



United States Government

Department of Energy

memorandum

 Carlsbad Field Office
 Carlsbad, New Mexico 88221


DATE: **AUG 11 2011**

REPLY TO
ATTN OF: CBFO:OQA:DSM:MAG:11-0675:UFC 2300.00

SUBJECT: Audit Plan A-11-25 for the Initial Remote-Handled TRU Waste Certification of the TRU Waste Program

TO: Herbert Crapse, DOE-SR

Please be advised that an audit team from the Carlsbad Field Office (CBFO) will conduct an initial certification audit for the remote-handled (RH) transuranic (TRU) waste certification of the Savannah River Site (SRS) Central Characterization Project (CCP). The audit will be conducted at the SRS on September 13-15, 2011 in accordance with the attached audit plan. Representatives from the CBFO and the New Mexico Environment Department may be present to observe the audit.

Your representatives are requested to coordinate with the audit team and provide the team access to the SRS facilities. Also, please provide meeting rooms (with PowerPoint capabilities) for the entrance and exit meetings, working rooms for the audit team, cognizant personnel to support the audit, and access to the appropriate documentation and records.

If you have any questions or comments concerning Audit A-11-25, please contact me at (575) 234-7491.

Martin P. Navarrete
Senior Quality Assurance Specialist

Attachment

cc: w/attachment

R. Unger, CBFO	*ED	R. Joglekar, EPA	ED
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*ED denotes electronic distribution

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CARLSBAD FIELD OFFICE CERTIFICATION AUDIT PLAN

Audit Number: A-11-25

Organization: Savannah River Site (SRS)
Central Characterization Project (CCP)

Organizations to be Notified: SRS
Washington TRU Solutions, LLC (WTS)
Environmental Protection Agency (EPA)
Defense Nuclear Facilities Safety Board (DNFSB)
New Mexico Environment Department (NMED)

Date and Location: September 13 – 15, 2011
SRS

Audit Team:

Martin Navarrete	CBFO Quality Assurance Representative
Priscilla Y. Martinez	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Earl Bradford	Auditor, CTAC
Cindi Castillo	Auditor, CTAC
Katie Martin	Auditor, CTAC
Margie Martinez	Auditor, CTAC
Jack Walsh	Auditor, CTAC
Dick Blauvelt	Technical Specialist, CTAC
Rhett Bradford	Technical Specialist, CTAC
Paul Gomez	Technical Specialist, CTAC
Porf Martinez	Technical Specialist, CTAC
Jim Oliver	Technical Specialist, CTAC

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of the SRS/CCP technical and quality assurance (QA) activities performed for the initial certification of remote-handled (RH) debris Summary Category Group (SCG) S5000 retrievably stored waste. The specific processes to be audited are identified under Activities to be Audited, and on the attached list, Processes and Equipment to be Reviewed During Audit A-11-25.

Activities to be Audited:

The following general areas from Attachment C6, Section C6-3 of the Hazardous Waste Facility Permit (HWFP) will be audited:

QA elements:

- Personnel Qualification and Training
- Documents and Records
- Nonconformances

Technical elements for RH debris SCG S5000 retrievably stored waste:

Acceptable Knowledge (AK) including waste certification (i.e., Waste Stream Profile Forms)
Project-level Data Validation and Verification (V&V)
Dose-to-Curie (DTC)
Headspace Gas Sampling (Summa®)
Real-time Radiography (RTR)
Visual Examination (VE)
WIPP Waste Information System (WWIS)/Waste Data System (WDS)

Governing Documents/Requirements:

Evaluation of adequacy of SRS/CCP documents will be based on the current revisions of the following documents:

- *Quality Assurance Program Document (QAPD), DOE/CBFO-94-1012*
- *Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF (HWFP)*
- *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC), DOE/WIPP-02-3122*
- *DOE/WIPP-02-3214, Remote-Handled TRU Waste Characterization Program Implementation Plan (WCPIP)*

Programmatic and technical checklists will be developed from the current revisions of the following documents:

- *CCP Transuranic Waste Quality Assurance Characterization Project Plan (QAPjP), CCP-PO-001*
- *CCP Transuranic Waste Certification Plan, CCP-PO-002*
- *Related SRS/CCP quality assurance and technical implementing procedures*

Schedule of Audit Activities:

A pre-audit conference is scheduled for 8:00 a.m., Tuesday, September 13, 2011.

Audit team caucuses will be held at 4:00 p.m., Tuesday and Wednesday, September 13 and 14, 2011, and at 12:00 p.m. on Thursday, September 15, 2011.

The audit team leader will meet with SRS/CCP management to discuss audit concerns and audit progress at 8:30 a.m., Wednesday and Thursday, September 14 and 15, 2011.

A post-audit conference is scheduled for 2:00 p.m., Thursday, September 15, 2011.

All meetings will take place at the designated SRS locations. All times are Eastern Daylight Time (EDT).

Approved By: Priscilla Y. Martinez
Priscilla Y. Martinez, CTAC
Audit Team Leader

Date: 8-11-11

Approved By: R. Unger
Randy Unger, CBFO
Director, Office of Quality Assurance

Date: 11 Aug 11

SRS/CCP Remote-Handled (RH) Processes and Equipment to be Reviewed During Audit A-11-25

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
NEW PROCESSES OR EQUIPMENT (Retrievably Stored RH S5000 Debris Waste)				
1RR3	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-15, 55-gallon drums (PAD 4)	Debris (S5000)	NO	NO
1RR4	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-4, 55-gallon drums, standard waste boxes (SWBs), and standard large box 2s (SLB2s)	Debris (S5000)	NO	NO
1LCNDE	Real-time Radiography Procedure – CCP-TP-053 Description – Large Container Non-Destructive Examination (LCNDE) Unit – standard waste boxes (SWBs) and standard large box 2s (SLB2s)	Debris (S5000)	NO	NO
1RHVE1	Visual Examination Procedure – CCP-TP-500 Description – Visual Examination Technique (VET) (video/audio)	Debris (S5000)	NO	NO
VISUAL	Visual Examination Procedure – CCP-TP-113 Description – Visual Examination Method identified in CCP-TP-113	Debris (S5000)	NO	NO
1DTC1	Dose-to-Curie Procedure – CCP-TP-504 Description – Radiological Characterization	Debris (S5000)	N/A	NO

SRS/CCP Remote-Handled (RH) Processes and Equipment to be Reviewed During Audit A-11-25

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	Headspace Gas Sampling Procedure – CCP-TP-093 Description – CCP Sampling of TRU Waste Containers using SUMMA® Canisters	Debris (S5000)	NO	N/A
N/A	Acceptable Knowledge (AK)	Debris (S5000)	NO	NO
N/A	Data Generation and Project Level Validation and Verification (V&V)	Debris (S5000)	NO	NO
N/A	Quality Assurance Program	Debris (S5000)	N/A	YES
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS)	Debris (S5000)	NO	NO