

## **Department of Energy**

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

WBS 1.2.11 OA: N/A

## TEC 1 6 1992

Michael D. Voegele Technical Project Officer for Yucca Mountain Site Characterization Project Science Applications International Corporation Bank of America Center, Suite 407 101 Convention Center Drive Las Vegas, NV 89109

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF CORRECTIVE ACTION REQUEST (CAR) YM-92-074 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMOAD) AUDIT YMP-92-23 OF SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

The YMQAD staff has verified the corrective action to CAR YM-92-074 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 A. Edward Cocoros at 794-7242.

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

YMOAD: RBC-1462

Enclosure: CAR YM-92-074

cc w/encl:

K. R. Hooks, NRC, Washington, DC

S. W. Zimmerman, NWPO, Carson City, NV

J. H. Rusk, MACTEC, Las Vegas, NV

D. K. Chandler, SAIC, Las Vegas, NV

J. R. Gonzales, SAIC, Las Vegas, NV

J. B. Harper, SAIC, Las Vegas, NV

B. J. Verna, YMP, NV

A. V. Gil, YMP, NV

cc w/o encl:

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

N. J. Brogan, SAIC, Las Vegas, NV

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ADS: Ken Hooks Ur. Encl. 102.7 11 1/1 ADS: Ken Hooks



# OFFICE OF CIVILIAN

8 CAR NO.:	YM-92-074	
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CORRECTIVE ACTION REQUEST						
1	Controllin	ng Document			2 Related	Report No.
_		, Revision 1			YMP 92-	-23
3	Respons SAIC	ible Organization	1	Discussed With Doug Chandler and	James Harr	er .
5	Requiren	nent:				
	A.	SP 1.32, Revision 1, Pa Management Assessment P	ira 5.2, "Managem Plan states:	ent Assessment" ar	nd Temss 19	991
		"Ensure that team leader QA Program requirements	and team member to successfully	s have the necessa accomplish their a	ry knowled issessment.	ige of
	В.	1991 Management Assessme TEMSS QA Program states:	ent Plan for 1991	Management Assess	sment of th	<b>ne</b>
		Indoctrination and Train QA Management Assessment following:				
6		Condition:	<del></del>		<del></del>	
	Contrary to this requirement, the Assessment Team Members R. Cutshaw, T. Barbour, J. Longenecker and T. Colandrea documented that they had read T£MSS QAPD, Revision 2 in compliance with the requirement, instead of Rev. 4.					
9	Does a s	gnificant condition	10 Does a stop	work condition exist?	?	11 Response Due Date:
	adverse t	o quality exist? YesNo_x	Yes No	x_; if Yes - Attach co	py of SWO	20 Working days from
12		rde One: A B C	If Yes, Circle			1ssuance
	Required		Extent of Deficien	cy 🗓 Preclude Re	ecurrence	Root Cause Determination
10	Necomin	nended Actions:				
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	Initiator	a. Colored Doc	. 0440	14 Issuance Appro	ved by:	alanta
		e Accepted	Date 9/17/9	2 QADD X C	- SAN	Date 7/28/92
	QAR L	llam	Date 10/28/4	QADD AC	Solen	CL Date ///3/92
17		d Response Accepted	•	18 Amended Resp	onsé Accept	ted "
10	Correctiv	re Actions Verified	Date	QADD 20 Closure Approv	ad but	Date
1.4	QAR /	// / ll -2	Date 12/4/95		John L	na nationalista
	WAR /	NUTTO	Date 7 7/ 47	L QADD	·NU	Date /2//5/92

ENCLOSURE

REV. 08/91

8 CAR NO.: 1M-92-074 DATE: 9-17-92 SHEET: 2 OF 2 QA

## **CORRECTIVE ACTION REQUEST (Continuation Page)**

5 Requirements (continued)

date: 4/17/92

o TEMSS QAPD, Revision 4, effective date: 5/31/91

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### CORRECTIVE ACTION REQUEST (Continuation Page)

#### **RESPONSE TO CAR YM-92-074**

#### A. Remedial Action

Based on the results of the investigative action detailed below, the following remedial action will be taken:

Documentation will be placed in the training files for Richard C. Cutshaw, Timothy G. Barbour, John Longenecker and Thomas R. Colandrea to reflect that they actually completed a reading assignment for Revision 4 of the T&MSS QAPD in lieu of Revision 2 of the T&MSS QAPD.

This action will be taken by D. K. Chandler of T&MSS by 11/30/92.

### **B.** Investigative Action

It was determined through interview with management assessment personnel that they actually were provided with Revision 4 of the T&MSS QAPD for completion of their training assignment. Confirmation that Revision 4 of the T&MSS QAPD was the actual document used as the basis for the management assessment was determined by review of Revisions 2 and 4 of the T&MSS QAPD and correlation with the Management Assessment Report. Examples which demonstrate that Revision 4 of the T&MSS QAPD was used are:

- Item B (page 6) of the Management Assessment Report referenced Section 2.2.13 of the T&MSS QAPD for management assessments. This is the correct reference for Revision 4 of the T&MSS QAPD. This section was numbered 2.2.12 in Revision 2 of the T&MSS QAPD.
- 2. Item I (page 15) of the Management Assessment Report referenced Section 2.2.12 of the T&MSS QAPD for indoctrination and training. This is the correct reference for Revision 4 of the T&MSS QAPD. This section was numbered 2.2.11 in Revision 2 of the T&MSS QAPD.

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### CORRECTIVE ACTION REQUEST (Continuation Page)

Since the correct revision of the T&MSS QAPD was used for training of the assessment team members, as well as performance of the management assessment, there is no impact on the quality of the work.

#### C. Root Cause Determination

Although the actual management assessment took place between July 30, 1991 and August 9, 1991, planning for the assessment began in April, 1991. Revision 2 of the T&MSS QAPD was in effect in April 1991. Revisions 3 and 4 of the T&MSS QAPD were issued during May, 1991. Due to an oversight, the assessment team members documented training for the incorrect revision of the QAPD. However, as stated previously, the correct revision of the T&MSS QAPD was provided to the assessment team member for completion of the training assignment. No additional investigative action is required.

#### D. Corrective Action to Preclude Recurrence

A memorandum will be transmitted to T&MSS management personnel by the Project Manager advising them to inform their staff to exercise care to ensure the correct revision of the documents are listed when completing their training assignments.

This action will be taken by D. K. Chandler by 11/30/92.

Prepared by: G. W. Estella Date: 10/27/92

J. W. Estella

T&MSS QA Staff

Approved by: MD Vocace Date: 10/27/52

T&MSS Project Manager

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## CORRECTIVE ACTION REQUEST (Continuation Page)

Mb Notification of Corrective Action 149h2Ver

A. Remedial

Documentation was placed in the training files for K. Cutshaw, T. Barlow, J. Longenecker and T. Colandrea to reflect that they actually completed a reading assignment for Revision 4 of the T&MSS QAPD in lieu of Revision 2.

B. Investigation Action

The action taken was adequate to determine the reason for the problem.

C. Root Course Determination

No additional investigative action is required.

D. Corrective Action to Preclude Recurrance

An interoffice memo was transmitted to the T&MSS management personnel by the Project Manager advising them to inform their staff to exercise care to ensure the correct revisions of the documents are listed when completing their training assignments.

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12.9.92