



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

JAN 19 1995

Robert M. Nelson, Jr., Acting Project Manager, YMSCO, NV

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-95-014 RESULTING FROM
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE
OF NYE COUNTY, NEVADA (SCPB: N/A)

Enclosed is the record of Surveillance YMP-SR-95-014 conducted
by the YMQAD at the Nye County facilities at the Yucca Mountain
site, Nevada, November 9, 1994.

The purpose of the surveillance was to verify that the Nye
County drilling operation was being performed in compliance to
the Quality Assurance control requirements set forth in the
Test Planning Package 95-03, Revision 0.

This surveillance is considered completed and closed as of the
date of this letter. A response to this surveillance record
and any documented recommendations is not required.

If you have any questions, please contact either Robert B.
Constable at 794-7945 or Fred H. Lofftus at 794-7190.

R. E. Spence

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1778

Enclosure:
Surveillance Record
YMP-SR-95-014

250000

YMP-5

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PDR WASTE
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JAN 19 1995

cc w/encl:

D. A. Dreyfus, HQ (RW-1) FORS
R. W. Clark, HQ (RW-3.1) FORS
C. J. Henkel, NEI, Washington, DC
J. G. Spraul, NRC, Washington, DC
W. L. Belke, NRC, Las Vegas, NV
R. R. Loux, NWPO, Carson City, NV
Cyril Schank, Churchill County Commission, Fallon, NV
D. A. Bechtel, Clark County Comprehensive, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners,
Yucca Mountain Information Office, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
V. E. Poe, Mineral County, Hawthorne, NV
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA
L. W. Bradshaw, Nye County, Tonopah, NV
William Offutt, Nye County, Tonopah, NV
Florindo Mariani, White Pine County, Ely, NV
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OFFICE OF
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ORGANIZATION/LOCATION:
Nye County, Area 25, UE-25
ONC#1, Yucca Mountain Site,
NV

²SUBJECT:
Nye County Drilling Program

³DATE: 12/9/94

⁴SURVEILLANCE OBJECTIVE: To verify that the Nye County drilling operation is being performed in compliance with the Quality Assurance Control requirements as set forth by the Test Planning Package 95-03, Revision 0.

⁵SURVEILLANCE SCOPE:
The scope of this surveillance included the following:
a. Documentation of the water consumed.
b. Documentation of the TFM (Tracer, Fluid & Materials) used.
c. Measures taken to control the spillage of hydrocarbons.
d. Reporting any perched water encountered.

⁶SURVEILLANCE TEAM:
Team Leader:
Fred H. Lofftus
Additional Team Members:
Patout H. Cotter

⁷PREPARED BY: *Fred H. Lofftus*
Fred H. Lofftus 12/9/94
Surveillance Team Leader Date

⁸CONCURRENCE:
N/A
QA Division Director Date

SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:
See pages 2 and 3

¹⁰SURVEILLANCE CONCLUSIONS:
See page 3

¹¹COMPLETED BY:
Fred H. Lofftus
Fred H. Lofftus 1/13/95
Surveillance Team Leader Date

¹²APPROVED BY:
Robert W. ...
Robert W. ... 1-18-95
QA Division Director Date

ENCLOSURE

Block 9 (continued) Basis of Evaluation/Description of Observations:

On December 6, 1994, Nye County Nuclear Waste Repository Project Office commenced their on-site independent verification and testing activities as agreed to by the Department of Energy (DOE) in accordance with the "Protocol Addressing Procedures for Nye County On-Site Representation During Yucca Mountain Project Site Characterization Activities" (the Protocol) and "Appendix A: Access and Procedures for On-site Independent Verification and Testing." The responsibility of DOE during testing by Nye County is limited to maintaining the integrity of the site in accordance with 10 CFR 60.15 (d) (1). In assuring that activities performed by Nye County would have no adverse affect on the site, Test Planning Package (TPP) 95-03, Revision 0, "Nye County Drilling: UE-25 ONC#1 and USW NRG-4 Instrumentation" was assembled by DOE outlining quality affecting requirements which must be observed to ensure site integrity.

This surveillance was performed to assure that these requirements were met by Nye County during their drilling activities at UE-25 ONC#1.

The status of the Nye County drilling program at the time of this surveillance was:

- a) Borehole depth of 336 feet. Note: projected depth is 1,800 feet.
- b) Drilling was being performed dry.
- c) Changing out the drill bit was in process.
- d) No perched water bodies encountered to date.

The following quality attributes, as derived from TPP 95-03, were verified:

- a. No apparent low spots where water would be trapped.
- b. Drainage ditches on the low side of the pad.
- c. Stationary equipment was placed on sheets of plastics to catch oil spills.
- d. An empty 7000 gallon tank was available on the drilling site in the event that perched water is encountered during the drilling operation.
- e. The drilling operation is dry, no water is used for dust control. (Dust is controlled by means of a self contained vacuum system.)
- f. The records indicate that tracers have not been used in the air to flush the cuttings out of the borehole.
- g. A material record is maintained to indicate the kind and amount of materials used. So far, the records contain only those materials used to cement the casing in place, i.e., cement, cal-seal (60 Gypsum cement). Note: The daily log indicated calcium chloride which is to be corrected to calcium sulfate (cal-seal is calcium sulfate or gypsum).

In addition, periodic monthly inspections of the pad are required by the TPP. Drilling operation started on 12/6/94, so periodic inspections, as such, had not been performed.

Block 10 (continued) Surveillance Conclusions:

No discrepancies were noted. The Nye County drilling operation is being conducted in accordance to a documented program, i.e., TTP 95-03, Revision 0. In the performance of this surveillance, the cooperation and courtesy encountered from all persons contacted was excellent.

Persons Contacted:

N. Bartley	M&O/Duke
T. King	Drilling Supervisor
R. Wemheuer	M&O/FO
P. Hastings	M&O/Duke
S. Sims	Nye County, Assistant Project Manager