

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

OCT 1 2 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-93-076 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) AUDIT YMP-93-13 OF RAYTHEON SERVICES NEVADA (SCP: N/A)

The YMOAD staff has verified the corrective action to CAR YM-93-076 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 Stephen R. Dana at 794-7176.

> Richard E. Spence, Director Yucca Mountain Quality Assurance Division

YMOAD:RBC-266

Enclosure: CAR YM-93-076

cc w/encl:

K. R. Hooks, NRC, Washington, DC *

S. W. Zimmerman, NWPO, Carson City, NV D. J. Tunney, RSN, Las Vegas, NV P. G. Jones, M&O/TRW, Las Vegas, NV

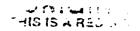
J. C. de la Garza, YMP, NV

cc w/o encl:

J. W. Gilray, NRC, Las Vegas, NV N. J. Brogan, YMQAD/QATSS, Las Vegas, NV

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CORRECTIVE ACTION REQUEST				
¹ Controlling Document QARD, Rev. 0 & PP-02-08, Rev. 1, Training,of MTL	Personnel	² Related Report No. YMP-93-13		
³ Responsible Organization RSN	Discussed With W. Kopatich	& J. Rue		
⁵ Requirement:				
QARD Section 2.2.11, states in part "Each affected or indoctrination, training, and qualification of personnel perso	erforming work subject to verified or, when minimu on for the personnel assign training as assignments,	QARD requirements. The program shall: im education and experience cannot be inment G. Ensure supervisors evaluate positions, and implementing documents		
⁶ Adverse Condition:	<u></u>			
The following deficiencies were found:				
Documented verification of education and exp	erience had not been acc	omplished for V. Thummala.		
The annual evaluation for Level I, Level II, an Certification.	d Level III MTL personne	I was not documented on the Record of		
3) Training to ASTM C 42-90 was not accomplish	ned prior to work initiation	for D. Anderson nor D. Herrington.		
adverse to quality exist? Yes No_X Yes	stop work condition exist No_X; If Yes - Attach (Yes, Circle One: A B	copy of SWO 20 Working Days		
12 Required Actions: ☑ Remedial ☑ Extent of De	ficiency Preclude R	ecurrence Root Cause Determination		
¹³ Recommended Actions:				
Identify the remedial action to be taken to correct the d Identify the extent of the condition and the planned cor In addition, identify the root cause of the deficiencies.				
7 Initiator	14 Issuance Approv			
Date V2	QADD 16 Response Accept	AAAACK Date 7/27/96		
QAR STOW Date 49/	93 DADD	11/4 Date 9/4/93		
17 Amended Response Accepted	· 18 Amended Respo			
QAR Date 19 Corrective Actions Verified	QADD 20 Closure Approve	Date Date		
QAR Salar Date Wi	193 QADD	Phr. Date 10/12/93		

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CORRECTIVE ACTION REQUEST (Continuation Page)

REQUIREMENT (continued)

In implementation of these requirements RSN has generated the following:

- 1) PP-02-02, Rev. 1, "Personnel Selection" paragraph 6.2, which states in part "The Manager, Human Resources shall be responsible for verifying the education and experience of employees and subcontractors of the RSN YMP Office, prior to their performing quality affecting activities."
- 2) PP-02-08, Rev. 1, "Training, Qualification, and Certification of Materials Testing Laboratory Personnel" paragraph 6.9.1, states "Level II, Level II, and Level III MTL personnel shall be evaluated annually by the Examiner. The results of the annual evaluation shall be documented on the Record of Certification."
- 3) PP-02-01, Rev. 1, "Indoctrination and Training" paragraph 6.1.2, states in part "Prior to performing any quality-affecting activity, the employee shall be indoctrinated/ trained as a minimum to the following topics as they relate to a particular function: General criteria, including the QARD, Applicable codes, regulations, and standards."

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CORRECTIVE ACTION REQUEST (Continuation Page)

A. REMEDIAL:

- 1. V. Thummala was an employee of Holmes & Narver (H&N) and continued employment through the transition to RSN. V. Thummala is a DOE "Q" level security cleared employee. A DOE requirement is that all personnel education and background be verified prior to submittal of application to DOE for a "O" clearance.
 - V. Thummala's pre-employment verification was conducted on 6/26/85 by H&N and is present in the RSN Security records. This documentation is now included in the RSN/YMP files.
- 2. Evaluation for Level I, II and III MTL personnel is now current in RSN/YMP records.
- 3. Training of required MTL personnel to the ASTM C-42 Standard is conducted upon the release of all updates. Documentation is now current in the RSN/YMP records of training to ASTM C-42 1990 update, the version cited in CAR.

