



Department of Energy

Washington, DC 20585

QA: L

JUN 13 1997

L. D. Foust, Technical Project Officer
for Yucca Mountain Site
Characterization Project
TRW Environmental Safety Systems, Inc.
1180 Town Center Drive, M/S 423
Las Vegas, NV 89134

EVALUATION OF RESPONSES TO DEFICIENCY REPORT (DR) YM-97-D-037 AND
PERFORMANCE REPORT (PR) YM-97-P-010 RESULTING FROM OFFICE OF QUALITY
ASSURANCE (OQA) SUPPLIER AUDIT OQA-SA-97-015 OF SIERRA INSTRUMENTS

The OQA staff has evaluated the responses to DR YM-97-D-037 and PR YM-97-P-010. The responses have been determined to be satisfactory. Verification of completion of the remedial actions 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 Deborah Sult, OQA/QATSS, P.O. Box 30307, Mail Stop 455, North Las Vegas, Nevada 89036-0307.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Daniel A. Klimas at (702) 794-0853.

James Blaylock
Donald G. Horton, Director
Office of Quality Assurance

OQA:JB-1708

Enclosure:
DR YM-97-D-037 and
PR YM-97-P-010

cc w/encl:
T. A. Wood, DOE/HQ (RW-55) FORS
J. O. Thoma, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
B. R. Justice, M&O, Las Vegas, NV
R. A. Morgan, M&O, Las Vegas, NV

cc w/o encl:
W. L. Belke, NRC, Las Vegas, NV
D. A. Klimas, OQA/QATSS, Las Vegas, NV
D. G. Sult, OQA/QATSS, Las Vegas, NV
R. W. Clark, DOE/OQA, Las Vegas, NV

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

8 Performance Report
 Deficiency Report
 NO. YM-97-D-037
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: Sierra Instruments QA Manual, Revision F	2 Related Report No. OQA-SA-97-015
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3 Responsible Organization: M&O / Sierra Instruments	4 Discussed With: Hein Bongardt / Charlie Bartley
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5 Requirement/Measurement Criteria:
 Sierra Instruments Quality Assurance Manual, Revision F, Paragraph 4.6.3, states, "Purchase orders include provisions for the following: (e) Quality requirements. (h) Provisions for applying applicable technical and quality requirements to subtier suppliers."

6 Description of Condition:
 Contrary to the above requirements, Sierra Instruments has not included quality requirements in purchase orders for subtier suppliers (i.e., PO #Q2583 dated 12/18/96, Simco Electronics).

7 Initiator Daniel A. Klimas <i>Daniel A. Klimas</i> 4/17/97	9 Is condition an isolated occurrence? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown; Must be Yes if PR
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10 Recommended Action: (Not required for PR)

- 1) Investigate to determine extent of the deficiency.
- 2) Amend purchase orders to include appropriate quality requirements.
- 3) Reinstruct those individuals involved in the development, review, and approval of purchase order documents to requirements.

11 QA Review: QAR <i>Daniel A. Klimas</i> Date <u>4/24/97</u>	12 Response Due Date 20 working days from issuance
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13 Affected Organization QA Manager Issuance Approval: (QAR for PR)
 Printed Name Donald G. Hertel Signature R.W. Clap A. Date 4/25/97

22 Corrective Action Verified QAR _____ Date _____	23 Closure Approved by: (N/A for PR) AOQAM _____ Date _____
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PROR NO. YAL-87-0197

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions.

Purchase Order #Q2583 will be corrected to include the quality requirements that should have been originally applied to this procurement.

15 Extent of Condition: (Not required for PR)

A review of quality affecting procurements initiated in the last year by Sierra Instruments for Yucca Mountain Site Characterization Project work indicates that the subject PO is the only PO issued to a sub-tier supplier by Sierra.

16 Root Cause Determination: (Not required for PR)

Required Yes No

The significance of this deficiency does not merit a root cause determination.

17 Action to Prevent Recurrence: (Not required for PR)

Required Yes No

The individual who initiated PO # Q2583 will refrain to the Sierra procedure for initiating procurements.

18 Corrective Action Completion Due Date:

7/24/97

19 Response by:

Initial

Amended

H. Bongardt

H. Bongardt

Date 5/27/97

800 866-

Phone 0200

20 Response Accepted

UAR

Daniel Klumpp Date 6/7/97

21 Response Accepted (N/A for PR):

AOGAM

J. Blaylock

Date

6/13/97

5/28/97

LV.SPO.TEST.A6B.05/97-094

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8 Performance Report
 Deficiency Report

NO. YM-97-P-010

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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

CRWMS M&O Purchase Order #AO2166JM7C

2 Related Report No.

OQA-SA-97-15

3 Responsible Organization:

CRWMS M&O / Sierra Instruments

4 Discussed With:

Hein Bongardt / Charlie Bartley

5 Requirement/Measurement Criteria:

PO #A02166JM7C, Section I, Part B, states, "The information specified below shall be included on the Calibration Certificate or in the submitted data package: (c) Name of the hardware calibrated. (h) Procedure or instruction and revision used to perform the calibration."

6 Description of Condition:

Contrary to the above requirements, this information, (c) and (h) was omitted from the Certificate of Calibration.

7 Initiator:

Daniel A. Klimas

Date 4/17/97

9 Is condition an isolated occurrence?

Yes

No

Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)

11 QA Review:

QAR

Daniel Klimas

Date 4/24/97

12 Response Due Date

20 working days from issuance

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)

Printed Name

DANIEL KLIMAS

Signature

Daniel Klimas

Date 4/24/97

22 Corrective Action Verified

QAR

Date

23 Closure Approved by: (N/A for PR)

AOQAM

Date

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PR/DR NO. YM-87-P-010

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

The Certificate of Calibration will be corrected to include the name of the hardware calibrated and the procedure/instruction used, including revision number, to perform the work.

15 Extent of Condition: (Not required for PR)

N/A

16 Root Cause Determination: (Not required for PR)

Required Yes No

17 Action to Preclude Recurrence: (Not required for PR)

Required Yes No

18 Corrective Action Completion Due Date:

6/24/97

19 Response by:

Initial *JB*
 Amended

H. Bongardt

Date 5/27/97

800 866-

0200

20 Response Accepted

QAR

Daniel Khumey

Date 10/7/97

21 Response Accepted (N/A for PR):

AOCAM

N/A

Date

5/28/97 1.11 SPDT FCT HQR 10/07-AGU