



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 Licensing Representatives' Office, Las Vegas
DATE: October 27, 1993
SUBJECT: YUCCA MOUNTAIN SITE OFFICE (YMSO) ACTIVITY REPORT, FOR THE PERIOD FROM OCTOBER 2 TO 15, 1993

Please find enclosed the above-referenced information. There is nothing requiring specific management attention.

cc: w/enc.: Charlotte Abrams, M/S 4 H 3
Anne Garcia, M/S 4 H 3
Dean Kunihiro, Region 5

Enclosure as stated

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

WBS: 1.2.7.3
QA: N/A

OCT 2 1993

J. R. Dyer, Acting Project Manager, YMP, NV

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

The following are the significant activities for the period from October 2, 1993 to October 15, 1993:

1. FIELD OPERATIONS CENTER

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, including: Logandale and Area Residents, NRC Headquarters, License Support System Advisory Board, Sun City Sr. Citizens, ANEC, LLNL SERSS, NACO, Latitud Newspapers.
- b. Site Manager approved and signed the Engineering Plan for General Support Facilities.
- c. Site Manager received from RSN the Title II design drawings and specs for the J-13 Water Tank Upgrade. Comments due by October 12, 1993.
- d. Prepared and transmitted daily operations reports to NORSOC, and the biweekly reports to HQ OCRWM. Initiated final Report for ORPS YMPO--SAIC-1993-0004 concerning an automobile accident involving a GSA vehicle.
- e. Prepared Sixty-two (62) badge requests for visitors and field work, including one for a foreign national. Processed badge termination documentation for nine (9) individuals.
- f. Discovered Michelangelo strain computer virus in NOVELL installation floppies. A-25 computers were examined and virus was removed from 2 units. ISD at BOA Center was notified and are checking all remaining project computers for virus infection.
- g. Processed eighteen (18) Work Order Requests, providing for communications, field support and building maintenance.
- h. Processed thirty-two (32) photographic service/support requests.
- i. Continue to provide photographic coverage of ESF operations.
- j. Provided underground visitors training for visitors and workers requiring access.

- k. Engaged in reorganization of office space on third floor of FOC Building.
- l. Continued revision of YMP Emergency Management Plan.
- m. Attended DOE/NTSO Power Management Meeting.
- n. Produced viewgraphs for Site Manager's presentation to LLNL visitors.
- o. Coordinated with WILTEL for movement of telephone instruments on 3rd floor of FOC Building.
- p. Provide operations, administrative, and security support to the Yucca Mountain Site Manager and his DOE staff.
- q. Provided operational and administrative support for site characterization activities in the field.
- r. Provided logistical support for issuing vehicles, first aid kits, fire extinguisher, and other necessary equipment to personnel performing field duty.

B. Project Safety & Health (DOE/SAIC)

- a. YMP Safety and Health Officer prepared and distributed a letter to the TPO's and YMP DD's relative to the "Organization of Bank of America Building Fire Evacuation Needs."
- b. Completed report for AP 5.7 inspection of USGS facilities.
- c. Continuation of AP 5.7 inspection of Bank of America to organize information and cite necessary regulations applicable to findings and recommendations.
- d. Researched DOT Regulations and provided guidance for transportation of hazardous material (Propane).
- e. Observed and critiqued 2 fire drills at the USGS HRF and Test Cell "C".
- f. Attended steering committee meeting for S&H and Training group personnel.
- g. Worked on BoA Emergency Evacuation Monitor Program.
- h. Completed closure of USGS Functional Appraisal on "Hazard Communication Program".
- i. Surveyed and coordinated rodent control at SMF.
- j. Conducted fire inspection with REECo Fire Department.
- k. Attended NTS Industrial Hygiene Working Group Meeting.
- l. Completed draft "C" of YMP S&H Plan revision.
- m. Conducted 5 surveillances: a) 2 at Ghost Dance Fault; b) 1 at Fran Ridge; c) 1 at UZ-14; and d) 1 at UZ-16.
- n. Conferred with Project Training on development of evacuation training classes.
- o. Reviewed and commented on Section 6, "Safety and Health Compliance" of the PBCCB Review.
- p. Completed application of standards to AP5.7 inspection of BoA Center.

- q. Conferring with M&O on responses to OCRWM audit findings of Building 4015 and the ESF.
- r. Measured air quality and relative humidity during Drilling/Blasting operations at ESF Starter Tunnel Test Alcove and conducted post blast gas sampling at Alcove.
- s. Conducted noise dosimetry and respirable silica sampling of cleaning operations at Ghost Dance Fault.
- t. Supported on going tours.
- u. OCCURRENCE REPORTS
 - 1. REECo - one outstanding: 1 awaiting Program Manager Signature.
 - 2. SAIC - one outstanding: 1 notification (09/16/93) rejected 10/18/93.

