



Department of Energy

Washington, DC 20585

JUL 22 1997

QA: L

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

ISSUANCE OF DEFICIENCY REPORT (DR) YM-97-D-068 RESULTING FROM
OFFICE OF QUALITY ASSURANCE (OQA) SURVEILLANCE SNL-SR-97-040
OF SANDIA NATIONAL LABORATORIES

Enclosed is DR YM-97-D-068 generated as a result of OQA Surveillance
SNL-SR-97-040.

Please identify the corrective action to be taken and implemented to correct the deficiency.
Send the original of your response to Deborah Sult, OQA/QATSS, P.O. Box 30307, Mail
Stop 455, North Las Vegas, NV 89036-0307. Response to the DR is due 20 working
days from the date of this letter. Any extension to the due date must be requested in
writing, with appropriate justification, prior to the due date.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or
Patrick V. Auer at (702) 794-1495.


Donald G. Horton, Director
Office of Quality Assurance

OQA:JB-1938

Enclosure:
DR YM-97-D-068.

- cc w/encl:
- T. A. Wood, DOE/HQ (RW-55) FORS
- J. O. Thomas, 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
- J. F. Graff, OQA/SNL, Albuquerque, NM, M/S 1325
- F. J. Schelling, M&O/SNL, Albuquerque, NM, M/S 1325
- Andrew Orell, M&O/SNL, Las Vegas, NV

- cc w/o encl:
- W. L. Belke, NRC, Las Vegas, NV
- P. V. Auer, 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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**OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.**

8 Performance Report
 Deficiency Report

NO. YM-97-D-068

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PERFORMANCE/DEFICIENCY REPORT

<p>1 Controlling Document: Quality Assurance Requirements and Description (QARD), Revision 7</p>	<p>2 Related Report No. SNL-SR-97-040</p>
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<p>3 Responsible Organization: Civilian Radioactive Waste Management System Management & Operating Contractor (CRWMS M&O) Sandia National Laboratory</p>	<p>4 Discussed With Ron Price</p>
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5 Requirement/Measurement Criteria:

QARD 4.2.1.B.3, " Procurement documents issued by each Affected Organization shall include the following provisions, as applicable to the item or service being procured: Tests, inspections, and acceptance requirements that the purchaser will use to monitor and evaluate the performance of the supplier shall be specified."

QARD 12.2.7.H, "Measuring and test equipment calibration documentation shall include the following information: Identification of the implementing document (including revision level) used in performing the calibration."

QARD 7.2.6.C, states in part: "Methods for accepting supplier furnished items or services shall include one or more of the following, as appropriate to the items or services being procured: Evaluating the supplier certificate of conformance; Performing one or a combination of source verification, receiving inspection, or post-installation test; Review of objective evidence"

6 Description of Condition:

- Contrary to the above requirement, SNL, purchase order number AT-9239, issued to Geokon, Inc., did not contain an adequate description of acceptance requirements for measuring and test equipment calibration services.
- Contrary to the above requirement, Standards Laboratory Reports (Recall Nos. SNLA-775,Z18222, SNLA-513, test dates 2/1/96, 2/6/97, 2/7/97) issued to SNL by the Primary Standards Laboratory (PSL) do not contain reference to the implementing document used to perform the calibration.
- Contrary to the above requirement, documentation of acceptance was not available to verify acceptance of calibration services provided by the PSL.

<p>7 Initiator Patrick V. Auer <i>Patrick V. Auer</i> Date: <u>7/7/97</u></p>	<p>9 Is condition an isolated occurrence? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown; Must be Yes if PR</p>
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10 Recommended Action: (Not required for PR)

- Evaluate a representative sample of calibration certificates issued by PSL and outside suppliers to determine extent of condition and impact on quality.
- Evaluate a representative sample of purchase orders and service orders issued to outside suppliers and PSL to determine extent of condition and impact on quality.
- Ensure SNL QAIP 4-1, Revision 8, is appropriately trained to and implemented.

QAR *Patrick V. Auer* Date 7/17/97 20 working days from issuance

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)
 Printed Name DONALD G. HORTON Signature *Donald G. Horton* Date 7/22/97

<p>22 Corrective Action Verified QAR _____ Date _____</p>	<p>23 Closure Approved by: (N/A for PR) AOQAM _____ Date _____</p>
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ENCLOSURE

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

PR/DR NO. YM-97-D-068

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

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:

19 Response by:

Initial
 Amended Date Phone

20 Response Accepted

QAR Date

21 Response Accepted (N/A for PR):

AOQAM Date