



Department of Energy

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

WBS: 1.2.7.3
QA: N/A

JUL 19 1994

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

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

The following are the significant activities from June 25, 1994 through July 8, 1994:

1. FIELD OPERATIONS CENTER

A. Management and Administration

- a. Provided administration, operational, logistical support during this period to the following tours: DOE/YMSCO Employees, YMP Orientation; Inyo County; TRW; British Broadcasting Corp; University of Georgia.
- b. Reviewed YMP-FOI-5504, "Primary Accumulation Area Operations".
- c. Inspected Area 25 Structures for damage from the 3.9 Quake that occurred on July first.
- d. Processed 6 work order and 32 photographic services requests.
- e. Prepared 67 badging requests for site visits and daily field work.
- f. Received review input on draft B of SP 1.3, "Occurrence Reporting and Processing of Operations".
- g. Worked with T&MSS in the BofA to reinstate YMP badging at the site.
- h. Coordinated the photographic coverage of TBM assembly and ESF North Portal operations.
- i. Prepared and transmitted Daily Operations Reports to NORSOC, and biweekly Reports to HQ OCRWM.
- j. Provided operations, administrative, and security support to the Yucca Mountain Site Manager and his DOE staff, including support and escort of tours.
- k. 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.
- l. Provided operational and administrative support for Site Characterization activities in the field.
- m. Supported shift coverage of FOC for Area 25 activities.
- n. Provided Weekly Activity Report of YMP construction to Site Manager.
- o. Attended the Space Utilization Committee meeting in Mercury to assist Site Manager on acquiring additional facilities to be used as office space.
- p. Site Manager prepared the Job Package Authorization Letter for JP 94-08, "Construction of Access Road and Drill Pad for Borehole USW SD-7". This was with the required Field Operations Permit. JP Authorization was pursuant to receipt of the Notice-to-Proceed with JP attached from the DOE/YMSCO Deputy Project Manager.

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- q. Site Manager received verbal approval on 6/29/94 from the Director, NTSO to utilize the following facilities at NTS: RSN Office Facility Complex, Bldg 3C-65 in Area 3; LANL WX-6 Office Complex, Bldg 3C-59 in Area 3; The fabric covered Warehouse in Area 2; and the existing Fire Station in Area 25. This was pursuant to approval and recommendations of the NTS Space Utilization Committee. The Forward Area facilities will be relocated to the "Ranch" in Area 25.

B. Field Safety & Health

- a. Conducted air quality survey for SF6 in the Main Tunnel and Test Alcove #1, Breathing Zone and Ground Level samples were taken at each location.
- b. Measured air quality during confine space entries into manhole PG at the ESF pad for pulling string through electrical conduits in the vaults. A Coppus blower was used to ventilate the vaults.
- c. Provided IH input to LANL work package for additional radial boreholes for Hydrochemistry Tests in Test Alcove #1.
- d. Provided Kiewit copies of regulation and standard for Eyewash Stations.
- e. Provided REECo Safety with copy of HPD/IHFOS Procedure "Determination of Air Quality/Airborne Contaminants".
- f. Conducted noise level measurements of the Failing Stratmaster Drill Rig and associated equipment at SD-9.
- g. Measured air quality during confined space entry into drum of a 8 yard transit mix truck (NTS 70793) at the Batch Plant.
- h.. Attend the Site Manager's Update Meeting, YMP Safety and Health Advisory Committee Meeting, and the Field Test Coordination Meeting held at the FOC.

2. RAYTHEON SERVICES NEVADA, (RSN)

A. Field Support

- a. Set environmental clearance at Drillhole UZ-7A.
- b. Layout survey of South Tunnel alignment
- c. Layout of North grid at Drillholes SD-9 and SD-12.
- d. As-built survey of N-48, N-49, and UZ-8.
- e. Support of the Yucca Mountain Survey Control.
- f. As-built ESF underground utilities.

B. Quality Control

- a. Performed verification of drilling activities on SD-12.
- b. Performed verification activities at C-Well Complex Water pipeline.
- c. Performed verification activities at SD-9.
- d. Performed evaluation of RVC's as part of remedial action on CAR YM-94-022.
- e. Performed verification activities at Ghost Dance Fault Trenches.

