DATE: May 15, 2001

REPLY TO ATTN OF: CBFO:QA:MLC:VW:01-1117:UFC:2300

SUBJECT: Audit (A-01-16) of the TRU Waste Characterization and Certification Programs and Processes Related to the NDA and Packaging of Newly Generated Waste at PFP.

TO: Mark S. French, RL

Please be advised that a team of auditors from the Carlsbad Field Office (CBFO) will conduct an audit at the Hanford Site in Richland, Washington, June 11-15, 2001. The audit will be conducted in accordance with the attached audit plan. Observers from the Environmental Protection Agency, New Mexico Environment Department, and other interested parties may also accompany the audit team.

Your representatives are requested to coordinate with the audit team to develop the necessary documentation for team access to Hanford facilities, arrange for appropriate space to conduct meetings, provide cognizant personnel to support the audit, and provide the audit team with access to appropriate documentation and records.

If you have any questions or comments concerning the audit, you may contact me at (505) 234-7423.

Attachment

cc: w/attachment
L. Chism, CBFO
P. Crane, FH
J. Maupin, FH
M. Eagle, EPA
S. Monroe, EPA
S. Zappe, NMED
B. Walker, EEG
S. Calvert, CTAC
M. Gerle, WTS Operating Record
D. Winter, DNFSB
T. Bowden, CTAC

Samuel A. Vega
Quality Assurance Manager
CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-01-16

Organization to be Audited: Hanford Site

Organizations to be Notified: Hanford Site
New Mexico Environment Department
Environmental Protection Agency
Environmental Evaluation Group
Defense Nuclear Facilities Safety Board

Date and Location: June 11-15, 2001
Richland, Washington

Audit Team: Steve Calvert Audit Team Leader/CTAC
Wayne Ledford Auditor/CTAC
Patrick Kelly Technical Specialist/CTAC

Audit Scope: The audit will evaluate the adequacy, implementation, and effectiveness of the applicable technical and quality assurance activities related to Hanford Transuranic Waste Characterization and Certification Programs, procedures, and processes for assay and packaging of waste at the Plutonium Finishing Plant.

Activities/Tasks to be Audited:

The following CBFO quality assurance elements will be evaluated:

- QA Program Implementation
- Personnel Qualification and Training
- Documents and Records
- Control of Measuring and Test Equipment
- Control of Nonconforming Items
- Audits/Assessments
- Software Quality Assurance

The following CBFO Characterization technical elements will be evaluated:

- Nondestructive Assay (NDA)
- Visual Examination Technique
- Acceptable Knowledge
- Packaging
Governing Documents/Requirements:

Adequacy evaluations of Hanford TWCP documents will be based on the current revisions of the following documents:

- **CAO Quality Assurance Program Document (QAPD), CAO-94-1012**
- **Waste Analysis Plan (WAP), Attachment B6, of the RCRA Part B Permit**
- **Waste Acceptance Criteria (WAC) for the Waste Isolation Pilot Plant, DOE/WIPP-069**

Programmatic and technical checklists will be developed from the active revision of the following documents:

- **Hanford Quality Assurance Project Plan (QAPP) for the Transuranic Waste Certification Program, HNF-2599**
- **Hanford Site Transuranic Waste Certification Plan, HNF-2600**
- **Related Hanford technical and quality assurance implementing procedures**

Schedule of Audit Activities:

A pre-audit conference is scheduled for Monday, June 11, at 3:30 p.m. in the 2420 Stevens Building conference room.

Audit team caucuses will be held at 4:30 p.m. Tuesday through Friday in a Hanford 200 Area conference room.

The audit team will meet with the appropriate Hanford management at 8:30 a.m. Wednesday, Thursday, and Friday in a Hanford 200 Area conference room.

A post-audit conference is scheduled for Friday, June 15, at 9:00 a.m. in the 2420 Stevens Building conference room.

Prepared By: Steven D. Calvert, Audit Team Leader

Date: 5/10/01

Approved By: Samuel A. Vega, CBFO QA Manager

Date: 5/15/01
CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-01-03

Organization to be Audited: Hanford Site

Organizations to be Notified: Hanford Site
New Mexico Environment Department
Environmental Protection Agency
Environmental Evaluation Group
Defense Nuclear Facilities Safety Board

Date and Location: June 11-15, 2001
Richland, Washington

Audit Team:
Steve Calvert Audit Team Leader/CTAC
Wayne Ledford Auditor/CTAC
Dee Scott Auditor/CTAC
Amy Arceo Auditor/CTAC
Charlie Riggs Auditor/CTAC
Jim Schuetz Auditor/CTAC
Pete Rodriguez Auditor/CTAC
Steve Davis Auditor/CTAC
Patrick Kelly Technical Specialist/CTAC
BJ Verret Technical Specialist/CTAC
Ken Coop Technical Specialist/CTAC
Dick Blauvelt Technical Specialist/CTAC
Tom Ward Technical Specialist/WTS
Berta Oates Observer, CTAC

Audit Scope: This is the annual recertification audit of the Hanford Site for debris waste. The audit will evaluate the adequacy, implementation, and effectiveness of the applicable technical and quality assurance activities related to Hanford Transuranic Waste Characterization, Certification, and Transportation Programs. In addition, the audit will evaluate the procedures and processes for assay and packaging of waste at the Plutonium Finishing Plant.

Activities/Tasks to be Audited:
The following CBFO quality assurance elements will be evaluated:

Organization/QA Program Implementation
Personnel Qualification and Training
QA Grading
Documents and Records
Procurement
Control of Measuring and Test Equipment
Control of Nonconforming Items
Corrective Action
Audits/Assessments
Sample Control
Software Quality Assurance

The following CBFO Characterization technical elements will be evaluated:

Sample Design
Headspace Gas Sampling
Nondestructive Assay (NDA)
Real Time Radioscopy (RTR)
Visual Examination
Gas Analysis
Data Verification & Validation
Acceptable Knowledge
Packaging

The following CBFO Transportation technical elements will be evaluated:

Inspection of Packaging
Payload Certification
Preparation and Loading
Shipping
Packaging Maintenance

The following CBFO Certification technical elements will be evaluated:

Waste Stream Profile Forms
WIPP Waste Information System (WWIS)

Governing Documents/Requirements:

Adequacy evaluations of Hanford TWCP documents will be based on the current revisions of the following documents:

CAO Quality Assurance Program Document (QAPD), CAO-94-1012
Waste Analysis Plan (WAP), Attachment B6, of the RCRA Part B Permit
Waste Acceptance Criteria (WAC) for the Waste Isolation Pilot Plant, DOE/WIPP-069

Safety Analysis Report for TRUPACT-II Shipping Package, Appendix 1.3.7, TRAMPAC, and the TRUPACT-II Certification of Compliance, NRC 71-9281

Programmatic and technical checklists will be developed from the active revision of the following documents:

- Hanford Quality Assurance Project Plan (QAPjP) for the Transuranic Waste Certification Program, HNF-2599
- Hanford Site Transuranic Waste Certification Plan (includes TRAMPAC), HNF-2600
- Related Hanford technical and quality assurance implementing procedures

Schedule of Audit Activities:

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The audit team will meet with the appropriate Hanford management at 8:30 a.m. Wednesday, Thursday, and Friday in a Hanford 200 Area conference room.

A post-audit conference is scheduled for Friday, June 15, at 9:00 a.m. in the 2420 Stevens Building conference room.

Prepared By: Steven D. Calvert, Audit Team Leader

Date: 4/26/01

Approved By: Samuel A. Vega, CBFO QA Manager

Date: 05/04/01