



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

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TO: Joseph Holonich, Director, HLPD, M/S 4 H 3  
FROM: Sr. On-Site Representatives Office, Las Vegas  
DATE: September 25, 1992  
SUBJECT: YUCCA MOUNTAIN SITE OFFICE (YMSO) FIELD ACTIVITY REPORT  
(WEEKS ENDING ENDING SEPTEMBER 4, AND SEPTEMBER 11, 1992)

Please find enclosed the above-referenced report.

There is nothing requiring specific management attention in the report.

cc: w/enc.: William Belke, M/S 4 H 3  
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Department of Energy  
Yucca Mountain Site Characterization  
Project Office  
P. O. Box 98608  
Las Vegas, NV 89193-8608

WBS 1.2.7.4  
QA: N/A

SEP 16 1992

Carl P. Gertz, Project Manager, YMP, NV

YUCCA MOUNTAIN SITE OFFICE (YMSO) FIELD ACTIVITY REPORT

The following are the significant field activities for the weeks ending September 4, 1992 and September 11, 1992:

1. Field Operations Center, (YMSO)

A. Management and Administration

- a. The Site Manager and FOC staff participated in and provided operational and logistical support to several tours conducted during this period. These were: Nye County consultants and CRWMS M&O.
- b. Provided operations support for field site characterization activities.
- c. Issued vehicles, first aid kits, fire extinguishers, and other necessary equipment to personnel performing field duty.
- d. Provided operational and logistical support for photo mission and tour of X-Tunnel.
- e. Continued review of Site Emergency Management Plan.
- f. The Bullfrog Planning commission continuing with development of data base for Facilities Management Program.
- g. Developed presentation on preliminary layouts for Site Manager to present to Carl Gertz.
- h. Initial inventory of facilities for input into database completed.
- i. The Site Manager issued the Work Authorization Letter to REECO and LANL for the Trench excavations at Lathrop Wells.
- j. Site Manager approved and signed two new Administrative Procedures in Safety & Health Area; AP-5.42, "Occupational Medicine Program" and AP 5.44, "Industrial Hygiene."
- k. Site Manager attended the monthly NTS Users meeting at the DOE/NTSO Conference Room.

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- l. Site Manager issued the Work Authorization Letter to REECO for securing 30 boreholes in the site area. Work Order 3452-401 has been prepared and Site Manager signed said document on 9/9/92.
  - m. Site Manager has held planning meeting with selected members of the FOC Staff; Document Records Center and Configuration Management Field Change Control in preparation for the upcoming QA Audit.
  - n. Site Manager met with the Army commander relative to the exercise being conducted in Area 25. Coordination and interaction focal points were established between parties concerned. Exercise will conclude on 9/19/92.
  - o. A representative of the FOC Bullfrog Planning Commission attended the initial meeting of the Nye County - YMP Procurement Working Group.
- B. Project Safety & Health, (DOE/SAIC)
- a. Attended Safety & Health Advisory Committee Meeting.
  - b. Continued development of YMP fire extinguisher monitoring program.
  - c. Met with Area 25 Medics on emergency procedures and location familiarization of work sites.
  - d. Inspected SMF for potential Industrial Hygiene problems.
  - e. Began review of Phase II offices at VBC for ventilation circuitry.
  - f. Responded to USGS question on codes for cabinets in Lab.
  - g. Continued specification work on LM-300 dust collecting system.
  - h. Conducted 8 surveillances; Crater Flats-2; EG&G Trailer-1; NRG-1-1; SMF Building-1; Fran Ridge-1; UZN-31-1; and FOC Building-1.
  - i. Drafted letter on status and cost of repair of Building 4015 to bring building into compliance with codes.
  - j. Did fire extinguisher check of FOC Area buildings.
  - k. Sent letter to all Participants on OSHA process safety.
  - l. IH's spent one day surveying Phase II area of VBC.

- m. Reviewed and commented on draft DOE Order 5480.9.
- n. Prepared accomplishment list for use in Site Manager's presentation on 9/25.
- o. Conducted 2 surveillances; Crater Flats Area Roads-1; and Fran Ridge Test Pit-1.
- p. Reviewed and commented on draft FOI 3001, "G.E.T." Reviewed G.E.T. section 1.5 and commented.
- q. Staff Member attended seminar on "Managing Priorities."

