



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: MARCH 17, 1993
SUBJECT: YUCCA MOUNTAIN SITE OFFICE (YMSO) FIELD ACTIVITY REPORT FOR
THE WEEKS ENDING FEBRUARY 19 AND FEBRUARY 26, 1993

Please find enclosed the above-referenced report.

There is nothing requiring specific management attention in the report.

cc: w/enc.: Charlotte Abrams, M/S 4 H 3
Rosetta Virgilio, M/S 3 D 23
Dean Kunihiro, Region 5

JSP:nan

Enclosure as stated

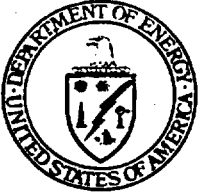
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NOTE TO CHARLOTTE: Also enclosed is the January, 1993, LANL Monthly Activity Report and the LLNL Project Status Report-- February, 1993

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NH03



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

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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 February 19, 1993 and February 26, 1993:

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: State Legislature Natural Resources Committee, University of Minnesota, Public Open House, Tonopah Middle School and Senior Tripsters.
- b. The Site Manager prepared the Letter of Work Authorization for Job Package 93-04, Remediation of UZ-1 Drill Pad. The Notice to Proceed had been submitted to the Site Office for work authorization and work execution.
- c. Provided operations and administrative support to the Yucca Mountain Site Manager and his DOE Staff.
- d. Provided operations support for Field Site Characterization activities in the field.
- e. Completed paperwork, signatures and other administrative procedures for issuing vehicles, first aid kits, fire extinguishers, and other necessary equipment to personnel performing field duty.
- f. Processed fifteen (15) work order requests.
- g. Provided FOC duty control and support for operations on evening (swing) shift.
- h. Videotaped new equipment at the HRF for new release.
- i. M. Kamna assisting Johnson Controls on selection of software to support computerized editing capabilities.

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- j. Videotaped Project Manager for news release.
- k. ESF construction progress photos taken. Video also taken for special news release.
- l. Reviewed DOE Order 5000.3b; letters on ORPS reporting procedures; and YMP Emergency Plan. EV-0043 and FOI 4705 reviewed in preparation to support issuing of Permits for temporary structures.
- m. Prepared and transmitted daily operations reports to NORSOC; and transmitted bi-weekly report to HQ.
- n. Established back-up communications link between FOC and Bofa Center, utilizing modems. This will allow communication even when VAX system is not operational.
- o. Designed, set up and produced sample copy of computerized drilling progress and regression analysis charting having the capability to more accurately predict completion dates of drilling activities.
- p. Bullfrog Planning Commission continuing with development of data base for Facilities Management Program.
- q. The Planning Commission also made presentation on Life Cycle Costs for TTR units to the Site Development Planning Committee and to the Assistant Director of the Engineering and Development Division (EDD).
- r. Reviewed and commented on letter requesting criteria for TPP for UZ-14.
- s. Finalized two ORPS Reports (NVOO--YMPO-SAIC-1992-0002 Earthquake Damage) and 1993-0001 (Meteorological Tower Power Outage). both now awaiting Facility Manager's Signature.
- t. Obtained signatures for comment resolution for YMP Emergency Management Plan. Submitted Plan for publication.
- u. Directed video shooting of EG&G scientists trapping, tagging, and releasing small animals and birds at Yucca Mountain.
- v. Compiled bi-annual new release for Institutional. Film contained footage of major activities occurring at Yucca Mountain Site.

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- w. Supported Project Manager with several rush Photo jobs to support visit of Lake Barrett.

