

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

FEB 2 3 1993

Larry R. Hayes Technical Project Officer for Yucca Mountain Site Characterization Project U.S. Geological Survey 101 Convention Center Drive Suite 860 Las Vegas, NV 89109

EVALUATION OF AMENDED RESPONSE TO CORRECTIVE ACTION REQUEST (CAR) YM-93-013 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-93-01 OF U.S. GEOLOGICAL SURVEY

The YMOAD staff has evaluated the amended response to CAR YM-93-013 dated February 8, 1993. 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 Robert B. Constable at 794-7945 or Cynthia H. Prater at 794-7742

R.C. Spince

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

YMOAD:RBC-2664

Enclosure: CAR YM-93-013

cc_w/encl:

WM-11

K_R, Hooks, NRC, Washington, DC S. W. Zimmerman, NWPO, Carson-City, NV-T. H. Chaney, USGS, Denver, CO R. W. Craig, USGS, Las Vegas, NV R. L. Maudlin, MACTEC, Las Vegas, NV

PDR

cc w/o encl:.J. W. Gilray, NRC, Las Vegas, NV N. J. Brogan, SAIC, Las Vegas, NV D. D. Porter, SAIC, Golden, CO C. J. Henkel, EEI, Las Vegas, NVV B. J. Verna, YMP, NV A. V. Gil, YMP, NV

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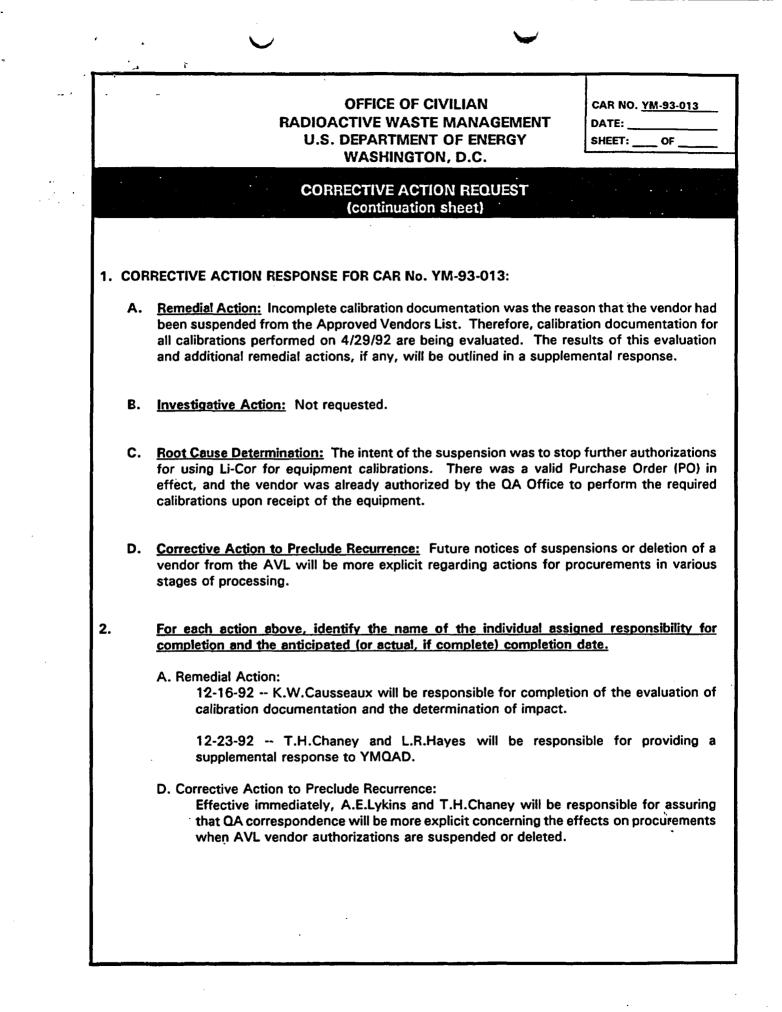
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	DACTIVE WAS	F CIVILIAN STE MANAGEM NT OF ENERG TON, D.C.	ENT	CAR NO.: <u>YM-93-013</u> DATE: <u>10-23-92</u> SHEET: <u>1</u> OF <u>1</u> QA
	RRECTIVE AC	TION REQUES	-	
1 Controlling Document YMP-USGS-QMP-7.01 Rev. 4			2 Related F YMP-93-0	
3 Responsible Organization USGS		iscussed With . Causseaux		
QMP-7.01 R4, M2 Paragraph 5.1.3 s maintained, updated, and distribu description of the service or ite QMP-12-01, R5 Paragraph 5.22 requ on the Approved Vendors List in a	m ire calibration :	service be provide		
Contrary to the above LI-COR provided calibration servi List on April 21, 1992.	ces on April 29,	1992, after being	removed i	from the Approved Vendor
⁹ Does a significant condition	¹⁰ Does a stop v	work condition exist?		11 Response Due Date:
adverse to quality exist? YesNo <u>x</u> If Yes, Circle One: ABC		_; if Yes - Attach cop One: A B C D	y of SWO	20 working days from issuance
¹² Required Actions: 🔀 Remedial 🗌	Extent of Deficiency	y 🚺 Preclude Re	currence [X Root Cause Determination
13 Recommended Actions:	Barfort /	(/41 14 Issuance Approv	ed by:	· · ·
J. Blaylock and C. Prater	Tenta 19910	ADD AC	Jones	Date 11/3/92
15 Response Accepted QAR	Date	16 Response Accep	700	Date
17 Amerideet Response Accepted	Date?/16/93	16 Amended Respo	ase Accepte	
19 Corrective Actions Verified QAR	Date	20 Closure Approve QADD	d y :	Date
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ENCLOSURE