2. Raytheon Services Nevada, (RSN)

A. Field Support

- a. Survey crew continued work on Area 25 control net.
- b. The Field Engineering Group checks the trench walls on a daily basis in order to determine suitability for continued operations.
- c. Survey of the geophysical lines is ongoing.
- d. N-63, N-33 and N-34 Drill holes ready for survey. Complete except for calculations.
- e. Survey crew supporting UZ-16, Midway Valley Trenches (Magnetometer and Gravity Stations), and Phase II of the Test Pits.
- f. Issued thirteen (13) work initiations (WI's) in support of ongoing and upcoming Job Packages.
- g. Surveyed T5A, T4, and T6 trenches; only calculations and plotting remain.
- h. Field Engineering providing support to JP 91-9/Rev 3, JP 92-12, JP 92-7 and JP 92-8.
- i. Current status of JP 92-2, "Test Pits" and JP 92-5, "Test Pits" is in progress.
- j. Electrical as-built of FOC, Building 4015 is ongoing.
- k. UZ-14 Drill Pad survey and calculations complete.
- l. Surveyed Midway Valley Test Pits, calculations remain.

B. Quality Control

- a. No activities at UZ-16, LM-300 is inoperative.
- b. Monitored moving of drilling equipment off UZN-34 to new site for UZN-31 (CME-850 Rig).
- c. Continued verification activities on cleaning area (approx. 30 x 30 feet) of alluvium, and debris at bank adjacent to NRG-1 Drill Pad.
- d. Monitored start of drilling UZN-31 with CME-850.
- e. Monitored start of Trench SCR-T1 (Stagecoach Road).
- f. Monitored cleaning of borehole NRG-1 to get ready for Geophysical logging.
- g. Monitored excavation of trench at Lathrop Wells.
- h. Monitored Trenches SCR-T1, SCR-T2, SCR-T3 and additional trench SCR-T3A.
- i. Verify Trench SCR-T3 to completion.
- j. Updating FVP's and JP's to keep signed off and current.

3. Sample Management Facility, (SMF/SAIC)

- a. Conducted first core examination meeting for all P.I.'s utilizing UZ-16 core.
- b. Continued processing core and cuttings from UZ-16.
- c. Began drilling on UZN-32.
- d. Shipped approximately 1,000 pounds of outcrop samples to the University of New Mexico.
- e. Supported the SOC meeting, 9/10.
- f. Continued processing core and cutting from UZN-31.
- g. Completed core party for UZ-16. Core examination was 30.3 feet to 541.9 feet.
- h. Resumed support of activities at UZ-16.

4. YMP Hydrologic Research Facility, (USGS)

- a. Normal data retrieval from instrumented holes on Yucca Mountain by Saturated Zone Group.
- b. Field personnel conducting neutron logging in the field.
- c. Meteorological Project collecting satellite data, precipitation data and synoptic scale weather chart information. Collected data from 8/11 storm.
- d. Pete Strifler at NTS for monitoring tracer gas injection at UZ-16 and observe core collection for hydrochemical studies.
- e. Chris Menges in Stage Coach and Crater Flats Area for excavation of trenches.
- f. Steve Beason, Mike Fahey and John Narvairez, Bureau of Reclamation overseeing drilling and blasting operation on Fran Ridge.
- g. Joe Henderson and Lou Ducret at HRF and FOC to meet with administrative personnel.
- h. Jon Whitney at NTS to prepare for NRC field trip and sample deposits for isotopes dating.
- i. Kay Thomas at HRF for coordination and implementation of instrumentation platform to be built behind the HRF.
- j. John Wesling and Andy Thomas at NTS for Midway Valley Excavations.
- k. Mike Moses at NTS to stake shot holes.
- l. Joe Rousseau at HRF for coordination and implementation of instrumentation platform build behind the HRF.
- m. Joh Wesling, Bert Swain, and Andy Thomas at NTS for Midway Valley excavation and to prepare for NRC tour.
- n. John Perry, Ken Smith, and Austin Wilson, UNR, in field around Yucca Mounain to collect seismic data.

