

Department of Energy
Washington, DC 20585

QA: L

APR 15 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


ISSUANCE OF DEFICIENCY REPORT (DR) YM-97-D-028 RESULTING FROM OFFICE
OF QUALITY ASSURANCE (OQA) SUPPLIER AUDIT OQA-SA-97-012 OF SERVCO
WHICH IS KIEWIT/PARSONS BRINCKERHOFF'S (KIEWIT/PB) VENDOR

Enclosed is DR YM-97-D-028 generated as a result of OQA Supplier Audit OQA-SA-97-012.

Please provide a response to this deficiency that meets the applicable requirements of
Administrative Procedure 16.1Q, Performance/Deficiency Reporting. Send the original of your
response to Deborah Sult, OQA/QATSS, P.O. Box 30307, Mail Stop 455, North Las Vegas,
Nevada 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.

Since responsibility of acceptance of the supplier's documented Quality Assurance Program rests
with the purchaser, response to Item A in Block 6 is to be addressed by Kiewit/PB, including an
evaluation of the extent of this condition.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or
Richard L. Maudlin at (702) 794-1302.


Donald G. Horton, Director
Office of Quality Assurance

OQA:JB-1344

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Enclosure:
DR YM-97-D-028

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PDR WASTE
WM-11 PDR



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WM-11
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APR 15 1997

L. D. Foust

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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

R. E. Armstrong, M&O, Las Vegas, NV

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV

R. L. Maudlin, OQA/QATSS, Las Vegas, NV

D. G. Sult, OQA/QATSS, Las Vegas, NV

R. W. Clark, DOE/OQA, Las Vegas, NV

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

8 ☐ Performance Report
☒ Deficiency Report

NO. YM-97-D-028

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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

SERVCO Industrial QC Manual/Industrial Measuring Equipment Control Manual,
Revision 8.95

2 Related Report No.

OQA-97-SA-012

3 Responsible Organization:

Kiewit/PB / SERVCO

4 Discussed With:

Glenn Anguline, Steve Crane

5 Requirement/Measurement Criteria:

OCRWM QARD, Section 4.0, Subsection 4.2.1, states in part: "Procurement documents issued...shall include...: (B) Technical Requirements... (C) Quality Assurance Requirements including: (1) A requirement for the supplier to have a documented Quality Assurance (QA) program that implements applicable Quality Assurance Requirements and Description... requirements..."

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6 Description of Condition:

Contrary to the above:

- A. SERVCO's Measurement Equipment Control Manual does not require that procurement documents include technical and quality requirements and a purchase order (SID 1273, dated 04/12/95) issued by SERVCO for the calibration of the Optical Wedge (primary standard) used in the calibration of Kiewit/PB equipment (NA-2 and NA-3000) did not include technical and quality requirements.

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7 Initiator

[Signature]

Date 04/04/97

9 Is condition an isolated occurrence?

☐ Yes ☐ No ☒ Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)

Recommendations:

- A. Kiewit/PB review SERVCO Industrial Measuring Equipment Control Manual and require SERVCO to update to include requirement for inclusion of technical and quality requirements in procurement documents for calibration services. Subsequent to this action, SERVCO to assure through review of Purchase Orders (PO) that technical and quality requirements are included in future POs. Determine if any other SERVCO POs for the calibration of standards other than the one noted during this audit have been issued without technical and quality requirements. If so, determine the impact on quality.

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11 QA Review:

QAR *[Signature]*

Date 04/04/97

12 Response Due Date

20 working days from issuance

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

Printed Name

Signature

Date

22 Corrective Action Verified

QAR

Date

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

AOQAM

Date

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WASHINGTON, D.C.

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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

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PR/DR CONTINUATION PAGE

Block 5: (Continued) Requirement/Measurement Criteria

SERVCO Industrial Measuring Equipment Control Manual, Section 5.1, states in part: ".... and Optical Wedge s/n 1001 are calibrated annually by a qualified calibration laboratory. The certification issued citesintervals....environmental conditions...."

SERVCO's Industrial Measuring Equipment Control Manual, Section 5.7, states in part: "The calibration system will be evaluated for adequacy as described in Military Handbook 52B.... An annual audit of the calibration system will include a review for....environmental controls, calibration intervals, calibration procedures...."

Block 6: (Continued) Description of Condition

Note: There is no impact on quality since: (1) The supplier (Cubic Precision) who performed the calibration was the manufacturer; and (2) The Certificate of Calibration did include a statement that the calibrations were performed to the requirements of MIL-STD-45662 which is equivalent to SERVCO's QA program.

- B. No objective evidence could be provided to reflect that the Optical Wedge had been calibrated annually (evidence provided optical wedge calibrated 03/12/93 and 05/05/95). Also, the Certificate of Calibration provided by Cubic Precision did not include the calibration interval and the environmental conditions at the time of the calibration.
- C. There was no objective evidence of an annual internal audit for 1996. A partially completed internal audit checklist was provided for 1997.

Note: There was no impact on quality due to the lack of internal audits by SERVCO since evidence was provided to reflect that customer audits had been performed in 1994, 1995 and this audit in 1997.

Block 10: (Continued) Recommended Action

- B. Assure that all future Certificates of Calibration include all of the information as required by the Industrial Measuring Equipment Control Manual and the associated procurement document.
- C. Perform annual internal audits as required by the SERVCO Measuring Equipment Control Manual. Identify why these audits were not performed in the past and what action will be taken to assure that future internal audits are performed.