



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

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 QA

DEC 20 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-94-015 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE OF REYNOLDS ELECTRICAL & ENGINEERING CO., INC. (REECO) WITH REGARD TO MATERIAL IDENTIFICATION AT THE YUCCA MOUNTAIN SITE (SCP: N/A)

Enclosed is the record of Surveillance YMP-SR-94-015 conducted by the YMQAD of REECO's material identification at the Yucca Mountain Site on December 13, 1993.

The purpose of the surveillance was to verify procedural compliance to the requirements of REECO procedure MC-04.5 relative to material identification.

No corrective action requests were generated as a result of this surveillance. A response to this surveillance report and any documented recommendations is not required.

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 (702) 794-7945 or Fred H. Lofftus at (702) 794-7190.

R. E. Spence

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-1246

Enclosure:
 Surveillance Record YMP-SR-94-015

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 PDR WASTE PDR
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ADD: Ken Hooks
 Ltr. Encl.
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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 Commissioner, 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
B. R. Mettam, Inyo County, Independence, CA
M. R. Mifflin, Mifflin and Associates, Las Vegas, NV
L. L. Bolivar, LANL, Los Alamos, NM
R. E. Monks, LLNL, Livermore, CA
J. A. Jackson, M&O/TRW, Las Vegas, NV
W. J. Glasser, PSDO/REEC, Las Vegas, NV
K. J. Tunney, RSN, Las Vegas, NV
R. R. Richards, SNL, 6319, Albuquerque, NM
T. H. Chaney, USGS, Denver, CO
J. B. Harper, SAIC, Las Vegas, NV
C. K. Van House, YMOAD/QATSS, Las Vegas, NV
R. L. Maudlin, YMOAD/QATSS, Las Vegas, NV
C. J. Henkel, EEI, Las Vegas, NV

OFFICE OF

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

QUALITY ASSURANCE SURVEILLANCE RECORD

¹ ORGANIZATION/LOCATION: REECo/YMS	² SUBJECT: Material Identification	³ DATE: 12/10/93
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⁴ SURVEILLANCE OBJECTIVE: Verify proper identification of items.

⁵ SURVEILLANCE SCOPE: To verify procedural compliance to the requirements of the REECo procedure MC-04.5 relative to the identification and control of items, parts, and components designated for use in the starter tunnel.	⁶ SURVEILLANCE TEAM: Team Leader: <u>Fred H. Lofftus</u> Additional Team Members:
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⁷ PREPARED BY: <u>Fred H. Lofftus</u> <u>Fred H. Lofftus</u> <u>12/8/93</u> Surveillance Team Leader Date	⁸ CONCURRENCE: <u>R. Spence</u> <u>12/9/93</u> QA Division Director Date
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SURVEILLANCE RESULTS

⁹ BASIS OF EVALUATION / DESCRIPTION OF OBSERVATIONS:

¹⁰ SURVEILLANCE CONCLUSIONS:

¹¹ COMPLETED BY: <u>Fred H. Lofftus</u> <u>12/15/93</u> Surveillance Team Leader Date	¹² APPROVED BY: <u>R. Spence</u> <u>12/17/93</u> QA Division Director Date
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⁹ BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS

This surveillance was performed in the Reynolds Electrical and Engineering Company, INC. (REECO), secured outdoor storage area at the Yucca Mountain Site Exploratory Studies Facility Starter Tunnel area on 12/13/93. The objective of the surveillance was to verify procedural compliance with regard to identification of items. The interim work site storage yards consisted of four secured segregated areas designated as:

1. Items requiring inspection.
2. Q items/material accepted for construction.
3. Non-Q items accepted for construction.
4. Hold area containing red tag--nonconforming--materials and items awaiting additional information.

The following personnel were contacted:

V.L. Sorensen, REECO, Senior Material Control Agent
D.C Hannaway, REECO, Senior Material Control Agent

Material and items reviewed for evidence of control and identification in accordance with REECO Procedure MC-04.5, Revision 1, Material Identification, were:

Hold Area:

- a. Water pipe, green tagged, additional information required for release.
- b. Wire mesh, tagged with Purchase Order (PO) number for traceability. Additional information required for release.
- c. Four and six inch diameter PVC pipe on hold for lack of installation procedure, PO No. #6-2-TMM-2032, REECO hold tag in place.
- d. Emergency landing mats required by the state of Nevada, Hold tag damaged and loose, to be replaced. (This is a non quality affecting item.)

Q items/material released for construction:

- a. Shotcrete, Burell, 11/15/93, PO No. 6527CUW012, green release tag with the red border attached.

- b. Lattice girders, identified with the REECo PO No. 93-YPO13.
- c. Chain link fencing for use in the alcove, tagged for identification.
- d. Enclosed storage shed containing nine barrels and eight 5-gallon buckets of rockbolt components. Verified only that the containers were identified by labels traceable to procurement documents.

¹⁰ SURVEILLANCE CONCLUSIONS

Material identification and segregation in the two secured storage areas examined were found to be adequate and well managed. Housekeeping was excellent and drainage appears to be adequate. Items sensitive to the environment were adequately protected. Compliance to REECo Procedure MC-04.5 was verified. No deficiencies were identified during the surveillance.

Two recommendations are offered for managerial consideration.

- 1. The secured area for nonconforming items should be used exclusively for that purpose, items on hold awaiting additional information before being released for construction should be in their own secured area. The space presently allocated for nonconforming items is a large area, which could be divided in half for this purpose.
- 2. Although all items examined were identified for traceability purposes, there is inconsistency in the type of tags used. It is recommended that only one type of tags be used for material identification and release.