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

Subject: Audit Plan and Notification of Assigned Auditors for CBFO Audit A-16-05 of the SNL/CCP  

Dear Mr. Kieling:  

This letter transmits the audit plan for Carlsbad Field Office (CBFO) Recertification Audit A-16-05, Sandia National Laboratories Central Characterization Program (SNL/CCP) Transuranic Waste Characterization Activities for Remote-Handled Waste. The audit will be conducted as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, and will be held at the Skeen-Whitlock Building in Carlsbad, NM, July 26 – 28, 2016. The audit plan identifies the audit team members, as required by the Permit.  

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.  

Should you have any questions concerning this notification, please contact Mr. Dennis S. Miehls, CBFO Senior Quality Assurance Specialist, at (575) 234-7491.  

Sincerely,  

[Signature]  

Todd Shrader, Manager  
Carlsbad Field Office  

Enclosure
cc: w/enclosure
S. Ross, EM-43 *ED
S. Dunagan, CBFO ED
D.C. Gadbury, CBFO ED
M. Brown, CBFO ED
J.R. Stroble, CBFO ED
G. Basabilvazo, CBFO ED
D. Miehls, CBFO ED
M. Navarrete, CBFO ED
N. Castaneda, CBFO ED
T. Carver, CBFO ED
H. Cruickshank, CBFO ED
R. Maestas, NMED ED
C. Smith, NMED ED
V. Daub, CTAC ED
P. Martinez, CTAC ED
C. Castillo, CTAC ED
R. Boyko, CTAC ED
P. Gomez, CTAC ED
D. Harvill, CTAC ED
G. White, CTAC ED
A. Urquidez, RES ED
WIPP Operating Record ED
CBFO QA File
CBFO M&RC
*ED denotes electronic distribution
CARLSBAD FIELD OFFICE AUDIT PLAN

<table>
<thead>
<tr>
<th>Audit Number:</th>
<th>A-16-05</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization to be Audited:</td>
<td>Sandia National Laboratories (SNL), Nuclear Waste Partnership LLC (NWP) Central Characterization Program (CCP)</td>
</tr>
<tr>
<td>Organizations to be Notified:</td>
<td>SNL NWP CCP New Mexico Environment Department Defense Nuclear Facilities Safety Board U.S. Environmental Protection Agency</td>
</tr>
<tr>
<td>Date and Location:</td>
<td>July 26 – 28, 2016 Carlsbad, New Mexico</td>
</tr>
</tbody>
</table>

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of SNL/CCP technical and quality assurance activities for characterization and certification of remote-handled Summary Category Group S5000 debris waste. The team will evaluate selected activities for compliance with requirements in the Waste Isolation Pilot Plant Hazardous Waste Facility Permit Waste Analysis Plan (WAP), the Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC), the Remote-Handled TRU Waste Characterization Program Implementation Plan (WCPIP), and the CBFO Quality Assurance Program Document (QAPD).

See Attachment 1, Processes and Equipment to be Reviewed During Audit A-16-05 of the SNL/CCP, for additional details.

Activities to be Audited:

**General**

- Results of Previous Audits
- Changes in Programs or Operations
- New Programs or Activities Being Implemented
- Changes in Key Personnel
Quality Assurance Activities

- Personnel Qualification and Training
- Records
- Nonconformances

Technical Activities

- Acceptable Knowledge (AK)
- Visual Examination (VE)
- Dose-to-Curie (DTC)
- Project-Level Data Validation and Verification (PL V&V)
- Waste Certification (e.g., Waste Stream Profile Forms)
- WIPP Waste Information System (WWIS)/Waste Data System (WDS)

Governing Documents/Requirements

Evaluation of the overall program adequacy and effectiveness of the SNL/CCP waste characterization processes will be based on the current revisions of the following documents:

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

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

- CCP-PO-001, CCP Transuranic Waste Characterization Quality Assurance Project Plan
- CCP-PO-002, CCP Transuranic Waste Certification Plan
- CCP-PO-510, CCP/SNL Interface Document
- Related CCP QA and technical implementing procedures

Schedule of Audit Activities:

Times shown are Mountain Time (MT).

A pre-audit conference will be held Tuesday, July 26, 2016, at 8:00 a.m., in the Skeen-Whitlock Building, room 224.

Management briefings will be held Wednesday, July 27, and Thursday, July 28, 2016, at 8:30 a.m., in the Skeen-Whitlock Building, room 224.
Audit team caucus meetings will be held Tuesday, July 26, and Wednesday, July 27, 2016, at 3:00 p.m.

An audit team caucus meeting will be held Thursday, July 28, 2016, at 1:00 p.m.

A post-audit conference will be held Thursday, July 28, 2016, at 2:30 p.m.

All meetings and audit activities will take place in Carlsbad, New Mexico, at the designated Skeen-Whitlock Building locations.

Prepared by: Paul C. Gomez, CTAC
Audit Team Leader

Concurrence: Michael R. Brown, Director
Office of Quality Assurance

Date: 6/20/2016

Date: 6/21/2016
Processes and Equipment to Be Reviewed During Audit A-16-05 of the SNL/CCP

<table>
<thead>
<tr>
<th>WIPP #</th>
<th>Process/Equipment Description</th>
<th>Applicable to the Following Summary Category Groups</th>
<th>Currently Approved by NMED</th>
<th>Currently Approved by EPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>20RHVE1</td>
<td>Visual Examination CCP-TP-500, CCP Remote-Handled Waste Visual Examination</td>
<td>Debris (S5000)</td>
<td>No</td>
<td>No</td>
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<td>N/A</td>
<td>Acceptable Knowledge CCP-TP-005, CCP Acceptable Knowledge Documentation</td>
<td>Debris (S5000)</td>
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<td>N/A</td>
<td>Data Verification and Validation CCP-TP-500, CCP Remote-Handled Waste Visual Examination</td>
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<td>20DTC1</td>
<td>Dose-to-Curie Survey Procedure for Remote-Handled Transuranic Waste CCP-TP-504</td>
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<td>N/A</td>
<td>Quality Assurance</td>
<td>N/A</td>
<td>N/A</td>
<td>Yes</td>
</tr>
<tr>
<td>N/A</td>
<td>WIPP Waste Information System (WWIS)/Waste Data System (WDS)</td>
<td>N/A</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>