



**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 17 1993**

William C. Kopatich  
Technical Project Officer  
for Yucca Mountain  
Site Characterization Project  
Raytheon Services Nevada  
101 Convention Center Drive  
Phase II, Suite P-250  
Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST  
(CAR) YM-93-079 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION  
(YMQAD) AUDIT YMP-93-13 OF RAYTHEON SERVICES NEVADA (SCP: N/A)

The YMQAD staff has verified the corrective action to CAR YM-93-079 and  
determined the results to be satisfactory. As a result, the CAR is  
considered closed.

If you have any questions, please contact either Robert B. Constable at  
794-7945 or John S. Martin at 794-7881.

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1260

Enclosure:  
CAR YM-93-079

cc w/encl:  
K. R. Hooks, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
D. J. Tunney, RSN, Las Vegas, NV

cc w/o encl:  
J. W. Gilray, NRC, Las Vegas, NV  
N. J. Brogan, YMQAD/QATSS, Las Vegas, NV

Add: Ken Hooks to encl  
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NHOB/11  
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PDR WASTE  
WM-11 PDR

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

<sup>8</sup> CAR NO. YM-93-079  
DATE: 7/21/93  
PAGE: 1 OF 1  
QA

**CORRECTIVE ACTION REQUEST**

<sup>1</sup> Controlling Document  
PP-06-01, Rev. 1, Controlled Document Distribution

<sup>2</sup> Related Report No.  
YMP-93-13

<sup>3</sup> Responsible Organization  
RSN

<sup>4</sup> Discussed With  
W. Kopatch

<sup>5</sup> Requirement:  
PP-06-01, Rev. 1, paragraph 6.3.3.1 states in part, "...If the document transmittal is not returned within the prescribed time frame..., a follow-up notification (verbal or written) shall be made and documented."

<sup>6</sup> Adverse Condition:  
Contrary to the above, no documented evidence could be produced for follow-up to the following transmittals:

- B. Gardella, dtd. 5/21/93 - for technical review of Design Specification for Rotary Dill Rig
- A. Smith, dtd. 3/26/93 - for PPs issued to Manual No. 33

<sup>9</sup> Does a significant condition adverse to quality exist? Yes \_\_\_ No X  
If Yes, Circle One: A B C

<sup>10</sup> Does a stop work condition exist? Yes \_\_\_ No X; If Yes - Attach copy of SWC  
If Yes, Circle One: A B C D

<sup>11</sup> Response Due Date:  
20 Working Days from Issuance

<sup>12</sup> Required Actions:  Remedial  Extent of Deficiency  Preclude Recurrence  Root Cause Determination

<sup>13</sup> Recommended Actions:  
Identify the remedial action to be taken to correct the deficiency identified in Block 6.  
Identify the extent of the condition and the planned corrective action to prevent recurrence.

<sup>7</sup> Initiator John S. Martin [Signature] Date 7/21/93

<sup>14</sup> Issuance Approved by: [Signature] Date 7/27/93

<sup>15</sup> Response Accepted  
QAR [Signature] Date 8/26/93

<sup>16</sup> Response Accepted  
QADD [Signature] Date 8/31/93

<sup>17</sup> Amended Response Accepted  
QAR \_\_\_\_\_ Date \_\_\_\_\_

<sup>18</sup> Amended Response Accepted  
QADD \_\_\_\_\_ Date \_\_\_\_\_

<sup>19</sup> Corrective Actions Verified  
QAR [Signature] Date 12-15-93

<sup>20</sup> Closure Approved by: [Signature] Date 12/17/93

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

CAR NO. YM-93-079

DATE: 8-23-93

PAGE: 1 OF 1

QA

**CORRECTIVE ACTION REQUEST (Continuation Page)**

A. REMEDIAL:

Written notification was transmitted on 7/27/93 to Mr. A. Smith to return the completed transmittal forms or he would either be removed from the controlled distribution list or his manual decontrolled.

The document received by B. Gardella will be decontrolled.

B. INVESTIGATIVE ACTIONS:

An investigation will be done of all the controlled documents issued to date to determine the extent of the deficiency. Either follow-up notification will be transmitted or the individual will be removed from the controlled distribution list. This investigation will be completed by September 30, 1993.

C. ROOT CAUSE DETERMINATION:

No response required.

D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:

The documents that require controlled distribution shall be monitored more closely to ensure that there is not a recurrence of this situation. A stricter adherence to the procedure shall be invoked.

Response Approved: \_\_\_\_\_

WCK [Signature]  
Responsible Manager

For RL Schreiner

Date \_\_\_\_\_

8/24/93



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

WBS 1.2.11  
QA: N/A

OCT 22 1993

William C. Kopatich  
Technical Project Officer  
for Yucca Mountain  
Site Characterization Project  
Raytheon Services Nevada  
101 Convention Center Drive  
Phase II, Suite P-250  
Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION OF CORRECTIVE ACTION REQUEST (CAR)  
YM-93-079 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD)  
AUDIT YMP-93-13 OF RAYTHEON SERVICES NEVADA (SCP: N/A)

The YMQAD staff has verified the corrective action to CAR YM-93-079 and determined the results to be unsatisfactory because the Master Controlled Distribution List is not up to date for individuals on controlled distribution and for documents needing to be controlled.