B. **INVESTIGATIVE ACTIONS:**

Minor. No YMP quality affecting items or work were compromised since all MTL personnel had been verified and trained. Documentation in RSN/YMP records was lacking.

C. ROOT CAUSE DETERMINATION:

Lack of monitoring to ensure that all necessary verification, training and certification documentation had been transmitted to the RSN/YMP records.

D. CORRECTIVE ACTION TO PRECLUDE RECURRENCE:

The Manager, RSN/YMP Field Operations, will monitor MTL personnel verifications, training and annual certifications, and will ensure that necessary documentation is in the records.

Response Approved:	Su G. Water	Date _	8/23/93
	Resnonsible Manager		

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Amended Response

A. REMEDIAL:

- 1. V. Thummala was an employee of Holmes & Narver (H&N) and continued employment through the transition to RSN. V. Thummala is a DOE "Q" level security cleared employee. A DOE requirement is that all personnel education and background be verified prior to submittal of application to DOE for a "Q" clearance.
 - V. Thummala's pre-employment verification was conducted on 6/26/85 by H&N and is present in the RSN Security records. This documentation is now included in the RSN/YMP files.
- 2. Evaluation for Level I, II and III MTL personnel is now current in RSN/YMP records.
- 3. Training of required MTL personnel to the ASTM C-42 Standard is conducted upon the release of all updates. Documentation is now current in the RSN/YMP records of training to ASTM C-42 1990 update, the version cited in CAR.

B. <u>INVESTIGATIVE ACTIONS</u>:

The extent of the condition was minor. All MTL personnel files were verified for qualifications, certifications and training. No YMP quality affecting items or work were compromised because all MTL personnel had been qualified, certified and trained. Documentation in RSN/YMP records was lacking.

C. ROOT CAUSE DETERMINATION:

Lack of monitoring to ensure that all necessary verification, training and certification documentation had been transmitted to the RSN/YMP records.

D. <u>CORRECTIVE ACTION TO PRECLUDE RECURRENCE</u>:

The Manager, RSN/YMP Field Operations, has established a non-proceduralized log and checklist for monitoring of MTL personnel verifications, training, and annual certifications, and will ensure that necessary documentation is in the records.

Response Approved: 🔀	It bullock for LW	_ Date _	9-3-93	
	Responsible Manager	_		-
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VERIFICATION OF CORRECTIVE ACTION REQUEST (CAR) YM-93-076

Verification of corrective action was completed on 10/01/93 by Stephen Dana. The following objective evidence was verified:

- REMEDIAL ACTION (1) Reviewed RSN Memorandum, from A. Tessie S. Landez to Personnel File (Venkatrao Thummala), dated 7/14/93, to certify that the background experience and education of Venkatrao Thummala had been verified; (2) Verified annual certifications had been completed on the Record of Certification for: James Aamodt, Darrin Anderson, Charles Herrington, Rajendar Singal, Roland Strote, and Venkatrao Thummala; (3) Reviewed RSN MTL Reading List of Standards for C. Herrington and D. Anderson. Verified that training has been accomplished to ASTM C-42 1990.
- INVESTIGATIVE ACTIONS See items A and D. B.
- ROOT CAUSE No action required. C.
- CORRECTIVE ACTION TO PRECLUDE RECURRENCE -D. Reviewed the "RSN/YMP Field Operations MTL Verification of Qualifications, Training and Annual Certification Log" (attached).

Signature

Attachment to CAR YM-93-076



RSN/YMP FIELD OPERATIONS MTL VERIFICATION OF QUALIFICATIONS, TRAINING AND ANNUAL CERTIFICATION LOG

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	CEIT.OUE DAT	AMERICA BEST OF CHECKER CHECKER	EYE DOGU DUE DATE	EDUCATION CX	REVOCATION DATE	60 <u>-1118</u>
AAMODT, JAMES E.	05-03-96	05-03-94	07-22-94	X	·	
ANDERSON, DARRIN	05-21-95	05-21-94	02-01-94	X		
HERRINGTON, CHARLES DALE	05-21-95	05-21- 94	09-15-94	X		
MOORE, JOHN GREG	11-21-94	11-21-93	06-21-94	×		
OLMSTEAD, KEVIN C.	05-03-96	05-03-94	08-24-94	×		
SINGAL, RAJENDAR K.	05-21-95	05-21-94	06-22-94	x		
STROTE, ROLAND F.	05-21-95	05-21-94	05-20-94	X		
THUMMALA, VENKATRAO	05-21-95	05-21-94	06-23-94	×		
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