B. Project Safety and Health, (DOE/SAIC)

- a. Reviewed and commented on the following documents: 1) Repository Design Requirements; 2) Site Design and Testing Requirements; and 3) Engineered Barriers.
- b. Prepared a FY WBS 1.2.13.2 S&H budget for Site Manager to present to OCRWM Interim Director.
- c. Rewrote to Project Safety and Health Program Activity Description for inclusion in "OMB" report.
- d. Completed development and published the following S&H function appraisals: 1) Role of the Safety and Health performing a functional appraisal; 2) Management and Administration; 3) Occupational Medical Programs; 4) Fire Protection programs; 5) Occupational Safety and Health, and 6) Industrial Hygiene.
- e. Developed a three year functional appraisal schedule.
- f. Worked with Project Training in developing a new miner training program.
- g. Attended and gave input at ESF Planning Meeting and Field Testing Coordination Meeting.
- h. Completed noise survey during hydroblasting at ESF.
- i. Surveillance conducted: Rock Bolting at ESF = 1; Sample Management Facility; and Vehicle Maintenance at J-13.
- j. Assisted USGS and RSN in development of their Job Safety Analysis for ESF Mapping and Surveying tasks.
- k. Completed monthly fire extinguisher inspection at FOC.
- l. Attended General Employee Radiation Training.
- m. Collected bulk samples from UZ-16. Samples will be analyzed for total and percent of silica content.
- n. Occurrence Reports four waiting for FM signature.
 - 1. REECo - 7 outstanding: 2 awaiting FM Signature; 1 rejected (09/33/92); 4 -10 day notification (11/23/92, 12/28/92, and 2 on 2/16/93).

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2. SAIC - 2 outstanding: 2 awaiting FM Signature.

- o. Researched and completed preliminary comparison study of California Tunneling Regulations and OSHA and MSHA Regulations.
- p. Reviewed assess procedures to ESF and made recommendations to Site Manager on stricter control. Assumed responsibility for access control of ESF, as directed by the Site Manager.
- q. Two staff members completed CPR/First Aid Training.
- r. Escorted REECo Fire Department on Fire Extinguisher audit of Area 25.
- s. Completed two surveillances of ESF.
- t. Worked with Project Training in developing a new miner training program.
- u. Attended Pre-Award Conference regarding soil removal from UZ-1.
- v. Continued working on recommended changes to Job Safety Analysis.
- w. Reviewed drawing of LM-300 Drill Rig Footclamp Spacer and the Joy 1. Drill Rig Strongback/Spacer.

2. Raytheon Services Nevada, (RSN)

A. Field Support

- a. Geologic mapping survey of Ghost Dance Fault, Phase I is completed. Phase II scheduled for March 1993.
- b. GSF test pits have been surveyed. Calculation and plotting remain.
- c. Survey of Geologic Mapping of North Portal Box Cut have been completed. Calculations are complete.
- d. Re-survey of Trench CF-1 and Trench 8 scheduled.
- e. Field Engineering continues to check Trench 14 Daily to ensure suitability for operations.

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- f. Issued four (4) work initiations (WI's) in support of ongoing and upcoming job packages.
- g. Field Engineering continues to provide support to JP 91-9/Rev 3, JP 92-2; JP 92-5, JP 92-7, JP 92-8, JP 92-12, JP 92-19 and JP 92-20.
- h. Verified vertical alignment on the LM-300 at UZ-16.
- i. Survey crew continuing to work on Area 25 Survey Control Net.
- j. Electrical as-builts of the FOC, Bldg 4015, are complete and are in the signatory process.
- k. Survey of UZ-1 pad, as-built, is complete. Calculations remain.

B. Quality Control

- a. Continued verification of activities on UZ-16 borehole utilizing the LM-300 Drill Rig.
- b. Continued verification activities on NRG-6 utilizing the Joy 1 Rig.
- c. Performed surveillance inspection on Trenches in Stagecoach Road (SCR-T1, T2, and T3) and in Crater Flats (SCF-T1, CF-1 and Trench 8), acceptable.

3. Sample Management Facility, (SMF/SAIC)

- a. Continued supporting drilling operations and processing core and cuttings from UZ-16 and NRG-6.
- b. Completed drilling operations on NRG-2.
- c. Shipped 182 specimens of core to USGS, 6 specimens to SNL, and 12 specimens to LANL.
- d. Laid out approximately 210 boxes of core for examination by USGS and M&O.
- e. Started processing specimens from NRG-6 for USGS and M&O.