REV. 08/91



OFFICE OF CIVILIAN CAR NO. YM-93-013 **RADIOACTIVE WASTE MANAGEMENT** DATE: _ **U.S. DEPARTMENT OF ENERGY** SHEET: OF WASHINGTON, D.C. **CORRECTIVE ACTION REQUEST** (continuation sheet) **Response Approved:** 3. I. R. Haves For Chief, Yucca Mountain Project Branch T. H. Chaney YMP-USGS Quality Assurance Manager

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

CAR NO	. <u>YM-93-013</u>
DATE:	116 193
SHEET:	OF

CORRECTIVE ACTION REQUEST (continuation sheet)

1. CORRECTIVE ACTION RESPONSE FOR CAR No. YM-93-013:

- A. <u>Remedial Action:</u> Incomplete calibration documentation was the reason that the vendor had been suspended from the Approved Vendors List. Therefore, calibration documentation for all calibrations performed on 4/29/92 was evaluated and found acceptable.
- B. Investigative Action: Not requested.
- C. <u>Root Cause Determination</u>: Upon determination that Li Cor was not providing appropriate calibration documentation, notice was submitted to users of Li Cor's services. However, prior to <u>receipt</u> of the notice, some equipment had been shipped to Li Cor for calibration. The user was not aware of Li Cor's "suspension".
- D. <u>Corrective Action to Preclude Recurrence:</u> Future notices of deletion of a vendor from the AVL will be more explicit regarding actions for procurements in various stages of processing. Those notices will be forwarded to all users of the AVL and the Contracting Officer immediately upon receipt of the determination that the vendor no longer qualifies for the AVL. The notices will advise users that any QA purchases of items and/or services already in process from the referenced vendor shall be halted until the matter is resolved. The users will also be advised to contact the YMPB Administration Officer to coordinate resolution of procurements in process. If the matter cannot be solved in a time frame satisfactory to the needs of the user, another vendor will be used.

The QA staff will be responsible for submitting the notices and following-up with the user to ensure that the project's needs and QA requirements are met.

For each action above, identify the name of the individual assigned responsibility for completion and the anticipated (or actual, if complete) completion date.

- A. Remedial Action: Completed 12-31-92 by Dan Valega.
- D. Corrective Action to Preclude Recurrence:

Effective immediately, A.E.Lykins and T.H.Chaney will be responsible for assuring that QA correspondence will be more explicit concerning the effects on procurements when AVL vendor authorizations are suspended or deleted.

2.

OFFICE OF CIVILIAN CAR NO. YM-93-013 **RADIOACTIVE WASTE MANAGEMENT** DATE: 1/6193 **U.S. DEPARTMENT OF ENERGY** SHEET: ____ OF WASHINGTON, D.C. **CORRECTIVE ACTION REQUEST** (continuation sheet) **Response Approved:** 3. 93 L. R. Haves for Chief, Yucca Mountain Project Branch T. H. Chaney Datè YMP-USGS Quality Assurance Manager



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

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JAN 2 6 1993

Larry R. Hayes Technical Project Officer for Yucca Mountain Site Characterization Project U.S. Geological Survey 101 Convention Center Drive Suite 860 Las Vegas, NV 89109

EVALUATION OF AMENDED RESPONSE TO CORRECTIVE ACTION REQUEST (CAR) YM-93-013 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-93-01 OF U.S. GEOLOGICAL SURVEY

The YMQAD staff has evaluated the amended response to CAR YM-93-013. The response has been determined to be unsatisfactory because it does not commit to the revision of the applicable administrative procedure to incorporate the corrective action identified in Section D.

A 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 Cynthia H. Prater at 794-7742.

YMOAD:RBC-2162

Richard E. Spence, Director Yucca Mountain Quality Assurance Division

Enclosure: CAR YM-93-013

cc w/encl: K. R. Hooks, NRC, Washington, DC S. W. Zimmerman, NWPO, Carson City, NV T. H. Chaney, USGS, Denver, CO R. W. Craig, USGS, Las Vegas, NV R. L. Maudlin, MACTEC, Las Vegas, NV B. J. Verna, YMP, NV A. V. Gil, YMP, NV

cc w/o encl: J. W. Gilray, NRC, Las Vegas, NV M. J. Brogan, SAIC, Las Vegas, NV D. D. Porter, SAIC, Golden, CO

YMP-5

Larry R. Hayes

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JAN 2 6 1993

bcc w/o encl: S. D. Johnson, PSDO/REECo, Las Vegas, NV C. H. Prater, SAIC, Las Vegas, NV

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

CAR	NO.	<u>YM-93-013</u>
DATE	::	
SHEET:		OF

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The QA staff will be responsible for submitting the notices and following-up with the user to ensure that the project's needs and QA requirements are met.

QMP 7.04 draft has been modified to include the above.

2. For each action above, identify the name of the individual assigned responsibility for completion and the anticipated (or actual, if complete) completion date.

- A. <u>Remedial Action:</u> Completed 12-31-92 by Dan Valega.
- D. <u>Corrective Action to Preclude Recurrence:</u> Effective immediately, A.E. Lykins and T.H. Chaney will be responsible for assuring that QA correspondence will be more explicit concerning the effects on procurements when AVL vendor authorizations are suspended or deleted.

A.E. Lykins has already drafted QMP 7.04 with expected approval by February 26, 1993.

OFFICE OF CIVILIAN **RADIOACTIVE WASTE MANAGEMENT U.S. DEPARTMENT OF ENERGY** WASHINGTON, D.C. 0 **CORRECTIVE ACTION REQUEST** (Continuation Page) Response Approved: 3. L. R. Hayes, Date Chief, Yucca Mountain Project Branch T. H. Chaney YMP-USGS Quality Assurance Manager