Your response, indicating the appropriate corrective action completion date, is required to be submitted to this office within ten working days of the date of this letter. Verification of completion of the required corrective action will be performed after the date provided.

If you have any questions, please contact either Robert B. Constable at 794-7945 or John S. Martin at 794-7881.

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-390

Enclosure:  
CAR YM-93-079

cc w/encl:  
K. R. Hooks, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
D. J. Tunney, RSN, Las Vegas, NV

cc w/o encl:  
J. W. Gilray, NRC, Las Vegas, NV  
N. J. Brogan, YMQAD/QATSS, Las Vegas, NV

Raytheon Services Nevada  
P O Box 95487  
Las Vegas NV 89193-5487

Yucca Mountain Project  
101 Convention Center Drive  
Suite P-230  
Las Vegas, NV 89109

**Raytheon**  
Nov 8 10 42 AM '93

YMP:046:94

WBS 1.2.9  
QA

November 5, 1993

Richard E. Spence  
Director, Quality Assurance Division  
for Yucca Mountain Site  
Characterization Project  
U. S. Department of Energy  
P. O. Box 98608  
Las Vegas, NV 89193-8608

I-349527

*BAK*

REQUEST FOR EXTENSION OF THE DATE TO COMPLETE CORRECTION ACTION TO YUCCA MOUNTAIN  
QUALITY ASSURANCE DIVISION (YMQAD) CORRECTIVE ACTION REQUEST (CAR) YM-93-079  
RESULTING FROM YMQAD AUDIT YMP-93-13

We are requesting an extension to November 30, 1993 to complete all of the  
corrective actions to the subject CAR. During the verification of the corrective  
action to the subject CAR, it was determined that the controlled document master  
list was not up-to-date.

Thank you for your prompt attention to this matter. If there are any questions,  
please contact R. L. Schreiner at 794-7071.

*[Signature]*  
W. C. Kopatich  
Technical Project Officer

WCK:RLS:jcj  
cc: N. J. Brogan, SAIC  
J. L. Rue, RSN  
R. L. Schreiner, RSN  
D. J. Tunney, RSN  
YMP File  
RMC

54  
DIVISION *Spence*  
CC: *Wilson / Smith, R*  
CC: *Wilson / Smith, R*  
CC: *Procoun-ew27*  
CC: *Chancellor / Johnson, SL*  
CC: *RSED-DD*  
CC: *[Signature]*  
CC: *De la Garza*  
CC: *[Signature]*

REC'D IN YMP  
11/8/93

**VERIFICATION OF CAR No. YM-93-13**

Verification of subject CAR was performed on 12/15/93 at Raytheon Services of Nevada (RSN) offices in Las Vegas, Nv.. Verification consisted of documentation review and personnel interviews to determine compliance relative to follow-up of delinquent document transmittals.

Documentation review consisted of verifying that transmittals for controlled documents had been returned within the required time frame or that follow-up had been performed. The following documents and transmittals were reviewed:

Transmittal dated 10/4/93 for RSN Project Procedure PP-04-01, Revision 1, Procedure Interim Change (PIC) No. 3

**Transmittals Verified**

<b>COPY</b>	<b>COPYHOLDER</b>
1	J.W. GILRAY
3	S. ZIMMERMAN
22	D. M. CUNNINGHAM
28	B. H. ANZAI
41	R. D. CRADDLE
55	E. WASSON
63	S. A. NORDICK
73	G. D. WOODARD
81	W. T. MOORE
85	J. JACKSON

Of these transmittals one was found to be delinquent (J. Jackson) follow-up was performed on 12/10/93 and action is pending.

Transmittal dated 11/29/93 for RSN PP-03-03, Revision 1, PIC No. 3; PP-05-02, Revision 1; PP-06-05, Revision 2

**Transmittals Verified**

<b>COPY</b>	<b>COPYHOLDER</b>
1	J.W. GILRAY
3	S. ZIMMERMAN
22	D. M. CUNNINGHAM
28	B. H. ANZAI
41	R. D. CRADDLE
55	E. WASSON
63	S. A. NORDICK

73	G. D. WOODARD
81	W. T. MOORE
85	J. JACKSON

Of these transmittals one was found that had not been returned as of the date of this verification (R. D. Craddle). The time limit for returning the transmittal had not expired and no further action is required at this time.

Transmittal dated 6/4/93 for RSN Surface Based Basis for Design.

**Transmittals Verified**

COPY	COPYHOLDER
8	H. W. BOOTH
15	W. T. MOORE
22	A. ALI

All transmittals were returned within the required time frame.

**Other documents reviewed:**

Controlled Document Master List  
Correspondence No. YMP:IC:094:94 (Decontrol of Controlled Documents)  
From R. L. Schreiner to File  
Correspondence No. YMP:IC:021:94 (Decontrol of Controlled Documents)  
From R. L. Schreiner to File

The following individuals were interviewed to determine their cognizance of procedural requirements relative to follow-up of document transmittals:

J. Jacoby  
J. Rue

These interviews provided positive evidence of their overall knowledge and understanding of procedural requirements.

Based upon completion of corrective action, documentation reviews to verify such, and personnel interviews this CAR is considered closed.

QAR  12-15-93