DATE: MAR 1 4 2017

REPLY TO ATTN OF: CBFO:OQA:MPN:BA:17-1077:UFC 2300.00

SUBJECT: Recertification Audit A-17-20 of the Hanford Central Characterization Program

TO: Mr. Al Farabee, DOE-RL

Please be advised that an audit team from the Carlsbad Field Office (CBFO) will conduct a Hazardous Waste Facility Permit Attachment C6 Audit A-17-20 of the Hanford Central Characterization Program transuranic waste characterization activities. The audit is scheduled to take place April 26 – 27, 2017 at the Skeen-Whitlock Building in Carlsbad, New Mexico, in accordance with the attached audit plan. Representatives from the New Mexico Environment Department may be present to observe the audit.

If you have any questions or comments concerning the audit, please contact me at (575) 234-7483.

Martin P. Navarrete
Senior Quality Assurance Specialist

Attachment

c: w/attachment

S. Ross, EM-3.113 * ED  S. Punchios, NWP  ED
J. Carswell, CBFO ED  A. Boyea, NWP ED
M. Brown, CBFO ED  J. Walsh, EPA ED
J.R. Stroble, CBFO ED  J. Ellis, EPA ED
D. Miehls, CBFO ED  T. Peake, EPA ED
M. Fineran, CBFO ED  E. Felticorn, EPA ED
M. Stapleton, CBFO ED  R. Joglekar, EPA ED
N. Castaneda, CBFO ED  J. Kieling, NMED ED
G. Birge, CBFO ED  R. Maestas, NMED ED
T. Carver, CBFO ED  D. Biswell, NMED ED
J. Britain, NWP ED  V. Daub, CTAC ED
F. Sharif, NWP ED  P. Martinez, CTAC ED
D.E. Gulbransen, NWP ED  C. Castillo, CTAC ED
R. Reeves, NWP ED  M. Leroch, CTAC ED
A.J. Fisher, NWP ED  J. Schuetz, CTAC ED
B. Pace, NWP ED  D. Harvill, CTAC ED
C. Simmons, NWP ED  G. White, CTAC ED
J. Harvill, NWP ED  Site Documents ED
J. Carter, NWP ED  CBFO QA File ED
M. McDaniel, NWP ED  CBFO M&RC ED
V. Ballew, NWP ED

*ED denotes electronic distribution
CARLSBAD FIELD OFFICE

Audit Number: A-17-20

Organization to be Audited: Hanford Site, Nuclear Waste Partnership LLC (NWP)
Central Characterization Program (CCP)

Organizations to be Notified: Hanford Site
NWP
New Mexico Environment Department
Defense Nuclear Facilities Safety Board
U.S. Environmental Protection Agency

Date and Location: April 26 – 27, 2017
Carlsbad, New Mexico

Audit Team: Martin P. Navarrete, Carlsbad Field Office (CBFO) Management Representative
James R. Schuetz, Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of the technical and quality assurance (QA) activities performed by NWP CCP at the Hanford host site location for characterization and certification of contact-handled Summary Category Groups S3000 homogeneous solids and S5000 debris waste.

CCP operations at Hanford have been discontinued and no transuranic (TRU) waste characterization activities have been performed at Hanford since the previous recertification audit.

The audit team will evaluate available documentation in support of TRU waste characterization activities performed at Hanford from the date of the previous recertification audit (Audit A-16-11, conducted May 31 – June 1, 2016), complete applicable C6 checklists, and review objective evidence.

The audit will be performed in the Skeen-Whitlock Building in Carlsbad, New Mexico. See the attachment, Processes and Equipment to be Reviewed During Audit A-17-20 of Hanford/CCP, for a list of items that will be evaluated.
Governing Documents/Requirements:

Evaluation of the overall program adequacy and effectiveness of Hanford/CCP documents will be based on the current revisions of the following documents:

- CBFO 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 Characterization Quality Assurance Project Plan, CCP-PO-001
- CCP Transuranic Waste Certification Plan, CCP-PO-002
- Related CCP QA and technical implementing procedures

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

General areas from section C6-1 of the Permit:

- Nonconformances
- Personnel Qualification and Training
- Records

Technical Activities

- Generator and Project-level Data Validation and Verification
- Acceptable Knowledge
- Real-time Radiography
- Visual Examination
- Nondestructive Assay
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System/Waste Data System
Schedule of Audit Activities:

A pre-audit conference is scheduled for Wednesday, April 26, 2017, at 8:30 a.m.

If needed, the audit team leader will conduct a management briefing with appropriate Hanford/CCP management Thursday, April 27, 2017, at 8:30 a.m.

A post-audit conference is scheduled for Thursday, April 27, 2017, at 3:00 p.m.

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

Prepared by:  
James R. Schuetz, CTAC  
Audit Team Leader  

Date: 3/13/17

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

Date: 3/13/2017
## Processes and Equipment to be Evaluated During Audit A-17-20 of Hanford/CCP

<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>18GEAA</td>
<td>Radiological Characterization by NDA – Hanford Gamma Energy Assay System <strong>Unit A</strong> – 55-gallon drums</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>N/A</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-071</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>18GEAB</td>
<td>Radiological Characterization by NDA – Hanford Gamma Energy Assay System <strong>Unit B</strong> – 55-gallon drums</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>N/A</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-071</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18SHENC</td>
<td>Super High Efficiency Neutron Counter &quot;A&quot; Platform (SHENC)</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>N/A</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-137</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18RTRA</td>
<td>Real-Time Radiography System – 55-gallon drums</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-053</td>
<td></td>
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</tr>
<tr>
<td>18RTRB</td>
<td>Real-Time Radiography System – 55-gallon drums</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-053</td>
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<td></td>
</tr>
<tr>
<td>18HERTR</td>
<td>High-Energy Real-Time Radiography System – 55-/85- gallon drums and SWBs</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-053</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18RLVE</td>
<td>Visual Examination Process – SWB and 55-gallon drums</td>
<td>Debris (S5000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td></td>
<td>Procedure – CCP-TP-113</td>
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</tr>
</tbody>
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### Processes and Equipment to be Evaluated During Audit A-17-20 of Hanford/CCP

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<th>Currently Approved by EPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>Acceptable Knowledge Procedure – CCP-TP-002 and CCP-TP-005</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td>N/A</td>
<td>Data Generation and Project Level Validation &amp; Verification (V&amp;V) Procedure – CCP-TP-001</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td>N/A</td>
<td>WIPP Waste Information System (WWIS)/Waste Data System (WDS) Procedure – CCP-TP-030</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>Suspended</td>
<td>Suspended</td>
</tr>
<tr>
<td>N/A</td>
<td>Quality Assurance</td>
<td>Debris (S5000) Solids (S3000)</td>
<td>N/A</td>
<td>YES</td>
</tr>
</tbody>
</table>

**NEW PROCESSES OR EQUIPMENT**

Characterization activities are currently suspended; therefore, no new processes or equipment were introduced.

**DEACTIVATED PROCESSES OR EQUIPMENT**

Characterization activities are currently suspended.