C. Bullfrog Planning Commission

- a. Site Manager reactivated the Bullfrog Planning Commission and tasked the group to review available facilities for potential Office, Shop and/or Warehouse use.
- b. Conducted survey of facilities in Area 25 as potential areas for Office, Shop, and/or Warehouse space.

2. Raytheon Services Nevada, (RSN)

A. Field Support

- a. Survey of Starter Tunnel is on going.
- b. As-build surveyed borehole WT-2, calculation completed.
- c. As-Built the pad, road and borehole NRG-7, calculations remain.
- d. As-built Neutron Borehole N-62, calculations remain.
- e. Surveyed remaining drillholes for Fran Ridge Large Block Sawing.
- f. Survey rough grade for SD-12.
- g. Surveyed the profile line of the Muck Conveyor.
- h. Survey Crew continuing work on A-25 Survey Control Net.
- i. Field Engineering continues to check Trench 14 daily.

B. Quality Control

- a. Continued verification of activities on UZ-14 borehole, utilizing the LM-300 drill rig.
- b. Verified Gyro Borehole Video Camera Surveying for NRG-4, NRG-5, and WT-2 by Barbour Well Services.
- c. Participating in Combined Management and Independent Technical Review of J-13 Water Tank Upgrade package prepared by RSN.
- d. Verified mobilization of equipment at NRG-7.

3. Sample Management Facility (SMF/SAIC)

- a. Continued supporting drilling on UZ-14.
- b. Twelve sample examinations were conducted by SNL, USGS and LANL.
- c. Continued monitoring and oversight of prototype drilling tool development conducted at Colorado School of Mines (CSM). CSM analyzing data collected from EXLOG studies.
- d. Continue converting Branch Technical Procedures to Implementing Line Procedures and revising Administrative Procedures to incorporate new QARD requirements.
- e. Core Party conducted in conjunction with Sample Overview Committee.
- f. Created 180 specimens from core samples for analysis by various Principle Investigators. A shipment of core specimens was sent to USGS and 4 specimens were sent to the LANL PI.
- g. Began video and geophysical logging activities of WT-2 and geophysical logging activities on North Ramp Geologic Boreholes.
- h. Completed Borehole Prognosis for USW UZ-7A.

4. YMP Hydrologic Research Facility, (USGS)

The following activities were accomplished by USGS Staff:

Geologic Studies Program:

- a. Finished logging remaining Stagecoach Road Trench.
- b. Monitored pavement clearing activities at Ghost Dance Fault on Antler Ridge.
- c. Attended Sample Oversight Committee meeting.
- d. Maintained and calibrated seismic network stations on Yucca Mountain.
- e. Viewed stratigraphic sections in Paintbrush Tuff and Calico Hills Tuff.
- f. Performed geologic mapping of excavated portion of Test Alcove.
- g. Examined core at SMF.
- h. Began mapping and logging new trenches across Solitario Canyon Fault in Crater Flats.
- i. Field Checked maps of Paintbrush Canyon Fault Exposures.

Hydrologic Investigation Program:

- a. Collected data from 15 rain gages and stream gages in Fortymile Wash and Stockade Wash Watersheds.

Saturated Zone:

- a. Calibrated water level monitoring transducers, performed routine water level measurements and recovered data from deep boreholes in and around Ranch. An unsuccessful attempt was made to measure water level in UZ-14 using a steel tape.
- b. Calibrated long steel tapes used for measurement of water levels in deep boreholes.

Unsaturated Zone:

- a. Finished gas sampling test at UZ-16.
- b. Moved USGS Weather Station #5 from the Prow to an area near the head of Pagany Wash.
- c. Logged neutron-access holes on Yucca Mountain and in Solitario Canyon.
- d. Observed drilling, collected water samples and assessed borehole conditions at UZ-14.
- e. Oversee battery installation in UPS units.

5. Reynolds Electric and Engineering Co., Inc. (REECo)

A. Drilling

- a. JP 92-17, UZ-14, LM-300 drill rig, recemented hole from approximately 1258 to 1301 feet. Cored to 1391.79 feet and reamed to 1381.64 feet, inflow now about .8 gal/hr. No more sealing required.

B. Logistics

- a. Continued requisitioning supplies, materials, and services for YMP Field Operations Center.
- b. Supported ongoing tours including open house tour.
- c. Supported construction efforts in Area 25.
- e. Arranged for securing and delivery of office furniture to the ESF Pad for the REECo office trailers.
- f. Removed partitions from 3rd floor and relocated them to the 2nd floor m&O area in the FOC.

C. Construction

- a. JP93-13, "Construction of the Access Road and Drill Pad for Borehole USW SD-12, REECo continuing with excavation work for the access road and drill pad; hauling fill and grading.

