



**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
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Las Vegas, NV 89193-8608

QA: N/A

**JAN 25 1995**

**Richard L. Craun, 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 January 7, 1995 through January 20, 1995:**

**1. FIELD OPERATIONS CENTER**

**A. Management and Administration**

1. Provided administration, operational, logistical support to the following tours: DOE/HQ; NWTRB; Massachusetts Institute of Technology; Nuclear Regulatory Commission; VIP Tour.
2. Processed 22 work orders and 11 photographic services requests.
3. Prepared 72 badging requests for site visits and daily field work.
4. Reviewed final draft of YAP 30.36, "Field Operating Instructions Directives System".
5. Provided Underground Visitors Training for personnel requiring access to the Starter Tunnel.
6. Issued Field Operations Permit for ESF Hydrological Testing.
7. Worked to set preliminary agenda for video teleconference with DC on VARS/digital camera.
8. Prepared and transmitted Daily Operations Reports to NORSOC, and biweekly Reports to HQ OCRWM. Assisted in M&O ORPS report for a vehicle accident.
9. Provided operations, administrative, and security support to the Yucca Mountain Site Manager and his DOE staff, including support and escort of tours.
10. 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.
11. Provided operational and administrative support for Site Characterization activities in the field.
12. Supported Saturday and 24/hour shift coverage of FOC for Area 25 activities.
13. Provided Weekly Activity Report of YMP construction to Site Manager.

14. Escorted NWTRB to Rock Valley trenches for their investigations.
15. Worked on preparation of 5 year budget presentation.
16. Closed out Environmental Surveillance Compliance Report 94-0346, a historical spill at USW-USN-51.
17. Imported latest borehole data into GIS system.
18. Began outline of VARS Operations/Users Procedures.
19. During this period, the Site Manager and his fellow DOE co-workers participated in a two day off-site "Retreat" meeting with the Assistant Manager for Engineering and Field Operations. This occurred on January 12 - 13, 1995. Synopsis of the session was organizational effectiveness, how to improve, etc. and getting to know each other better. A very effective, worthwhile session.
20. Site Manager, during this period, approved and signed three work completion reports from REECo. These were for: JP 93-12, "Geophysical Surveys; Deep Seismic Shotholes"; JP 94-20, "Exile Hill Booster Station/Auger Testing and Plate Load Tests"; and JP 94-18, "Reaming of Borehole NRG 6/7".

**B. Field Safety & Health**

1. Safety personnel performed walk around inspection of ESF Pad, ESF Subsurface Facilities and the Precast Yard. Investigated broken ladder incident at Cardwell Drill Rig. Monitored work at the Switchgear Building.
2. Industrial Hygiene personnel performed 20 Health Hazard Assessments of two Kiewit shops at the Precast Yard. Met with the M&O on the draft "Exposure Control Protocol for Erionite".

**2. RAYTHEON SERVICES NEVADA, (RSN)**

- A. Survey continued laying out intervals for UZ-16 vertical seismic profiling lines and locating stations on seismic reflection lines 3 and 4 supporting LBL Studies.
- B. Continued survey support for Switchgear Building and Change House Building on ESF Pad.
- C. Material Test lab completed tension, hardness and chemical analysis on approximately 53 steel nuts, bolts, washers, and steel plates and tension, hardness, bend, and chemical analysis on 60 steel welded metal samples.
- D. Completed compressive strength test on approximately 64 concrete cylinder samples and performed 114 field density tests for ESF Construction activities.
- E. Completed aggregate test and submitted final report on 12 55 gallon samples from WMK and Nevada Ready Mix.

- F. Test Engineering Support preparing sketches of possible alternatives for underground test drill dust shield.
- G. Power and Communication System Design working on Title II comment resolution for Booster Pump Station Project.
- H. Continuing design for 138 kV gas circuit breaker change out of motor operated disconnect at Canyon Substation.
- I. Continuing design for 69 kV gas circuit breaker change out of oil circuit breaker at Substation 26-16 and design for removing 69 kV gas circuit breaker at Jackass Flats Substation for use at Substation 26-16.
- J. Survey supporting USBR geomapping Program.
- K. Survey laid out Material test lab points for Phase I foundation investigation of Muck Conveyor System.

3. T&MSS QUALITY ASSURANCE, (SAIC)

- A. Monitored drilling activities at SD-7.
- B. Monitored packer installation at C-Hole Complex.
- C. Continued Geophysical Logging Surveillance.
- D. Met with SMF and YMQAD to verify completion of corrective actions required to close NCR YMPO-94-0039, Rev. 3.