5. Reynolds Electrical and Engineering Co., Inc., (REECO)

Activities conducted during week ending September 4, 1992:

A. Drilling

- a. JP 92-3, UZ-16, LM-300, cored to 673.41 feet, front transmission failed, removed same. Waiting on replacement 4.
- b. JP 91-9, UZN-31, CME-850, waiting on environmental clearance, completed road and location work.

B. Logistics

- a. Continued requisitioning supplies, materials, and services for YMP Field Operations Center.
- b. Made necessary arrangements for feeding, transportation, support, etc., in support of a tour on September 8, 1992.

C. Construction

- a. JP 91-9, Neutron Access Borehole...completed construction of the access road to the N-35 drill hole location, also REECO completed the access road and drill site preparation for holes N-31 and N-32.
- b. JP 92-2, NRG-1 Soil and Rock Properties... continued exposure of NRG-1 pavement study area using water and compressed air, graded excess road.
- c. JP 92-7, Fran Ridge Pit Mapping...detonated first explosive round and mucked out pit. Completed drilling holes for second round; blast occurred at 1:00 p.m. on 9/4/92.
- d. JP 92-12, Quaternary Faulting...mobilized to Stagecoach Road and began and completed excavation of Trench SCR-1. Mobilized and started excavation of Trench SCR-2.

Activities conducted during week ending September 11, 1992:

A. Drilling

- a. JP 92-3, UZ-16, LM-300, cored hole depth is 673 feet, Reamed hole depth is 639 feet. Removed and replaced transmission, having trouble getting transmission to shift.
- b. JP 91-9, UZN-31, CME-850, moved rig and associated tools and equipment, rigged up, cored and reamed to 33.19 feet.

- c. JP 92-2, NRG-1, CME-850, moved rig and associated tools and equipment, rigged up, picked up hammer and bit, knocked boulder out of wall, ran to 142 feet. 8 feet of fill in hole. Rigged down.

B. Logistics

- a. Continued requisitioning supplies, materials, and services for YMP Field Operations Center.
- b. Made necessary arrangements for feeding, transportation, support, etc, in support of a tour on September 8.

C. Construction

- a. JP 92-7, Fran Ridge Pit Mapping...continued cleaning area around Pit collar and cleaning bedrock with air and water. Mobilized front end loader to prepare crane pad.
- b. JP 92-12, Quaternary Faulting...completed excavation of Trench SCR-2 at Stagecoach Road area. Stored and completed excavation of Trench SCR-3 on 9/9/92.

6. Los Alamos National Laboratory, (LANL)

- a. Fran Ridge Test Pits construction up grades and mapping continues.

7. Documents and Records Center, (M&O)

Activities during week ending Septeber 4, 1992:

- a. Received and Issued the following Controlled Documents:

Job Packages	-	N/A
Specifications	-	N/A
Drawings	-	N/A
FCRS	-	FCR 92/136, "Editorial Change of USGS/USBR Grading Report Number." FCR 92/137, "Change #2: Additional Approval of Land Access and Environmental."

- b. Copied 813 pages.
- c. Issued 78 request controlled documents.
- d. Reproduced 125 engineering copies.

- e. Issued 35 uncontrolled documents.
- f. DTAR logoffs: 65.
- g. Attended FOC Staff Meeting.

Activities during week ending September 11, 1992:

- a. Received and Issued to following Controlled Documents:

Job Packages - N/A  
Specifications - N/A  
Drawings - N/A  
FCRs - FCR 92/142, "Borehole Security Program #1 - Work Order Number Change."  
FCR 92/144, "Revised Neutron-Access Borehole Work Program, Rev. 4."

Work Programs

YMP/WP/92-02, "Borehole Security Program #1."

- b. Reproduction: 1593 pages copied; 88 drawing copied.
- c. Issued 132 requested controlled documents.
- d. Issued 20 uncontrolled documents.
- e. DTAR logoffs: 47.
- f. New staff member, John Walker on board.

8. Field Training

- a. Conducted GET Training classes 1.2, 1.3, 1.4 for 8 persons at the Field Operations Center.

*Winfred A. Wilson*

Winfred A. Wilson  
Site Manager