



**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
P.O. Box 98608  
Las Vegas, NV 89193-8608

**APR 23 1996**

Robert W. Craig  
Acting Technical Project Officer  
for Yucca Mountain Site  
Characterization Project  
U.S. Geological Survey  
Bank of America Center, Suite 860  
101 Convention Center Drive  
Las Vegas, NV 89109

ISSUANCE OF DEFICIENCY REPORT (DR) YMQAD-96-D052 RESULTING FROM  
OFFICE OF QUALITY ASSURANCE (OQA) SUPPLIER AUDIT OQA-SA-96-013 OF  
SATEC SYSTEMS, INC. (SCPB: N/A)

Enclosed is DR YMQAD-96-D052 generated as a result of OQA Supplier Audit  
OQA-SA-96-013.

Please identify the corrective action to be taken and implemented to  
correct the deficiency. A PR/DR Continuation Page has been provided.  
Send the original of your response to Deborah Sult, YMQAD/QATSS, 101  
Convention Center Drive, Suite 640, Las Vegas, Nevada 89109. Response  
to the DR is due 20 working days from the date of issuance. 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 Robert B. Constable  
at (702) 794-7945 or Daniel A. Klimas at (702) 794-7696.

*Robert B. Constable*

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-1583

Enclosures:

1. DR YMQAD-96-D052
2. PR/DR Continuation Page

cc w/encls:

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 encls:

W. L. Belke, NRC, Las Vegas, NV  
D. A. Klimas, YMQAD/QATSS, Las Vegas, NV  
D. G. Sult, YMQAD/QATSS, 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  
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PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:  
SATEC Systems Inc. QA Manual, Revision 4

2 Related Report No.  
OQA-SA-96-013

3 Responsible Organization:  
USGS / SATEC Systems Inc.

4 Discussed With:  
D. Harris (Service QA Manager)

5 Requirement/Measurement Criteria:

1. SATEC QA Manual, Revision 4, Section 4C, Paragraph 4C.3, states in part: "...The completion of this indoctrination training shall be documented and the documentation shall be kept on file."
2. SATEC QA Manual, Revision 4, Section 2C, Paragraph 2C.3, states in part: "...The person(s) responsible to maintain the controlled copy shall remove the outdated pages, replace them with the updates, and sign the manual assignment page."
3. SATEC QA Manual, Section 8, Paragraph 8.5, states in part: "...After each recall list is checked by the Service Operations Assistant, the Service Manager will approve the list."

6 Description of Condition:

1. Documentation of the indoctrination training of individuals is inadequate for determining the specific training that was administered, i.e., identifying training to specific procedures or the content of training.
2. The control and distribution of manuals and procedures are not being adequately implemented as some of the manual assignment pages are not being returned as required.
3. The calibration recall system requires that the Service Manager approve the recall list in order to issue purchase orders for equipment requiring calibration. This is not being implemented.
4. Calibration equipment that is taken out of use is stored in an area that is segregated from usable equipment, but was not tagged "Do Not Use," as required by the QA Manual.

7 Initiator  
*Daniel A. Klimas*  
Date 04/02/96

9 QA Review  
*Daniel A. Klimas*  
Date 4/2/96

10 Response Due Date  
20 Working Days From Issuance

11 QA Issuance Approval  
*[Signature]*  
Date 4-16-96

12 Remedial Actions:

13 Remedial Action Response By:  
Date

14 Remedial Action Due Date  
Date

15 Remedial Action Response Acceptance  
QAR Date

16 PR Verification/Closure  
QAR Date

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**DEFICIENCY REPORT**

**17 Recommended Actions:**

Determine the impact on the quality of the calibration services provided as a result of the cited deficiencies and evaluate the effectiveness of the internal audit program.

**18 Investigative Actions:**

**19 Root Cause Determination:**

**20 Action to Preclude Recurrence:**

**21 Response by:**

Date

**22 Corrective Action Completion Due Date:**

**23 Response Accepted**

QAR

Date

**24 Response Accepted**

AOQAM

Date

**25 Amended Response Accepted**

QAR

Date

**26 Amended Response Accepted**

AOQAM

Date

**27 Corrective Actions Verified**

QAR

Date

**28 Closure Approved by:**

AOQAM

Date

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Block 5, Requirement/Measurement Criteria, cont'd

4. SATEC QA Manual, Section 9, Paragraph 9.4, states in part: "...In the event calibration equipment is found to be out of calibration or frequently out of calibration, it shall be taken out of use, stored in an area that is segregated from equipment that are in use, and tagged, "Do Not Use," until such time as it is repaired or discarded."
5. SATEC QA Manual, Section 9, Paragraph 9.4, states in part: "...If deficiencies were noted during a vendor audit, the vendor may be conditionally approved for up to one year. If the deficiencies have not been corrected within a year, the vendor shall be removed from the Approved Vendors List.
6. SATEC QA Manual, Section 9, Paragraph 9.1, states in part: "...All vendors who supply products or services to SATEC Calibration Service, that directly affect the quality of the calibration service SATEC supplies shall be evaluated (audited) on site at least once every three years."
7. SATEC QA Manual, Revision 3, Section 9, Paragraph 9.3, states in part: "...Upon receiving notification of a new vendor, the Product Manager for Quality shall contact the vendor and arrange for the vendor to fill-out a Quality Assurance Survey."
8. QARD, DOE/RW-0333P, Revision 5, Section 17, Paragraph 17.2.11 A, states in part: "...QA records shall be temporarily stored in a container of facility with a fire rating of 1-hour, or dual storage shall be provided."

Block 6, Description of Condition, cont'd

5. A vendor audit that was performed by SATEC of Rice Lake Weighting Systems identified a deficiency, there was no evidence that this deficiency was corrected, or that a follow-up verification was performed to close out the deficiency, or that the vendor was removed from the Approved Vendors List.
6. The National Standards Testing Laboratory and the Bockeler Instrument Company were not evaluated (audited) on a triennial basis.
7. Vendors are required to complete a quality assurance vendor survey in order to verify conformance to purchase order requirements. The surveys for National Standards Testing Laboratory and Boekeler Instrument Company could not be located.
8. Nonpermanent Quality Assurance records are on file and maintained for the appropriate period of time; however, these records do not meet the storage requirements for 1-hour fire rated container or facility or dual storage.

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