Mr. John Kieling, Acting Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, New Mexico 87505-6303

Subject: Audit Plan for Audit A-12-02, Contact-Handled Transuranic Waste Recertification of the Savannah River Site Central Characterization Project Transuranic Waste Program

Dear Mr. Kieling:

This letter transmits the audit plan for the subject Carlsbad Field Office contact-handled waste recertification audit to be conducted at the designated locations at the Savannah River Site on November 14-17, 2011, as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Section C4-3g. The audit plan identifies the audit team members as required by Section C6-3 of the Permit.

If you have any questions concerning this notification, please contact Mr. Randy Unger, Director of Quality Assurance, at (575) 234-7065.

Sincerely,

[Signature]

Edward Ziemianski  
Interim Manager

cc: w/enclosure
D. Garcia, CBFO  
R. Unger, CBFO  
J.R. Stroble, CBFO  
G. Basabilvazo, CBFO  
T. Morgan, CBFO  
C. Fesmire, CBFO  
M. Pinzel, CBFO  
N. Castaneda, CBFO  
S. McCauslin, CBFO  

T. Hall, NMED  
S. Holmes, NMED  
P. Y. Martinez, CTAC  
C. Riggs, CTAC  
M. Mager, CTAC  
WIPP Operating Record  
CBFO QA File  
CBFO M&RC  

*ED denotes electronic distribution

110922
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  
CTAC Audit Team Leaders  

Date: 9/19/11

Approved By: 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

### PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT

<table>
<thead>
<tr>
<th>WIPP #</th>
<th>Process/Equipment Description</th>
<th>Applicable to the Following Waste Streams/Groups of Waste Streams</th>
<th>Currently Approved by NMED</th>
<th>Currently Approved by EPA</th>
</tr>
</thead>
</table>
| 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

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