4. YMP Hydrologic Research Facility, (USGS)

- a. Gary LeCain at NTS to meet with technical representative supplying equipment and work on equipment calibration for air-permeability testing.
- b. Bill Steinkampf at NTS to prepare/assemble sampling equipment for DVNM Sampling.
- c. David Bask at SMF to examine UZN-35 and UZ-16 core.
- d. Dave Rodriguez and Sierra Co. Representative on site to hook up bell provers and complete repairs on Mass Flow Calibration bench.
- e. Darrell Baldwin and staff took water level measurements from H1, B1, WT1, VH1, and WT10. Data dumped from G3, H3, H5, WT3, H1, WT2, H4, WT13, P1, WT11 and H6. Fixed gears on multiconductor unit and fished out 60 feet of steel tape at WT7.
- f. Joe Vaukovich and Staff, in Beatty, Lathrop Wells area conducting geodetic leveling studies.
- g. Jack Kume at NTS checking coring and reaming at UZ-16 in anticipation of reaching water table and completion of well.
- h. Scott Lundstrom was at the NTS checking of surficial mapping of Fortymile Wash, Midway Valley, Yucca Wash.
- i. Pete Striffler and Gordon Rattray at the NTS to monitor tracer gas injection at UZ-16 and NRG-6. Gordon Rattray will be at the NTS Monitor tracer gas injection and learn to use and assist installation of automated tracer injection system.
- j. Pat Tucci, Grady O'Brien, Susy Boucher, at NTS to meet with personnel on Site Potentiometric levels study, and training of NTS Personnel in use of ADAPS.
- k. Al Handy, Pete Rodriguez, Darrel Porter at NTS to observe work being done by USBR, HIP and GSP.
- l. Tome Cane, WRD, is collecting precipitation data in Yucca Mountain area.
- m. David Buesch, at SMF to select samples of NRG-2 and logging of NRG2, UZN-53, UZN-54, and NRG-6 and to begin structure log of N-53.

- n. Steve Beason, Mike Fahey, Paul Berger, USBR, at NTS to continue mapping ESF North Portal Boxcut.
- o. Joe Vukovich and Staff, National Mapping Division, in area conducting geodetic leveling studies.
- p. Jack Kume at NTS checking coring and reaming at UZ-16 in anticipation of reaching water table and completion of well.
- q. Chris Menges at NTS cleaning exposures and mapping trenches in Busted Butte and Stage Coach.
- r. Pete Striffler and Gordon Rattray at the NTS to monitor tracer gas injection at UZ-16 and NRG-6.
- s. Art Braun, Larry Martin, Ron Linden, Russ Blackmore, SAIC-Golden, at NTS conducting Mapping of Ghost Dance Fault.
- t. Zell Peterman, J. Aleinikof, S. Monson, F. Singer at NTS to obtain samples of Paleozoic limestones at Bare Mountain to evaluate possibility of using Sr and Pb Isotopes as indicators of favorable mineralized ground.

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

Activities conducted during week ending February 19, 1993:

A. Drilling

- a. JP 92-3, UZ-16, LM-300, cored to 1,559.15 feet, reamed to 1,538.95 feet. No deviation surveys run. MD/Totco and Caltrol on location rigging up instrumentation.
- b. JP 92-11, NRG-6, Joy #1, cored to 750.19 feet. Deviation survey 700 feet - 1 degree 30 minutes.

B. Logistics

- a. Continued requisitioning supplies, materials, and services for YMP Field Operations Center.
- b. Supported tours during the week.

C. Construction

- a. JP 92-20, ESF North Portal Pad & Facilities.... REECO continued hauling fill from Borrow Pit #1 to the North ESF pad; continued excavation of north drainage

channel; continued removal and storage of topsoil at Borrow Pit #1; and continued installation of rockbolts at North ESF boxcut.

Activities conducted during week ending February 26, 1993:

A. Drilling

- a. JP 92-3, UZ-16, LM-300, cored to 1,619.00 feet, reamed to 1,598.94 feet. Deviation survey at 1579 feet - 2 degrees 30 minutes.
- b. JP 92-11, NRG-6, Joy #1, cored to 995.28 feet. Deviation surveys: 825 feet - 1 degree 5 minutes and 925 feet - 0 degrees 58 minutes.

B. Logistics

- a. Continued requisitioning supplies, material, and services for YMP Field Operations Center.
- b. Supported ongoing tours during the week.

C. Construction

- a. JP 92-20, ESF North Portal Pad & Facilities....REECO continued hauling and compacting fill from Borrow Pit #1 to the ESF Pad; continued excavating North drainage channel; and continued removal and storage of topsoil at Borrow Pit #1.

