



United States Government

Department of Energy

# memorandum

Carlsbad Field Office  
Carlsbad, New Mexico 88221



**DATE:** SEP 28 2011

**REPLY TO ATTN OF:** CBFO:QA:CGF:ANC:11-1920:UFC 2300

**SUBJECT:** Audit Plan for Audit A-12-02, CH TRU Waste Recertification of the SRS/CCP TRU Waste Program

**TO:** Herbert Crapse, DOE-SR

Please be advised that an audit team from the Carlsbad Field Office (CBFO) will conduct a recertification audit for the contact-handled (CH) transuranic (TRU) waste recertification of the Savannah River Site Central Characterization Project (SRS/CCP). The audit will be conducted at the designated locations at the SRS on November 14-17, 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 at both sites.

If you have any questions concerning this notification, please contact me at (575) 234-7548.

  
 Courtland G. Fesmire, P.E.  
 Quality Assurance Engineer

### Attachment

cc: w/attachment

- |                        |    |                                |    |
|------------------------|----|--------------------------------|----|
| R. Unger, CBFO         | ED | T. Kesterson, DOE OB WIPP NMED | ED |
| J.R. Stroble, CBFO     | ED | D. Winters, DNFSB              | ED |
| T. Morgan, CBFO        | ED | T. Peake, EPA                  | ED |
| M. Pinzel, CBFO        | ED | M. Eagle, EPA                  | ED |
| N. Castaneda, CBFO     | ED | R. Joglekar, EPA               | ED |
| D. Ploetz, WTS/CCP     | ED | S. Ghose, EPA                  | ED |
| M. Sensibaugh, WTS/CCP | ED | E. Feltcorn, EPA               | ED |
| V. Cannon, WTS/CCP     | ED | R. Lee, EPA                    | ED |
| A.J. Fisher, WTS/CCP   | ED | P. Gilbert, LANL-CO            | ED |
| I. Quintana, WTS/CCP   | ED | G. Lyshik, LANL-CO             | ED |
| M. Walker, WTS/CCP     | ED | P. Y. Martinez, CTAC           | ED |
| Y. Salmon, WTS/CCP     | ED | C. Riggs, CTAC                 | ED |
| J. Carter, WTS/CCP     | ED | M. Mager, CTAC                 | ED |
| J. Kieling, NMED       | ED | WIPP Operating Record          | ED |
| T. Hall, NMED          | ED | CBFO QA File                   |    |
| S. Holmes, NMED        | ED | CBFO M&RC                      |    |

\*ED denotes electronic distribution



**CARLSBAD FIELD OFFICE CERTIFICATION AUDIT PLAN**

**Audit Number:** A-12-02

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

**Organizations to be Notified:** SRS  
Washington TRU Solutions, LLC  
Environmental Protection Agency  
Defense Nuclear Facilities Safety Board  
New Mexico Environment Department

**Date and Location:** November 14 – 17, 2011  
SRS

**Audit Team:** Courtland G. Fesmire CBFO Quality Assurance Representative  
Priscilla Y. Martinez Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)

Charlie Riggs	Audit Team Leader, CTAC
Earl Bradford	Auditor, CTAC
Rick Castillo	Auditor, CTAC
Greg Knox	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
Mavis Lin	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 recertification of Summary Category Group (SCG) S3000 contact-handled (CH) solids waste, S4000 soils/gravel waste, and S5000 debris waste. The specific processes to be audited are identified under Activities to be Audited, and on the attachment Processes and Equipment to be Reviewed During Audit A-12-02.

**Activities to be Audited:**

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

**QA elements:**

Personnel Qualification and Training  
Documents and Records  
Nonconformances

**Technical elements:**

Acceptable Knowledge, including waste certification (i.e., Waste Stream Profile Forms)  
Project-level Data Validation and Verification  
Headspace Gas Sampling (Summa®)  
Nondestructive Assay  
Real-time Radiography  
Visual Examination  
WIPP Waste Information System/Waste Data System

**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*, DOE/CBFO-94-1012
- Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF
- *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*, DOE/WIPP-02-3122

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

- *CCP Transuranic Waste Quality Assurance Characterization Project Plan*, 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., Monday, November 14, 2011.

Audit team caucuses will be held at 4:00 p.m., Monday through Wednesday, November 14 through 16, 2011, and at 2:00 p.m. on Thursday, November 17, 2011.

The audit team leader will meet with SRS/CCP management to discuss audit concerns and audit progress at 8:30 a.m., Tuesday through Thursday, November 15 through 17, 2011.

A post-audit conference is scheduled for 3:00 p.m., Thursday, November 17, 2011.

All meetings will take place at the designated SRS locations. All times are Eastern Standard Time.

Approved By: Priscilla Y. Martinez / Charlie Riggs  
Priscilla Y. Martinez/Charlie Riggs  
CTAC Audit Team Leaders

Date: 9/19/11

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

Date: 26 Sep 11

**SRS/CCP Contact-Handled Processes and Equipment to be Reviewed During Audit A-12-02**

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
<b>PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT</b>				
1RR3	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-15 Unit – 55-gallon drums (at PAD 4)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1RR4	Real-time Radiography Procedure – CCP-TP-053 Description – RTR-4, 55-gallon drums, standard waste boxes (SWBs), and standard large box 2s (SLB2s)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
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)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
VISUAL	Visual Examination Procedure – CCP-TP-113 Description – Visual Examination Method identified in CCP-TP-113	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
1NABC1	Nondestructive Assay Procedures – CCP-TP-189 and CCP-TP-191 Description – Box Segmented Gamma System (BSGS) and Box Neutron Assay System (BNAS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
N/A	Headspace Gas Sampling Procedure – CCP-TP-093 Description – CCP Sampling of TRU Waste Containers using SUMMA® Canisters	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	N/A

**SRS/CCP Contact-Handled Processes and Equipment to be Reviewed During Audit A-12-02**

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	Acceptable Knowledge (AK)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Data Generation and Project Level Validation and Verification (V&V)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Quality Assurance Program	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES