



## 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

MAR 2 1994

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-94-031 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-94-031 conducted by the YMQAD at  
the REECO and Raytheon Services Nevada facilities at the Yucca Mountain Site,  
Nevada, February 7, 1994.

The purpose of the surveillance was to determine if there was any impact to  
quality-affecting work due to noncompliance with nonconformance report  
requirements.

No corrective action requests were issued as a result of this surveillance.

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

If you have any questions, please contact either Robert B. Constable at  
794-7945 or Sandra D. Bates at 794-7166.

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2210

Enclosure:  
Surveillance Record YMP-SR-94-031

08:187

9403100273 940302  
PDR WASTE PDR  
WM-11

ADD: Ken Hooks Ltr. Encl.

102.7  
WM-11  
NHD3

MAR 2 1994

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

PAGE 1 OF 3  
Surveillance YMP-SR-94-081

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

<sup>1</sup>ORGANIZATION/LOCATION: REECO/RSN  
Yucca Mountain Site

<sup>2</sup>SUBJECT: Control of  
Nonconformances

<sup>3</sup>DATE: 2/7/94

<sup>4</sup>SURVEILLANCE OBJECTIVE: Evaluate Control of Nonconformances as a follow-up to  
OCRWM Audit YMP-94-013 of Raytheon Services Nevada.

<sup>5</sup>SURVEILLANCE SCOPE:

- (1) Verify control of nonconforming Gauge PTL #W5765,  
which was removed without hold tag disposition (see  
RSN Nonconformance Reports RSN-Y-0017-0 and  
RSN-Y-0017-1).
- (2) Review procedures and interview personnel to determine  
whether adequate interface controls are in place to  
control nonconforming items.

<sup>6</sup>SURVEILLANCE TEAM:

Team Leader:

S. D. Bates

Additional Team Members:

<sup>7</sup>PREPARED BY:

*S. D. Bates*

Surveillance Team Leader

2/1/94

Date

<sup>8</sup>CONCURRENCE:

*R. J. Prince*

QA Division Director

2/2/94

Date

SURVEILLANCE RESULTS

<sup>9</sup>BASIS OF EVALUATION / DESCRIPTION OF OBSERVATIONS:

See Page 2

<sup>10</sup> SURVEILLANCE CONCLUSIONS:

See Page 3

<sup>11</sup> COMPLETED BY:

*S. D. Bates*

Surveillance Team Leader

2/22/94

Date

<sup>12</sup> APPROVED BY:

*R. J. Prince*

QA Division Director

2/28/94

Date

**BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:**

- (1) Ashcroft Temperature Probe Gauge PTL No. W5765 was located and viewed to determine that the correct hold tag was still attached and that it was not in use. The Reynolds Electrical and Engineering Company, Inc. (REECo) Calibration Foreman stated that the gauge will be held at the calibration laboratory until retesting can be scheduled.**
- (2) Raytheon Services Nevada (RSN) and REECo Quality Assurance (QA) personnel were interviewed and procedures were reviewed to determine whether adequate interface controls are in place to control nonconforming items. Nonconformances in the future will be initiated in accordance with Yucca Mountain Site Characterization Project Procedure (YAP)-15.1Q, Control of Nonconforming Items; therefore, identified procedural inadequacies have been addressed. A review of personnel assignments was conducted to determine if cognizant personnel are being trained to YAP-15.1Q. REECo memorandum dated February 4, 1994, Straub to Distribution, contains a request that management review the training assignments for personnel who were trained to REECo procedure MC-11.2, Nonconformance Control, to determine which staff members will be required to train to YAP-15.1Q. REECo training records list 82 personnel trained to MC-11.2 and 25 personnel trained to YAP-15.1Q as of today's date. RSN has requested that 22 cognizant employees be trained to YAP-15.1Q, and a list is being maintained and checked off as training is completed.**

**The following personnel were contacted during the surveillance:**

**David Hackbert, REECo, Senior Quality Assurance Specialist  
Kristi Hodges, REECo, Senior Quality Assurance Specialist  
Clarence Mason, REECo, Department Manager, Yucca Mountain Site  
Characterization Project Drilling  
Jeffrey Moore, RSN, Field Inspector  
Donald Ponton, REECo, Calibration Foreman  
Joseph Rue, REECo, Principal Specialist  
Daniel Tunney, RSN, Quality Assurance Supervisor  
Betty C. Williams, REECo, Office Assistant III  
Perry Wilson, REECo, Sr. Quality Assurance Specialist  
David Wonderley, REECo, Project Manager**

**<sup>10</sup>SURVEILLANCE CONCLUSIONS:**

- (1) It was verified that nonconforming gauge PTL No. W5765 is being controlled. A hold tag is still attached to the calibrated item and the item is not in use. Furthermore, the system from which the hold tag and gauge was removed is not being used at present.**
- (2) It was determined that procedure YMP-15.1Q includes adequate interface controls for nonconforming items. Since employees designated by management as requiring training to YAP-15.1Q may not all be trained as of this date, it is suggested that follow-up be made by REEC Co and RSN training personnel to assure that cognizant staff is trained to the procedure.**