6. Los Alamos National Laboratory, (LANL)

- a. Construction activities consisted of grouting permanent rockbolts.
- b. Test Alcove now at approximately 16 feet.
- c. Load Cell readings were taken at CS 0+50 and extensometer measurements were taken at CS 0+30 and 0+60. Two new geophone location were identified in the Test Alcove, right rib at CS 0+92 and CS 1+11.
- d. Tracer water used total to date is 398,960 gallons.
- e. Test blast to determine effect on surrounding rock for Large Block Test conducted 10/20 with excellent results. REECo continued to drill vertical holes.
- f. Five samples were taken during Geologic Mapping.

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

- a. Received and Issued to following Controlled Documents:

JOB PACKAGES

YMP/JP93-13, Rev. 0, "Construction of Access Road and Drill Pad for Borehole USW SD-12".

TEST PLANNING PACKAGES n/a

SPECIFICATIONS

YMP-025-9-SP07, Rev. 1, "Brill Pad for NRG-6 Borehole".
YMP-025-1-SP08, Rev. 2, ESF Design 1A
YMP-025-1-SP07, Rev. 2, ESF Design 1A
YMP-025-1-SP06, Rev. 2, ESF Design 1A
YMP=025-1-SP03, Rev. 5, ESF Design 1A
YMP-025-1-SP01, Rev. 5, ESF Design 1A

DRAWINGS

YMP-025-9-CIVL-PL102, Rev. 1, "NRG-6 Borehole Site Plan".
YMP-025-9-CIVL-GP102, Rev. 1, "NRG-6 Borehole Grading Plan".
YMP-025-9-CIVL-PR102, Rev. 1, "NRG-6 Borehole Road Profile".
YMP-025-9-CIVL-PR103, Rev. 1, "NRG-6 Borehole Cross Sections".
YMP-025-1-CIVL-PR126, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-CI107, Rev. 2, ESF Design 1A
YMP-025-1-CIVL-CI102, Rev. 2, ESF Design 1A
YMP-025-1-CIVL-CI101, Rev. 2, ESF Design 1A
YMP-025-1-CIVL-PL121, Rev. 2, ESF Design 1A
YMP-025-1-CIVL-PL119, Rev. 2, ESF Design 1A
YMP-025-1-CIVL-GP103, Rev. 2, ESF Design 1A

YMP-025-1-CIVL-PR117, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR124, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR123, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR122, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR121, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR120, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR119, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PR118, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PL128, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PL127, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PL126, Rev. 1, ESF Design 1A
YMP-025-1-CIVL-PL125, Rev. 1, ESF Design 1A
YMP-025-1-7008-PL102, Rev. 1, ESF Design 1A
YMP-025-1-7008-PL101, Rev. 1, ESF Design 1A

WORK PROGRAMS

YMP/WP/93-06, Rev. 2, "UE-25 NRG-3 North Ramp Borehole Work Program".

FCRs

FCR 93/528, "Changes to JP92-20D to extend Starter Tunnel Testing to Alcove #1 and the Starter Tunnel Extension".
FCR 93/525, "Changes to JP92-20A to extent Starter Tunnel Testing to Alcove #1 and the Starter Tunnel Extension".
FCR 93/526, "Changes to JP92-20B to extend Starter Tunnel Testing to Alcove #1 and the Starter Tunnel Extension".
FCR 93/527, "Changes to JP92-20C to extend Starter Tunnel Testing to Alcove #1 and the Starter Tunnel Extension".
FCR 93/521, Rev. 1, CORRECTION 1 to FCR 93/521
FCR 93/524, "Hazardous Material Procedure Clarifications".
FCR 93/523, "Revision to Grouting Specification-SEC.02165".
FCR 94/001, "Changes to USW SD-12 Pad Layout and Construction Methods".
FCR 93/520, "Placing Hold no. HM93-16.0000-22 on Below Listed Drawings".

b. REPRODUCTION:

25,953 pages copied
1,899 drawings copied

c. DOCUMENTS ISSUED:

2,192 controlled documents

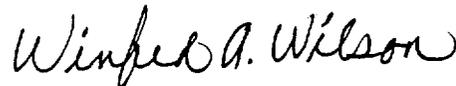
- 1,391 DWG's
- 534 FCR's
- 35 JP's
- 181 SPEC's
- 51 WP's

225 information copies

d. DTAR logoffs: 458

8. Field Training (SAIC)

- a. ESF Visitor Training, 46 people attended.
- b. GET 1.5 Refresher Training, 20 students passed.
- c. New Underground Worker Training, 3 people attended.
- d. Experienced Underground Worker Training, 2 people attended.
- e. Standard First Aid Training, 2 people attended.
- f. Radiological Control Testing 6 people.
- g. Facilitated team meeting at the SMF on the MacCSITS system.
- h. GET/GERT 1.2-4 Training for 1 person.



Winfred A. Wilson
Site Manager

YMP:WAW-93/247

cc:

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