



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

QA: L

AUG 25 1994

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Technical Project Officer
for Yucca Mountain
Site Characterization Project
U.S. Geological Survey
101 Convention Center Drive
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Las Vegas, NV 89109

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-94-065 RESULTING FROM
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE
OF U.S. GEOLOGICAL SURVEY (USGS) (SCPB: N/A)

Enclosed is the record of Surveillance YMP-SR-94-065 conducted
by the YMQAD at the SATEC Systems Inc. facilities in Grove City,
Pennsylvania, August 18, 1994.

The purpose of the surveillance was to evaluate compliance
with the USGS procedure for performing external audits and to
determine effectiveness of the USGS procurement process for
calibration services. No Corrective Action Requests were
issued as a result of the surveillance.

This surveillance is considered completed and closed as of the
date of this letter. A response to this surveillance record
and any documented recommendations is not required.

If you have any questions, please contact either Robert B.
Constable at 794-7945 or Charles C. Warren at 794-7248.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-4805

Enclosure:
Surveillance Record YMP-SR-94-065

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AUG 25 1994

cc w/encl:

R. W. Clark, HQ (RW-3.1) FORS
W. L. Belke, NRC, Las Vegas, NV
~~R. L. Johnson~~ NRC, Washington, DC
R. R. Loux, NWPO, Carson City, NV
Cyril Schank, Churchill County Commission, Fallon, NV
D. A. Bechtel, Clark County Comprehensive, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners,
Yucca Mountain Information Office, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
V. E. Poe, Mineral County, Hawthorne, NV
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA
L. W. Bradshaw, Nye County, Tonopah, NV
William Offutt, Nye County, Tonopah, NV
Florindo Mariani, White Pine County, Ely, NV
Mifflin and Associates, Las Vegas, NV
B. R. Mettam, County of Inyo, Independence, CA
S. L. Bolivar, LANL, Los Alamos, NM
R. E. Monks, LLNL, Livermore, CA
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R. R. Richards, SNL, Albuquerque, NM, M/S 1333
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C. K. Van House, YMQAD/QATSS, Las Vegas, NV
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C. J. Henkel, NEI, Washington, DC

cc w/encl:

C. C. Warren, YMQAD/QATSS, Las Vegas, NV
R. M. Nelson, Jr., YMSCO, NV
S. B. Jones, YMSCO, NV
S. J. Brocoum, YMSCO, NV

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

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ ORGANIZATION/LOCATION: U.S. Geological Survey (USGS), Grove City, PA	² SUBJECT: External Audit of Supplier	³ DATE: 8/12/94
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⁴SURVEILLANCE OBJECTIVE:
 Evaluate USGS compliance with YMPO-USGS-QMP-18.01, Revision 7, "Audits" for an external audit of supplier. Determine effectiveness of the USGS procurement process for a supplier of calibration services.

⁵ SURVEILLANCE SCOPE: Observe USGS external audit of SATEC Systems Inc. (SSI), supplier of calibration services.	⁶ SURVEILLANCE TEAM: Team Leader: <u>Charles C. Warren</u> Additional Team Members: <u>N/A</u>
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⁷ PREPARED BY: <u>Charles C. Warren</u> <u>8-10-94</u> Surveillance Team Leader Date	⁸ CONCURRENCE: <u>N/A</u> QA Division Director Date
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SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

See page 2.

¹⁰SURVEILLANCE CONCLUSIONS:

See page 3.

¹¹ COMPLETED BY: <u>Charles C. Warren</u> <u>8-22-94</u> Surveillance Team Leader Date	¹² APPROVED BY: <u>Robert W. Available</u> <u>8-24-94</u> QA Division Director Date
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BLOCK 9 (CONTINUED) BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

On August 18, 1994, a surveillance of the United States Geological Survey (USGS) performing an external Quality Assurance (QA) Audit of SATEC Systems Inc. (SSI), a supplier of calibration services, was performed at Grove City, Pennsylvania. The objective of the surveillance was to evaluate USGS compliance with procedure YMP-USGS-QMP-18.01, Revision 7, "Audits" and to determine effectiveness of the USGS procurement process for calibration services. SSI, a supplier of calibration services to USGS for the 0600MB Load Frame, was being audited to determine adherence to QA requirements and their suitability to remain on the USGS Approved Suppliers List. The scope of work and QA requirements assigned to SSI by USGS are described in USGS Purchase Order (PO) 162716-94.

The surveillance included review of the USGS Audit Notification and Plan, the Audit Preparation Summary, and Audit Checklists as well as observation of conduct of the audit. The USGS Audit Team Leader was observed reviewing objective evidence of QA Program compliance, interfacing with SSI staff and management, completing the audit checklist, and issuing seven draft recommendations and one Quality Deficiency Report. All audit activities observed were found to be in compliance with USGS procedure YMP-USGS-QMP-18.01. The USGS Audit Team Leader concluded that SSI was effectively adhering to the QA requirements contained in the SSI Quality Assurance Manual.

However, a review of the overall USGS procurement process for calibration services from SSI found that PO 1627163 requires only that calibration services be performed in accordance with the QA Program of the supplier. The PO does not state what specific USGS QA Program requirements are imposed on SSI nor does it require a review of the SSI program for compliance to specified requirements prior to performance of calibration services. Therefore, although the SSI program was audited to determine adherence to the requirements of the SSI Quality Assurance Manual, the audit could not determine if the applicable requirements of the USGS QA Program are being implemented by SSI. These conditions are contrary to the requirements of Sections 4.0 and 7.0 of the Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance Requirements and Description (QARD) and are identified as conditions adverse to quality on existing OCRWM Corrective Action Request (CAR) YM-94-050 issued to the USGS.

The following personnel were contacted during the surveillance:

P. Rodriguez, Science Applications International Corporation
(Representing USGS), Audit Team Leader
K. Harris, SSI, Service Administrative Manager
T. Webster, SSI, Service Manager and Acting Product Manager for
Quality
S. Morely, SSI, Senior Systems Engineer
B. George, SSI, Product Management Secretary

BLOCK 10 (CONTINUED) SURVEILLANCE CONCLUSIONS:

Audit planning and performance activities conducted by the USGS at SSI were found to be in compliance with USGS procedure YMP-USGS-QMP-18.01, Revision 7, "Audits." However, the USGS procurement process for calibration services was found not to be effective because specific USGS QA Program requirements are not being imposed on SSI through USGS procurement documents. This violation of QARD requirements is documented on existing OCRWM CAR YM-94-050 issued to the USGS.