

Los Alamos

Los Alamos National Laboratory
101 Convention Center Drive, Suite 820
Las Vegas, NV 89109

WBS 1.3.9.7
"QA N/A"

*to R G
6/14/94*

memorandum

LA-EES-13-LV-06-94-003

Page 1 of 3

June 1, 1994
702/295-6180
MS 735

TO: R. D. Oliver, LANL

FROM: R. G. Kovach, LANL *PO for*

SUBJECT: MONTHLY REPORT FOR MAY 1994 - EXPLORATORY STUDIES
FACILITY FIELD TEST COORDINATION OFFICE (SCPB: N/A)

JP 92-20 ESF NORTH PORTAL PAD AND FACILITIES

Construction at the Exploratory Studies Facility (ESF) continued this month with Kiewit/PB preparing the ESF for pouring the concrete invert and construction of the launch chamber.

Tracer water used underground for May 1994 totaled 6.2 kiloliters (1,638 gallons) showing a total usage (revised) of 1,758.9 kiloliters (464,623 gallons).

JP 92-20A GEOLOGIC MAPPING

No geologic mapping took place this month.

JP 92-20B PERCHED WATER

No perched water was identified during the month.

JP 92-20C CONSOLIDATED SAMPLING

No consolidated sampling took place this month.

JP 92-20D CONSTRUCTION MONITORING

The Sandia National Laboratories (SNL) Field Team monitored the Multipoint Borehole Extensometer gauges and rockbolt load cells located in the test alcove and the main ESF. The removal of the invert in the starter tunnel resulted in the removal of the convergence pins. These pins will be reinstalled as soon as construction activities allow.

I-357859
B/MH

*523
Justin (P/NRC)
Boyle
Foster
Gudley
Wilson*

6/6/94

*102.8
WM-11
M403*

9407120031 940601
PDR WASTE
WM-11 PDR

R. D. Oliver, LANL
MONTHLY REPORT
June 1, 1994

LA-EES-13-LV-06-94-003
Page 2 of 3

JP 92-20E HYDROCHEMISTRY TESTS IN THE ESF NORTH RAMP STARTER
TUNNEL ALCOVE #1

The U.S. Geological Survey completed a television log of all three drill holes (ESF Alcove #1 - Radial Borehole Tests #1, #2, and #3). The vacuum system used in drilling the three drill holes was attached to each hole via a manifold system. Pumping to evacuate traced drilling air from the holes proceeded for about one week (during which time samples were taken of the evacuated air). The holes were closed in and instrumented for a week of monitoring.

FRAN RIDGE ESF TEST AREA

Engineered Barrier - Large Block Tests

Reynolds Electrical and Engineering Company, Inc. (REECo) commenced removal of rock from around the large block. Approximately 1 meter (39 in) of material was removed around the large block.

The removal of rock from around the large block allowed the set-up of a horizontal wire rope saw. The top of the block was cut off providing a smooth flat surface.

REECo cleaned off the area of the first dye test and the SNL Field Team mapped the fractures for a second time. A second and third dye test area was identified, and those areas were cleaned of rubble. The dye test was completed on the two new areas and the fractures mapped by the SNL Field Team. As excavation continued, the two new dye areas were mapped for a second time.

As excavation continued, REECo commenced installing rockbolts to secure a chain link fence on the vertical sides of the cut around the large block.

Raytheon Services Nevada completed the rockbolt pull-test study.

Excavation around the large block continues.

RGK:jp28

Cy: W. J. Boyle, DOE/YMSCO, MS 523
T. I. Fortner, DOE/YMSCO, MS 523
W. A. Girdley, DOE/YMSCO, MS 717
W. A. Wilson, DOE/FOC, MS 717
M. L. Renegar, CRWMS M&O, MS 423
T. M. Leonard, REECo, MS 750
L. E. Watson, RSN, MS 403
L. S. Costin, SNL, Albuquerque, NM, Dept. 6313

R. D. Oliver, LANL
MONTHLY REPORT
June 1, 1994

LA-EES-13-LV-06-94-003
Page 3 of 3

Cy cont'd:

T. M. Leonard, REECo, MS 750
W. C. Kopatich, RSN, MS 403
L. E. Watson, RSN, MS 403
L. S. Costin, SNL, Albuquerque, NM, Dept. 6313
D. S. Kessel, SNL/LV, MS 509
R. W. Craig, USGS/LV, MS 509
M. P. Chornack, USGS, Denver, CO
D. L. Edwards, USGS/LV, MS 509
R. W. Spengler, USGS, Denver, CO
S. C. Beason, USBR, Denver, CO
M. F. Fahy, USBR, Denver, CO
W. Lin, LLNL, Livermore, CA
A. J. Mitchell, LANL, CST-10/LV, MS 527
D. M. Boak, LANL, EES-13/LV, MS 527
N. Z. Elkins, LANL, EES-13/LV, MS 527
H. N. Kalia, LANL, EES-13/LV, MS 527
K. L. Kinter, LANL, EES-13/LV, MS 527
D. J. Weaver, LANL, EES-13/LV, MS 527
EES-13/LV, LANL, MS 527