



DEPARTMENT OF ENERGY
Office of Civilian Radioactive Waste Management
Office of Geologic Disposal
Yucca Mountain Site Characterization Project Office
P.O. Box 98608
Las Vegas, NV 89193-8608

WBS 1.2.11
QA: N/A

DEC 22 1993

Robert F. Pritchett
Technical Project Officer
for Yucca Mountain
Site Characterization Project
Reynolds Electrical & Engineering Co., Inc.
P.O. Box 98521
Las Vegas, NV 89193-8521

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-94-018 RESULTING FROM YUCCA MOUNTAIN
QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE OF REYNOLDS ELECTRICAL &
ENGINEERING CO., INC. (REECO) (SCP: N/A)

Enclosed is the record of Surveillance YMP-SR-94-018 conducted by YMQAD at the
REECO facilities at Yucca Mountain, Nevada, December 16, 1993.

The purpose of the surveillance was to determine if there was any impact to
quality-affecting work due to damage to the borehole casing stickup at NRG-02.

This surveillance is considered completed and closed as of the date of this
letter.

If you have any questions, please contact either Robert B. Constable at
794-7945 or Richard L. Weeks at 794-7853.

Richard E. Spence

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1315

Enclosure:
Surveillance Report YMP-SR-94-018

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ADD: Ken Hooks

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cc w/encl:

D. A. Dreyfus, HQ (RW-1) FORS
R. W. Clark, HQ (RW-3.1) FORS
J. W. Gilray, NRC, Las Vegas, NV
K. R. Hooks, NRC, Washington, DC
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
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Florindo Mariani, White Pine County, Ely, NV
B. R. Mettam, County of Inyo, Independence, CA
Mifflin and Associates, Las Vegas, NV
S. L. Bolivar, LANL, Los Alamos, NM
R. E. Monks, LLNL, Livermore, CA
J. A. Jackson, M&O/TRW, Las Vegas, NV
W. J. Glasser, REECO, Las Vegas, NV
D. J. Tunney, RSN, Las Vegas, NV
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OFFICE OF

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Surveillance No. YMP-SR-94-018

**RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.**

QUALITY ASSURANCE SURVEILLANCE RECORD

¹ ORGANIZATION/LOCATION: REECo/NTS

² SUBJECT: NRG-2 Stick-up

³ DATE: 12/16/93

⁴ SURVEILLANCE OBJECTIVE: Determine impact to quality due to damaged borehole casing stick-up.

⁵ SURVEILLANCE SCOPE: Evaluate an incident in which a water truck damaged borehole casing stick-up at NRG-2. Determine impact to quality.

⁶ SURVEILLANCE TEAM:
Team Leader:

Richard L. Weeks

Additional Team Members:

N/A

⁷ PREPARED BY:

C.L. Weeks for

Richard L. Weeks

12/17/93

Surveillance Team Leader

Date

⁸ CONCURRENCE:

RC Spence
QA Division Director

12/17/93
Date

SURVEILLANCE RESULTS

⁹ BASIS OF EVALUATION / DESCRIPTION OF OBSERVATIONS:
See Attached, Page 2 of 2

¹⁰ SURVEILLANCE CONCLUSIONS:
See Attached, Page 2 of 2

¹¹ COMPLETED BY:

C.L. Weeks for

Richard L. Weeks

12/17/93

Surveillance Team Leader

Date

¹² APPROVED BY:

RC Spence
QA Division Director

12/27/93
Date

⁹ Basis of Evaluation/Description of Observations:

The purpose of this surveillance report is to determine the impact on quality-affecting work, if any, due to an incident in which a water truck accidentally bumped into a drillhole casing stick-up causing damage.

On December 6, 1993, a Reynolds Electrical and Engineering Company, Inc. (REECo) water truck backed over the borehole casing stick-up at NRG-2, causing the casing to break off approximately five feet below the top of the casing. REECo maintenance personnel repaired the casing within several hours of the incident.

The following day, December 7, 1993, geophysical logging activities were successfully conducted at this borehole. Discussions with Loren "Bud" Thompson, Geophysical Logging Coordinator, indicated that logging activities were completed as expected, casing depth was determined to be at the predicted depth and logging was completed to the bottom of the hole.

The following personnel were contacted during the surveillance:

Arch Girdley, U.S. Department of Energy, Regulatory and Site Evaluation
Division, Field and Test Coordinator
Clarence Mason, REECo, Department Manager, Yucca Mountain Site
Characterization Project Drilling
Loren "Bud" Thompson, Science Applications International Corporation,
Geophysical Logging Coordinator

¹⁰ Surveillance Conclusions:

It is concluded that there has been no impact on quality as a result of this incident. The purpose of boreholes is to facilitate the acquisition of data and, because the borehole was successfully logged, this purpose has been met.