4. SAMPLE MANAGEMENT FACILITY (SMG/SAIC)

- A. Supported instrumentation and stemming operations at UZ-16.
- B. Continued supporting double-shifts of drilling activities on SD-7.
- C. Continued supporting drilling activities at C-Hole Complex workover.
- D. Continued geophysical logging activities with collection of logs from boreholes SD-12, UZ-14, G-2, and UZ-16.
- E. Conducted Sample Overview Committee meeting on 1/11 to review requests for core and cuttings.
- F. Continued work on Drilling Management Organization Plan, for providing technical direction of drilling operations.
- G. Quality Finding Reports 95-002 and 95-004 pertaining to Drilling Engineering Division procedures have been submitted and accepted by QA.
- H. Non-Conformance Report pertaining to resolution of USW UZ-14 core length was submitted and accepted by QATSS.
- I. Preparing for Vertical Seismic Profiling work on UZ-16 to begin in February/March.

5. YMP HYDROLOGIC RESEARCH FACILITY, (USGS)

- A. Mapped on the Fran Ridge Pavement and Alice Ridge trench.
- B. Field checked measured sections in Solitario Canyon and

- Fortymile Wash and the Fran Ridge Pavement.
- C. Reviewed fracture mapping techniques in the field.
  - D. Viewed and logged core at the SMF.
  - E. ESF Mapping Team worked on Photogrammetry procedures.
  - F. Mapped soils in Dune Wash, Crater Flat, and south end of Yucca Mountain.
  - G. Read rain gages and checked stream gaging stations.
  - H. Oversaw removal and replacement of instrumentation in UE-25c #2.
  - I. Oversaw instrumentation and geophone placement at UZ-16.
  - J. Oversaw maintenance of borehole instrumentation.
  - K. Measured water levels in UE-25c #2, J-11, j-12, j-13, WT-2 and WT-15. Calibrated Multiconductor measuring unit.
  - L. Drying out DISA stations in NRG-6.
  - M. Prepared equipment for additional air permeability testing.

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

A. Drilling

- 1. SD-7; ran 7 inch casing and vacuumed hole to 255.05 feet. Tacked in shoe with two sacks of Cal-Seal. Cored with 6 inch bit to 653.62 feet.
- 2. C-Well Complex; Completed tripping out with packers and tubing. USGS made repairs and ran packers and tubing to 2677.00 feet. Rigged down equipment.
- 3. UZ-16; mobilized rig, started stemming operations, ran BW casing to 600.00 feet, ran USGS geophones and central support pipe to 293.00 feet.

B. Logistics

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

C. Construction

1. TBM Work

- a. TBM now at STA 1+44.9M (4+75.4 feet).
- b. Connected power to Mapping Gantry and ran ops tests.
- c. Installed Ring Erector mods.
- d. Changed out propel cylinder seals.
- e. Continue to receive and install steel sets.

2. Precast Yard

Work continues with fabrication of the precast molds, finished segments being delivered to Pad.

3. North Portal Pad

- a. Surface construction continues with water, power and sewer being installed on the Pad.
- b. Continued Pad perimeter fencing.
- c. Continued Change House construction.
- d. Continued to refurbish Generators.
- e. Continued forming Grade Beams and Floor Slabs at Switchgear Building.

4. Water Line/Tank

Continued with sub-grade of trench on East Side of Exile Hill.

5. LBL Seismic Line

LBL continuing with seismic study, working on line 7 and 7a with gravity work on reflection lines.

8. Rock Valley Trench

REECo completed excavation of trenches.

7. LOS ALAMOS NATIONAL LABORATORY, (LANL)

- A. The face of the North Ramp is at Station 136.5 meters (448 feet). Kiewit conducting training on operation of mapping gantry for LANL, SNL and USBR.
- B. The total water usage in the north ramp, to date, is 187.2 kiloliters (49,450 gallons).
- C. Installation program for instrumenting steel sets with strain gauges was agreed to by SNL, K/PB, M&O, and LANL.
- D. LLNL inspected Test Alcove to determine set up for logging Hydrochemistry Boreholes.
- E. SNL continues to monitor MPBX gauges, and rockbolt load cells in the Test Alcove and the ESF.
- F. USGS instrumented three holes to continue reading pressure and temperature.
- G. LLNL continued to review the Large Block Program.

