



**Department of Energy**

Washington, DC 20585

DEC 03 1996

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Site Characterization Project  
U.S. Geological Survey  
1261 Town Center Drive  
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Las Vegas, NV 89134

**EVALUATION OF RESPONSES TO DR YM-96-D-094 AND PR YM-96-P-032 FROM  
OQA SUPPLIER AUDIT OQA-SA-96-028 OF BALL CORPORATION**

The Office of Quality Assurance staff has evaluated the responses to Deficiency Report YM-96-D-094 and Performance Report YM-96-P-032. The responses have been determined to be satisfactory. Verification of completion of the corrective 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 98608, Mail Stop 455, Las Vegas, Nevada 89193-8608.

If you have any questions, please contact either Mario R. Diaz at (702) 794-1489 or Daniel A. Klimas at (702) 794-1495.

Donald G. Horton, Director  
Office of Quality Assurance

OQA:MRD-0380

Enclosure:  
DR YM-96-D-094 and  
PR YM-96-P-032

cc w/encl:  
J. G. Spraul, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
T. H. Chaney, USGS, Denver, CO  
Records Processing Center

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

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

Performance Report  
 Deficiency Report  
NO. YM-96-D-094  
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QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: Quality Assurance Requirements and Description (QARD) DOE/RW-0333P, Revision 5	2 Related Report No. OQA-SA-96-028
3 Responsible Organization: U. S. Geological Survey/Ball Corporation	4 Discussed With: Tom Chaney/Joe Belohlavek

5 Requirement/measurement Criteria: QARD Section 7.0, Paragraph 7.2.2

7.2.2 Source Evaluation and Selection

- A. Supplier selection shall be based on an evaluation, performed before the contract is awarded, of the supplier's capability to provide items or services in accordance with procurement document requirements.
- B. The organizational responsibilities for source evaluation and selection shall be identified and shall include the Quality Assurance (QA) organization.
- C. Measures for evaluating and selecting procurement sources shall include one or more of the following elements:
  - 1. Evaluation of the supplier's history for providing an identical or similar product which performs satisfactorily in actual use.
  - 2. Evaluation of the supplier's current QA records supported by any documented qualitative and quantitative information.
  - 3. Evaluation of the supplier's technical and quality capability based on an evaluation of supplier facilities, personnel, and QA program implementation.
- D. The results of procurement source evaluation and selection shall be documented.

6 Description of Condition:  
Contrary to the above requirements, Wavetek, who calibrates the reference standards for Ball Corporation, was not shown on the Ball Corporation Qualified Suppliers List and the source evaluation and selection was not documented.

7 Initiator: <i>Daniel A. Klimas</i> Daniel A. Klimas Date 09/03/96	8 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)  
Document the source evaluation method used to qualify Wavetek.

11 QA Review: <i>Daniel A. Klimas</i> QAR <i>Daniel A. Klimas</i> Date 9/3/96	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 <i>Richard E. Fance</i> Signature <i>R. E. Fance</i> Date 9/13/96
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22 Corrective Action Verified QAR Date	23 Closure Approved By: (N/A for PR) AQAM Date
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PRDR NO. YM-86-D-094  
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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

The Wavetek calibration data for the calibrations reviewed during the audit have been evaluated by Ball and the US Geological Survey and found to be technically sound.

15 Extent of Condition: (Not required for PR)

This condition was not found for any other Ball vendors.

16 Root Cause Determination: (Not required for PR)

Required  Yes  No

N/A

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

Required  Yes  No

Ball will evaluate the Wavetek QA Program, and based upon acceptable results will add them to the Ball Approved Vendor List. The evaluation of the Wavetek QA Program will be conducted and documented in accordance with the Ball QA Program.

18 Corrective Action Completion Due Date:

ESK 11/8/96  
December 9, 1996

19 Response by:

Initial *[Signature]* 11/8/96  
 Amended Date Phone

20 Response Accepted:

QAR: *[Signature]* Date 11/22/96

21 Response Accepted (N/A for PR):

A:JQAM Date

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**ORIGINAL**  
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 Performance Report  
 Deficiency Report  
 NO. YM-96-P-032  
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 QA: L

**PERFORMANCE/DEFICIENCY REPORT**

1 Controlling Document:  
 Quality Assurance Requirements and Description  
 DOE/RW-0333P, Revision 5

2 Related Report No.  
 OQA-SA-96-028

3 Responsible Organization:  
 U.S. Geological Survey (USGS)/Ball Corporation

4 Discussed With:  
 Tom Chaney/Joe Belohlavek

5 Requirement/Measurement Criteria:

USGS Purchase Order #1434-CR-96-00358, Section III, "Calibration Documentation," states, in part, "The information specified below shall be included on or with a Certificate of Calibration:... (d) A statement that accuracy of the principal reference standard(s) used in the calibration is greater than (or equal to with documented justification) the required accuracy of the equipment being calibrated."

6 Description of Condition:

Contrary to the above stated requirement, the calibration certificate for USGS Kiethly voltage source 220 did not contain this statement.

7 Initiator: *Daniel Klimas*  
 Daniel A. Klimas

Date: 9/3/96

9 Is condition an isolated occurrence?  
 Yes     No     Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)

11 QA Review: *Daniel Klimas*  
 QAR Daniel A. Klimas Date 9/3/96

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 9/3/96

22 Corrective Action Verified  
 QAR \_\_\_\_\_ Date \_\_\_\_\_

23 Closure Approved by: (N/A for PR)  
 AOQAM \_\_\_\_\_ Date \_\_\_\_\_

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PRDR NO. YM-96-P-037

PAGE 2 OF 2 QA: L

PERFORMANCE DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

It has been determined that the calibration documentation requirement for a statement of accuracy of the principal reference standard(s) is an overcommitment. Purchase Order 1434-CR-96-SA-00358 is now closed and cannot be modified to delete this requirement. All future purchase orders will be processed in accordance with YMP-USGS-QMP-4.01, R8, Procurement Document Control/Receipt of Procurements, effective 10/1/96. Attachment 5 Section 6, Control of Measuring and Test Equipment, of the subject procedure was changed to eliminate this overcommitment.

15 Extent of Condon: (Not required for PR)

n/a

16 Root Cause Determination: (Not required for PR)

Required  Yes  No

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

Required  Yes  No

18 Corrective Action Completion Due Date:

*SR 11/22/96*  
 November 8, 1996

19 Reviewed by:

*[Signature]* 11/8/96  
 Initial  Amended Date Phone

20 Response Accepted

QAR Date

21 Response Accepted (N/A for PR)

AOCAM Date