



Department of Energy
 Yucca Mountain Site Characterization
 Project Office
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 Las Vegas, NV 89193-8608

WBS 1.2.9.3

AUG 13 1992

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 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

EVALUATION OF RESPONSE TO CORRECTIVE ACTION REQUEST (CAR) YM-92-054 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-92-18 OF RAYTHEON SERVICES NEVADA

The YMQAD staff has evaluated the response to CAR YM-92-054. The response has been determined to be unsatisfactory based on the following:

1. The remedial response is inadequate. A quality assurance program cannot be based upon an unwritten "intent," but rather must be based on the explicit written words. Therefore, remedial action must address the missing signatures.
2. In order to preclude recurrence, the procedure PP-19-04, paragraph 6.14.1, must be rewritten in clear and precise language to conform with the apparent intent.

An amended response is required to be submitted to this office within ten working days of the date of this letter. Send the original of your response to Nita J. Brogan, Science Applications International Corporation, Las Vegas, Nevada. If an extension to the due date is necessary, it must be requested in writing with appropriate justification prior to that date.

If you have any questions, please contact either Robert B. Constable at 794-7945 or Neil D. Cox at 794-7236.

R. E. Spence

Richard E. Spence, Director
 Yucca Mountain Quality Assurance Division

YMQAD:RBC-4996

Enclosure:
 CAR YM-92-054

YMP-5

9210070152 920813
 PDR WASTE PDR
 WM-11

ADD: Ken Hooks
Chr. Encl.
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102.7
WM-11
N403

AUG 13 1992

Richard L. Bullock

-2-

cc w/encl:

M. J. Regenda, RSN, Las Vegas, NV
J. H. Rusk, MACTEC, Las Vegas, NV
N. J. Brogan, SAIC, Las Vegas, NV, 517/T-12
K. R. Hooks, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV

cc w/o encl:

J. W. Gilray, NRC, Las Vegas, NV

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

8 CAR NO.: YM-92-054
DATE: 6/26/92
SHEET: 1 OF 1
QA

CORRECTIVE ACTION REQUEST

1 Controlling Document RSN Procedure PP-19-04, Rev. 0		2 Related Report No. YMP-92-18	
3 Responsible Organization RSN		4 Discussed With Jo Ann Leveque	
5 Requirement: Para. 6.14.1 states in part that the TPO shall approve by signature the configuration items Software Producer Form (SPF), Test Document Review Report (TDRR), the Software Design Description Review Report (SDDRR), the Software Verification and Validation Plan (SVVP) and the Software Verification and Validation Plan Review Report (SVVPRR).			
6 Adverse Condition: Contrary to the requirement, there are no lines on the forms for the TPO's signature and there is no evidence that he approved those in the Software Configuration Management Log (SCML) as of 6/23/92.			
9 Does a significant condition adverse to quality exist? Yes ___ No <u>X</u> If Yes, Circle One: A B C		10 Does a stop work condition exist? Yes ___ No <u>X</u> ; if Yes - Attach copy of SWO If Yes, Circle One: A B C D	
		11 Response Due Date: 20 Days from issuance	
12 Required Actions: <input checked="" type="checkbox"/> Remedial <input checked="" type="checkbox"/> Extent of Deficiency <input checked="" type="checkbox"/> Preclude Recurrence <input type="checkbox"/> Root Cause Determination			
13 Recommended Actions: Obtain TPO signature approval on all reports currently in the SCML. Modify forms to have a place for TPO approval or delete the requirement for TPO signature.			
7 Initiator N Cox <i>Neil D. Cox</i> Date <u>7/1/92</u>		14 Issuance Approved by <i>RC Spruce</i> QADD <u>RC Spruce</u> Date <u>7/6/92</u>	
15 Response Accepted QAR _____ Date _____		16 Response Accepted QADD _____ Date _____	
17 Amended Response Accepted QAR _____ Date _____		18 Amended Response Accepted QADD _____ Date _____	
19 Corrective Actions Verified QAR _____ Date _____		20 Closure Approved by: QADD _____ Date _____	

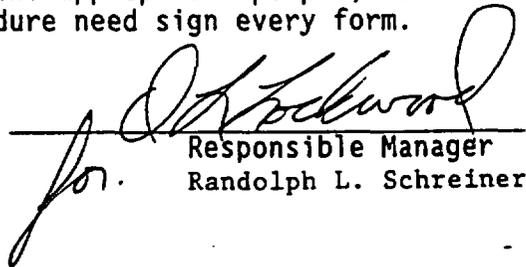
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WASHINGTON, D.C.

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CORRECTIVE ACTION REQUEST (Continuation Page)

- A. Remedial
6.14.1 states "Submits a package which includes SPF, UDRR, TDRR, SDDRR, SVVP, and SVVPRP to CCTO, DESC, QAR, and TPO for their approval. The approval is accomplished by obtaining the required signatures on the respective cover sheets.". The intent of this section is that only the signatures on the current form are required for the approval of that form. Not all of these forms require all the above mentioned signatures. The statement says "the *required* signatures on the *respective* cover sheets."
- B. Extent of Deficiency
There was no evaluation performed for the for the extent of this deficiency since it is not really a deficiency. The forms were approved by the appropriate people and only by the person required to approve that form.
- C. Preclude Recurrence
This deficiency is a matter of misunderstanding. The forms were approved by the appropriate people, not all the people identified in the procedure need sign every form.

Response Approved: _____

for. 
Responsible Manager
Randolph L. Schreiner

Date: _____

8/4/92