To: Ken Hooks

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

WBS 1.2.9.3
QA

APR 30 1991

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

EVALUATION OF RESPONSE TO CORRECTIVE ACTION REQUEST (CAR) YM-91-032 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT 91-02 OF REYNOLDS ELECTRICAL & ENGINEERING CO., INC.

The YMQAD staff has evaluated the response to CAR YM-91-032. The response has been determined to be satisfactory. Verification of completion of the corrective action will be performed after the effective date provided. Any extension to this date must be requested in writing with appropriate justification prior to the date. Please send a copy of extension requests to Nita J. Brogan, Science Applications International Corporation, Las Vegas, Nevada.

If you have any questions, please contact either Catherine E. Hampton at 794-7973 or Terry W. Noland at 794-7212.

Donald G. Horton, Director
Yucca Mountain Quality Assurance Division

YMQAD:CEH-3454

Enclosure:
CAR YM-91-032

cc w/encl:
K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
W. J. Glasser, REECo, Las Vegas, NV
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-08

cc w/o encl:
J. W. Gilray, NRC, Las Vegas, NV

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

14CAR NO.: YM-91-032
DATE: 03/07/91
SHEET: 1 OF 2
QA
WBS No.: 1.2.9.3

CORRECTIVE ACTION REQUEST

1 Controlling Document	2 Related Report No.
REECo QAPP, 568-DOC-115	AUDIT NO. 91-02

3 Responsible Organization	4 Discussed With
REECo QA	M. Fox, D. Hackbert

10 Response Due	11 Responsibility for Corrective Action	12 Stop Work Order Y or N
30 Days After Issue	R. F. Pritchett	No

5 Requirement:

QAPP, Rev. 8, Sect. 18, Para. 1.1.1 states in part, " REECo shall conduct internal audits (covering their entire QAPP, on an annual basis) and external (direct subcontractor) audits of activities under its direct control."

6 Adverse Condition:

1. Only 4 of their 11 scheduled audits were performed by REECo in 1990.
2. The QA Department and Criteria 16 and 18 were not scheduled for an audit in 1990 and are not scheduled for an audit on the 1991 Revision 0 Audit Schedule.

7 Recommended Action(s):

Identify the remedial action(s) to be taken to correct the deficiencies noted in Block 6. Investigate the program process, activities or documentation to determine the extent and depth of similar deficient conditions on the CAR. Identify these deficiencies and provide the

8 Initiator / Date:	9 Severity Level -	13 Approved By: / Date:
T. N. Noland 02/27/91	1☐ 2☒ 3☐	OQA 3-11-91

15 Verification of Corrective Action:

16 Corrective Action Completed and Accepted:	17 Closure Approved By:
QAR _____ Date _____	OQA _____

ENCLOSURE

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

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CORRECTIVE ACTION REQUEST
(continuation sheet)

7 Recommended Action(s) (continued)

measures required to correct them. Identify the cause of the condition and the planned corrective action to prevent recurrence.

Original

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

CAR NO. YM-91-032
DATE: 04-12-91
SHEET: 1 OF 2

CORRECTIVE ACTION REQUEST
(continuation sheet)

CORRECTIVE ACTION RESPONSE: CAR YM-91-032

1. CORRECTIVE ACTION FOR DEFICIENT CONDITION # 1

A. Extent of Deficiency:

There were twelve (12) organizations to audit on the 1990 Audit Schedule. Audits were conducted of the Weld & Physical Standards Laboratory (REECo-001-90), Control Department (REECo-003-90), Management Office (REECo-004-90) and Human Resources (REECo-005-90). The audits of Operations Equipment (REECo-002-90); Power, Electronics & Communications and Supply & Property were postponed as discussed in Root Cause #2 below. Four YMP organizations (Drilling, Construction, Information Management and Logistical Support) were not audited late in the year because of staffing problems.

B. Root Cause:

1. Inadequate staffing was the cause of not completing the audits of REECo YMP organizations scheduled for the last part 1990.

2. No Quality-Affecting activities were permitted to be accomplished by REECo Matrixed Organizations per DOE Nevada Operations Office direction. Since no Quality-Affecting activities were being performed or allowed, there was no requirement to conduct audits of those REECo Matrixed organizations. This restriction on the use of REECo Matrixed organizations was resolved between the two DOE entities with the signing of a management agreement during December 1990.

C. Remedial Actions:

No remedial actions can be taken to complete those audits which were missed in 1990. Of those audits of organizations (Construction; Drilling; Information Management; Logistical Support; Operations Equipment; Power, Electronics & Communications; and Supply & Property) which were missed in 1990, some have been audited in 1991 (Drilling, Construction & Operations Equipment) or are scheduled for audit in the near future (Information Management-April 91, Power, Electronics & Communications-July 91) or based on the current level of activity (Supply & Property and Logistical Support) will be audited in August 1991.

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CORRECTIVE ACTION REQUEST
(continuation sheet)

CORRECTIVE ACTION RESPONSE: CAR YM-91-032

1. CORRECTIVE ACTION FOR DEFICIENT CONDITION # 1 - Continued

D. Corrective Action to Prevent Recurrence:

1. YMP Quality Assurance Management will ensure that audits are conducted as scheduled.

2. Details associated with staffing are addressed on CAR YM-91-025.

Response Approved: Bruce Tindall For R.F.P. 4/12/91
Responsible Manager Date

REV. 10/90

Original

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

CAR NO. YM-91-032
DATE: 04-12-91
SHEET: 1 OF 1

CORRECTIVE ACTION REQUEST
(continuation sheet)

CORRECTIVE ACTION RESPONSE: CAR YM-91-032

1. CORRECTIVE ACTION FOR DEFICIENT CONDITION # 2

A. Extent of Deficiency:

The YMP QA Department was never audited as a separate line item on the audit schedule.

B. Root Cause:

Management oversight.

C. Remedial Actions: (All Actions To Be Completed By 05/31/91)

1. A Memorandum Of Understanding is being drafted between YMP Quality Assurance and Quality Systems (QS) for QS to audit the YMP QA Department and specific Program responsibilities (e.g., Criterion 16 and 18).

2. Once the Memorandum is effective, a change to the audit schedule will be made to add the audit of YMP QA.

D. Corrective Action to Prevent Recurrence: (Actions To Be Completed By 05/31/91)

See Remedial Actions above.

Response Approved: Bruce Gardella For R.F.P. — Responsible Manager — 4/12/91 Date

RESPONSE ACCEPTED: T.W. Nolan — QAR — 4/19/91 Date

RESPONSE ACCEPTED: Carmen Hampton for — OQA — 4-19-91 Date

REV. 10/90