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3. SAMPLE MANAGEMENT FACILITY (SMG/SAIC)

- A. Supported drilling activities on USW SD-12. Sampled and processed core to 1,092.3 feet. Currently drilling in the Lower Lithophysal Zone of the Topopah Springs Member.
- B. Supported split shift drilling activities on USW SD-9. Sampled and processed core and cuttings to 1,487.6 feet. Currently drilling in the Calico Hills Member.
- C. SMF processed core and cuttings from drilling activities. Accepted 10 soil samples collected by T&MSS Radiological/Environmental Field Programs.
- D. Conducted 28 sample examinations at SMF for USGS, SNL, and LANL
- E. Completed borehole prognosis for USW NRG-3.

4. YMP HYDROLOGIC RESEARCH FACILITY, (USGS)

A. Geologic Studies Program

- a. Logged and mapped in Alice Ridge A#1 Trench.
- b. Collected lithologic samples on Yucca Crest and in Solitario Canyon.
- c. Supervising excavation of the Ghost Dance trench on Whaleback Ridge, and repair and restoration of Trench 4 in Split Wash and Trench 2 in Drillhole Wash.
- d. Observed the progress of the Tunnel Boring Machine.
- e. Continue mapping work on Ghost Dance Fault.
- f. Collected carbonate samples from trenches in Crater Flat for radiometric dating.

B. Saturated Zone

- a. Measured water level in J-12, J-13, and USW UZ-14. Data was downloaded at USW H-5. Transducers were calibrated in USW H-5 and USW H-1.
- b. Worked on Borehole instrumentation in Crater Flats.

C. Unsaturated Zone

- a. Collected systematic samples from rock cut at NRG-5 drill pad.
- b. Collected gas samples and maintained equipment in the field.
- c. Set up equipment for air permeability testing of NRG-7/7A.
- d. Viewed SMF core handling and packaging procedures.

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

A. Drilling

- a. SD-12; cored to 1,120.82 feet, reamed from to 1,100.72 feet.
- b. SD-9; cored to 1,489.16 feet. Ran bailer when wet core encountered, no fluid in bailer. Ran LLNL camera to check for fluid in hole, hole was dry.
- c. Moving equipment on to NRG-6.

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. Requisitioned and received 40,000 lbs of ice for concrete pour, and 33,000 lbs of Drinking water ice. Assisted USGS in locating two unassembled prefab building they plan to use for additional storage space.

C. Construction

- a. Starter Tunnel
 1. Formed and poured Stub Walls.
 2. Tied rebar and formed Gripper Walls.
 3. Poured Invert Gripper Pad.
- b. TBM assembly
 1. Worked on Erector Ring.
 2. Installed Cutter Head.
 3. Continued work on electrical wiring.
 4. Continued work on Muck Dump.
 5. Completed Runway concrete.
 6. Began prewalk tests.
 7. Installed Cutter Head shim and retorqued bolts.
 8. Welding on fourth segment of Cutter Head.
 9. Started to work CTS Punchlist.
- c. Precast Yard
 1. Completed final grading.
 2. Worked on Utilities.
- d. North Portal Pad
 1. Continued work on underground utilities.
 2. Poured part of Raceway trench floor in Switchgear Building.

6. LOS ALAMOS NATIONAL LABORATORY, (LANL)

- A. Kiewit continued installing rebar and first lift poured for launch chamber. SAIC installed radon monitoring equipment in Test Alcove.
- B. The total underground usage of tracer water by REECo is 1,840.6 kiloliters (486,243 gallons).
- C. SNL installed the borehole pressure cells located at the right rib/face intersection of the ESF. The SNL Field Team identified sleeve to extend the Multipoint Borehole Extensometer gauge outside the launch chamber pour. Kiewit installed the sleeve. A total of 8 convergence pins were installed in the invert.
- D. Excavation around Large Block continued, depth is now 3 meters (10 feet) from the top of the block. REECo commenced line drilling around the Large Block. LLNL took rock samples. Removal using a drill jumbo to drill presplit holes and rock splitter to break sample free was successful. SNL Field Team mapped Dye-Test areas 1, 2, and 3.

