BAB000000-01717-10000-00001, Rev. 0

SPECIFICATIONS

BAB000000-01717-6300-01400, Rev. 2
BAB000000-01717-6300-01014, Rev. 1
BAB000000-01717-6300-01501, Rev.1

DOCUMENTS ISSUED:

822 controlled documents

- 345 FCR's
- 272 DRWG's
- 103 JP's
- 90 SPEC's
- 12 VENDOR

309 uncontrolled documents

REPRODUCTION

12,039 Pages copied
376 Drawings copied

DTAR LOGOFF's:0

10. FIELD TRAINING (SAIC)

- A. GET 1.5 Refresher Training; 12 students passed
- B. ESF Visitor Training briefing for 6 people
- C. Standard First Aid/CPR provided for 10 people.
- D. GUT Training Conducted; 10 people attended.

Winfred A. Wilson

Winfred A. Wilson, Site Manager for
Assistant Manager for Engineering
and Field Operations