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

- A. Total number of FCR's submitted during period:

12

B.	Total number of FCR's closed during period:	3
C.	Total number of FCR's remaining open:	9

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

A. FCR's ISSUED:

FCF 95/073	"Switchgear Building Lightning and Ground Grids".
FCR 95/077	"Add Additional Trench to the Scop of Work for Rock Valley Trenches and Test Pits".
FCR 95/080	"Use of Gravel Backfill in Place of Compacted Fill for Switchgear Building Plumbing Trenches".
FCR 95/084	"Impose Hold on Four Package 1A Drawings".
FCR 95/086	"Water Supply Line Cable Cooling Details".
FCR 95/094	"Editorial Change".
FCR 95/097	"Supplemental Distribution for FCR 95/077".
FCR 95/098	"Correction of Spelling Error on FCR 95/074".

B. BCP's ISSUED:

BCP-02-95-0009, Rev. 1,	"Administrative Update".
BCP-02-95-0013, Rev. 1,	"Administrative Update".
BCP-02-95-0014, Rev. 1,	"Administrative Update".
BCP-02-95-0022,	"BCP-Change Classification of Specification 16461 to 'QA'".
BCP-02-95-0023,	"BCP-Clarification of Specification 03480 Rev. 0".
BCP-02-95-0025,	"BCP-One Sentence Clarification of 02341".
BCP-02-95-0026,	"BCP-Facilitate Construction Installation".
BCP-02-95-0028,	"BCP-Corrected 43011".
BCP-02-95-0029,	"BCP-Clarified and Corrected 43020".
BCP-02-95-0031,	"BCP-Correct Errors and New Changes".
BCP-02-95-0032,	"BCP-Permit Welded Fabric Use on Drawing 04155".
BCP-02-95-0033,	"BCP-Ease of Constructability".
BCP-02-95-0034,	"BCP-Clarifying Variables".

C. JOB PACKAGES ISSUED:

YMP/JP95-01, Rev. 0,	"Hydrochemistry and Radial Borehole Tests in the ESF North Ramp and Test Alcoves".
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**D. VENDOR DOCUMENTS ISSUED:**

BABFCC000-01717-6300-14690-VD-1, Rev. 0

**E. DRAWINGS ISSUED:**

BABFCC000-01717-2100-41099, Rev. 3  
BABFCC000-01717-2100-41100, Rev. 3  
BABFCC000-01717-2100-40178, Rev. 2  
BABFCC000-01717-2100-40179, Rev. 2  
BABEAE000-01717-2100-40142, Rev. 1  
BABEAE000-01717-2100-40144, Rev. 1  
BABEAE000-01717-2100-40146, Rev. 1  
BABEAF000-01717-2100-40147, Rev. 1  
BABEAF000-01717-2100-40148, Rev. 1  
BABEAF000-01717-2100-40149, Rev. 1  
BABFA0000-01717-2100-40170, Rev. 1  
BABFA0000-01717-2100-40171, Rev. 1  
BABFA0000-01717-2100-40173, Rev. 1  
BABFA0000-01717-2100-40174, Rev. 1  
BABFA0000-01717-2100-40175, Rev. 1  
BABEAC000-01717-2100-41111, Rev. 1  
BABEAC000-01717-2100-41121, Rev. 1  
BABEAC000-01717-2100-41130, Rev. 1

**F. SPECIFICATIONS ISSUED:**

BABEAB000-01717-6300-03362, Rev. 1  
BABEAB000-01717-6300-03363, Rev. 1  
BABEAC000-01717-6300-05121, Rev. 3  
BABFB0000-01717-6300-11500, Rev. 5  
BABEAE000-01717-6300-13046, Rev. 1  
BAB000000-01717-6300-01014, Rev. 4

**G. DOCUMENTS ISSUED:**

1,619 controlled documents .  
- 268 FCR's  
- 701 DRWG's  
- 32 JP's  
- 5 WP'S  
- 186 SPEC's  
- 6 VENDOR  
- 421 BCP's

244 uncontrolled documents

**H. REPRODUCTION**

23,517 Pages copied  
1,148 Drawings copied

10. FIELD TRAINING (SAIC)

- A. GET Annual Refresher Training; 20 students passed.
- B. GET Training; 48 people attended.
- C. GERT Training; 48 people attended.
- D. GERT Annual Refresher Training; 7 students passed.
- E. YMP S&H Training, 18 people attended.
- F. Standard First Aid; 1 person attended.
- G. ESF visitor briefing, 20 personnel attended.

*Winfred A. Wilson*

Winfred A. Wilson, Site Manager for  
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AMEFO:WAW-95/083

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