7. DOCUMENTS AND RECORDS CENTER, (CRWMS M & O)

JOB PACKAGES

YMP/JP 91-09, Rev. 3,
YMP/JP 94-08, Rev. 0,

OBSOLETE
"Construction of Access Road and Drill Pad for
Borehole USW SD-7".

FCR's

FCR 92/113	OBSOLETE
FCR 92/114	OBSOLETE
FCR 92/137	OBSOLETE
FCR 92/144	OBSOLETE
FCR 93/036	OBSOLETE
FCR 93/181	OBSOLETE
FCR 93/484	OBSOLETE
FCR 94/254	"12.4 KV Switchgear Concrete Pad Modification".
FCR 94/255	"Pipe Supports Change to the Booster Pump Station".
FCR 94/258	"Extend Phase I Drilling Depth Beyond Approximately 1,000 Feet in Borehole USW SD-9".
FCR 94/259	"Requirements for As-Builts Submittal".
FCR 94/260	"Add Type 'HSL' Anchor Bolt".

DRAWINGS

BABCG0000-01717-2100-20086, Rev. 0,	OBSOLETE
BABCG0000-01717-2100-20087, Rev. 0,	OBSOLETE
BABCG0000-01717-2100-20088, Rev. 0,	OBSOLETE
BABBA0000-01717-2100-20012, Rev. 1	
BABBA0000-01717-2100-20014, Rev. 1	
BABBA0000-01717-2100-20015, Rev. 1	
BABBA0000-01717-2100-20022, Rev. 1	
BABBA0000-01717-2100-20023, Rev. 1	
BABBA0000-01717-2100-20024, Rev. 1	
BABBA0000-01717-2100-20025, Rev. 1	
BABBA0000-01717-2100-20026, Rev. 0	
BABBA0000-01717-2100-20027, Rev. 0	
BABBA0000-01717-2100-20035, Rev. 1	
YMP-025-1-CIVL-PL119, Rev. 3	
YMP-025-1-CIVL-PL121, Rev. 3	
YMP-025-1-CIVL-PL127, Rev. 2	
YMP-025-1-CIVL-PR124, Rev. 2	
YMP-025-1-CIVL-PR125, Rev. 2	
YMP-025-1-CIVL-PR126, Rev. 2	
YMP-025-1-CIVL-PR128, Rev. 0	
YMP-025-1-CIVL-PL140, Rev. 0	
YMP-025-1-CIVL-PR127, Rev. 1	

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- YMP-025-9-MING-MI200, Rev. A
- YMP-025-9-MING-MI201, Rev. A
- YMP-025-9-MING-MI202, Rev. A
- YMP-025-9-MING-MI203, Rev. A
- YMP-025-9-MING-MI204, Rev. A
- YMP-025-9-MING-MI205, Rev. A

DOCUMENTS ISSUED:

- 1,730 controlled documents
 - 400 FCR's
 - 1,233 DWG's
 - 70 JP's
 -
- 73 uncontrolled documents

REPRODUCTION:

- 17,253 pages copied
- 1,713 drawings copied

DTAR LOGOFF's : 262

8. FIELD TRAINING (SAIC)

- a. GET 1.5 Refresher Training; 26 students passed
- b. ESF Visitor Training briefing for 13 people
- c. GET/GERT Training conducted; 35 people attended
- d. Facilitated final meeting of "Tourminators" Task Team on 6/29 for 7 people
- e. Conducted pilot class for "Trench Safety Evaluation Prior to Entry", 7 people attended

Winfred A. Wilson

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

YMP:WAW-94/153

cc:

- L. R. Hayes, USGS, Las Vegas, NV
- R. W. Craig, USGS, Las Vegas, NV
- D.L. Koss, REECo, Las Vegas, NV
- ~~R. S. Justus, NRC, Las Vegas, NV~~
- R. R. Kovach, LANL/YMSO, Mercury, NV
- N. Z. Elkins, LANL, Las Vegas, NV
- J. A. Blink, LLNL, Las Vegas, NV

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