6. Los Alamos National Laboratory, (LANL)

- a. Monitored construction at the North Portal box cut, cut was deepened.
- b. Split rock bolting completed on face and wing walls.
- c. Wing walls were scaled and washed down.
- d. First row of resin bolts (20' long) installed, box cut face scaled and washed down.
- e. Continued following progress of underground training regarding prioritization of personnel and schedules.
- f. Coordinating mapping by USBR/USGS and continued construction at the North Portal box cut.

- g. Second Phase of Geological Mapping of boxcut completed.
- h. Rock bolting and installation of wire mesh completed for second phase of box cut excavation.
- i. Finalized prioritized list of personnel for mining training.

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

Activities during week ending February 16, 1993:

- a. Received and Issued the following Controlled Documents:

Job Packages

YMP/JP 93-01, Rev. 0, "Drilling of Borehole UE25 NRG #3."

FCRs

FCR 93/124, Rev. 0, "Specification SP09 Section 02312 Drilling and Blasting (Surface)."

FCR 93/125, Rev. 0, "Clarification to SP09 Section 02165 Rockbolts and Accessories."

FCR 93/128, Rev. 0, "Replacement for FCR 93/118, Dimensional Changes to Tunnel Diameter."

FCR 93/147, Rev. 0, "Revised Attachment #2 to JP."

FCR 93/159, Rev. 0, "Details for Installation of Split Set Rockbolts."

FCR 93/160, Rev. 0, "Modification of Chain Link Installation to Permit Geologic Mapping."

FCR 93/142, Rev. 0, "Minor Change to Section 02776 of SP04."

FCR 93/129, Rev. 0, "Minor Change to Drawing YMP-025-1-STRU-ST107."

FCR 93/146, Rev. 0, "Replacement of ASTM D1557-78 with ASTM D1557-91."

FCR 93/132, Rev. 0, "Modify the List of Related Documents to Agree with the Drawings."

FCR 93/130, Rev. 0, "Add Note Concerning Drainage Channel Tolerance."

FCR 93/156, Rev. 0, "Add Note Concerning Drainage Channel Tolerance."

FCR 93/160, Rev. 1, REISSUE

- b. Reproduction

14,599 pages copied.

1,898 square feet of drawings.

c. Documents Issued

962 Controlled Documents
12 Uncontrolled Documents

d. DTAR Logoffs

80

Activities during the week ending February 26, 1993:

a. Received and Issued to following Controlled Documents:

Job Packages

YMP/JP93-04, Rev. 0, "Remediation of UZ-1 Drill Pad."
YMP/WP/93-06, Rev. 0, "UE-25 NRG-3, North Ramp Borehole."

FCRs

FCR 93/134, Rev. 0, "Modify the List of Related Documents to agree with the Drawings."
FCR 93/133, Rev. 0, "Modify List of Related Documents to agree with the Drawing."
FCR 93/137, Rev. 0, "Replacement of ASTM D1557-78 with ASTM D1557-91."
FCR 93/138, Rev. 0, "Replacement of ASTM D1557-78 with ASTM D1557-91."
FCR 93/140, Rev. 0, "Replacement of ASTM D1557-78 with ASTM D1557-91."
FCR 93/143, Rev. 0, "Modify the List of Related Documents to agree with the Drawings."
FCR 93/144, Rev. 0, "Replacement of ASTM D1557-78 with ASTM D1557-91."
FCR 93/145, Rev. 0, "Replacement of ASTM D1557-78 with ASTM D1557-91."
FCR 93/131, Rev. 0, "Modify the List of Related Documents to agree with the Drawings."
FCR 93/118, Rev. 0, Obsolete
FCR 93/162, Rev. 0, "RECo Work Order Number."
FCR 93/112, Rev. 0, "NRG-2 Core Recovery Requirements Change."
FCR 93/140, Rev. 1, Reissue
FCR 93/112, Rev. 1, Reissue

b. Reproduction

20,306 pages copied.
510 square feet of drawings.

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c. Documents Issued

1,252 controlled documents.
1 uncontrolled document.

d. DTAR Logoffs

247

8. Field Training

- a. Training was conducted for GET 1.1, 1.2, 1.3, and 1.4. At Total of 29 people attended.
- b. 21 GET 1.5 exams were given. All examines passed.
- c. Standard First Aid Training conducted. A total of 8 people attended.
- d. GET 1.2 (GERT) Training was conducted. A total of 18 people attended.

Winfred A. Wilson

Winfred A. Wilson
Site Manager

YMP:WAW-93/62

cc:

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