

memorandum

DATE: September 18, 2000

REPLY TO
ATTN OF: CAO:QA:SAV 00-0883 UFC 2300.00

SUBJECT: Audit (A-01-01) of Savannah River Site (SRS) TRU Waste Characterization, Certification, and Transportation Programs for Retrievably Stored Debris Waste.

TO: Dale Ormond, DOE-SR

Please be advised that a team of auditors and technical specialists from the Carlsbad Area Office (CAO) will conduct an audit at Savannah River Site (SRS) November 7-16, 2000. The audit will be conducted in accordance with the attached audit plan. The purpose of the audit is to determine the acceptability of the SRS Transuranic Waste Characterization, Certification, and Transportation Programs for retrievably stored debris waste and whether this program should be certified by CAO for the WIPP project. Representatives from CAO, the U.S. Environmental Protection Agency (EPA), the New Mexico Environment Department (NMED), the Environmental Evaluation Group (EEG), and the Westinghouse Waste Isolation Division (WID) may be present to observe the audit.

Your representatives are requested to coordinate with the audit team to develop the necessary documentation for the audit team to gain access to SRS facilities, conduct the audit, and have appropriate access to necessary documentation and records. Please provide a meeting room (with overhead projector) to hold approximately 100 people for the entrance and exit meetings, separate working rooms for the audit team (50 people), the EPA inspectors (15 people), and the NMED Observers (10 people). The audit team will also require access to computers, a full set of applicable SRS documentation, two flip charts and marking pens, and miscellaneous office supplies (e.g., pens, paper, copy machine, Post-It Notes, stapler, "scotch" tape, etc.).

If you have any questions or comments concerning this audit, please contact me at (505) 234-7423.



for Samuel A. Vega
Quality Assurance Manager

Attachment

000929



Dale Ormond

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cc: w/attachment
L. Chism, CAO
B. Stroud, CAO
K. Watson, CAO
T. Harms, DOE-HQ
M. Eagle, EPA
S. Monroe, EPA
S. Zappe, NMED
B. Walker, EEG
D. Winters, DNFSB
J. D'Amelio, SRS
M. Mason, SRS
T. Bowden, CTAC
J. May, CTAC
W. Most, WID



CARLSBAD AREA OFFICE AUDIT PLAN

Audit Number: A-01-01
Organization: Savannah River Site (SRS)
Date: November 7-16, 2000
Location: Aiken, South Carolina

Audit Team:

Sam Vega	QA Manager, CAO
Jeff May	Audit Team Leader, CTAC
Lea Chism	Auditor, CAO
Steve Calvert	Auditor, CTAC
Wayne Ledford	Auditor, CTAC
Steve Davis	Auditor, CTAC
Pete Rodriguez	Auditor, CTAC
Amy Arceo	Auditor, CTAC
Jim Schuetz	Auditor, CTAC
Norm Frank	Auditor, CTAC
Dee Scott	Auditor, CTAC
Randy Fitzgerald	Technical Specialist, CTAC
Dave Camp	Technical Specialist, CTAC
Alan Williams	Technical Specialist, CTAC
William Verrett	Technical Specialist, CTAC
Trey Greenwood	Technical Specialist, CTAC
Sheila Lott	Technical Specialist, CTAC
Tom Ward	Technical Specialist, WID

Audit Scope: The audit will evaluate the adequacy, implementation, and effectiveness of technical and quality assurance activities related to SRS Transuranic Waste Characterization, Certification, and Transportation Programs for retrievably stored debris waste.

Activities to be Audited:

The following quality assurance elements will be evaluated for implementation, and effectiveness in accordance with the CAO Quality Assurance Program Document (QAPD):

- Organization
- QA Program Implementation
- Personnel Qualification and Training
- Quality Improvement
- Documents & Records

- Work Processes
- Procurement
- Inspection and Testing
- Grading Program
- Audits/Assessments
- Sample Control
- Software Quality Assurance

The following CAO technical characterization elements will be evaluated for implementation and effectiveness in accordance with the Waste Analysis Plan (WAP) and Waste Acceptance Criteria (WAC).

- Data Validation & Verification (Project Office and Generation Level)
- Acceptable Knowledge
- Nondestructive Assay (NDA-SGS and PAN)
- Real Time Radiography (RTR)
- Visual Examination (VE)
- Head Space Gas, Gas VOCs, Hydrogen Analysis & Sample Control
- Performance Demonstration Program (PDP)
- Transportation
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste information System (WWIS)
- Waste Analysis Plan (WAP), Section B6

The following transportation technical elements will be evaluated for implementation and effectiveness in accordance with the CAO TRUPACT-II Authorized Methods for Payload Control (TRAMPAC):

Inspection of Packaging
Visual Inspection
TRUPACT-II Preparation and Loading
TRUPACT-II Leak Check
Shipping Preparation
Package Maintenance
Documentation and Records
Payload and Drum Certification
Transportation Tracking and Communications (TRANSCOM)

Governing Documents/Requirements:

The overall program adequacy of SRS specific documents will be based on the following documents:

Quality Assurance Program Document (QAPD), CAO-94-1012, Current Revision

Hazardous Waste Facility Permit Waste Isolation Pilot Plant EPA No. NM4890139088-TSDF by the New Mexico Environment Department, dated October 27, 1999, including all applicable modifications

Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC),
DOE/WIPP-069, Current Revision

Safety Analysis Report for TRUPACT-II Shipping Package, Appendix 1.3.7,
TRAMPAC and the TRUPACT-II Certification of Compliance, NRC 71-9218,
Current Revision

Checklists will be developed from the active revision of the following documents:

Quality Assurance Program Document (QAPD), CAO-94-1012, Current Revision

WSRC-RP-99-01095, R0, Dated August 3, 2000 "Savannah River Site WIPP
Disposal Program Waste Certification Plan"

WSRC-RP-99-01097, R1, Dated September 5, 2000 "Savannah River Site WIPP
Disposal Program Quality Assurance Project Plan"

WSRC-RP-99-01120, R0, Dated August 3, 2000 "Savannah River Site WIPP
Disposal Program TRUPACT II Authorized Methods for Payload Control"

Related SRS technical implementing procedures

Schedule of Audit Activities:

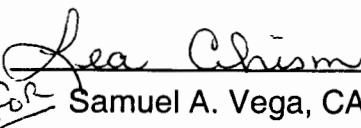
A pre-audit conference is scheduled for Tuesday, November 7, at 9:00 a.m. in
Bldg. 766H, Room 1003 at SRS.

An audit team caucus will be held at 4:30 p.m. Tuesday through Friday (11/7 –
11/10) and Monday through Wednesday (11/13 – 11/15), in Bldg. 766H Room
1040 at SRS.

The audit team will meet with appropriate SRS management at 8:30 a.m.
Wednesday, Thursday, and Friday (11/8 – 11/10) and Monday, Tuesday,
Wednesday, and Thursday (11/13 – 11/16) in Building 724-7E at SRS.

A post-audit conference is scheduled for Thursday, November 16, 2000, at 3:00
p.m. in Bldg. 766H, Room 1003 at SRS.

Approved By:  Date: 9/19/00
Jeffrey D. May, Audit Team Leader

Approved By:  Date: 9/18/00
For Samuel A. Vega, CAO QA Manager