



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
August 21, 2002

Mr. Steve Zappe, Project Leader
Hazardous & Radioactive Materials Bureau
New Mexico Environment Department
2905 E. Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

Dear Mr. Zappe:

This letter transmits a revised audit plan for the Carlsbad Field Office (CBFO) audit A-02-03 of the Argonne National Laboratory-East (ANL-E), TRU waste characterization activities utilizing the services of the Westinghouse TRU Solutions (WTS) Central Characterization Project (CCP). The audit is scheduled for the week of September 9-13, 2002. The plan was revised because CCP will use the current technical processes at ANL-E for characterization of homogeneous solids in addition to characterization and certification of retrievably stored debris wastes. The final certification of ANL-E for homogeneous solid wastes will be accomplished after the implementation of an acceptable solid sampling and analysis program, as well as an audit of the sampling and analysis processes.

Please contact the CBFO Quality Assurance Manager, Ava L. Holland, at (505) 234-7423 should you have any questions concerning this notification.

Sincerely,

Dr. Ines R. Triay
Manager

Enclosure

cc w/enclosure:

K. Watson, CBFO *ED
A. Holland, CBFO *ED
D. Miehls, CBFO *ED
C. Wu, CBFO *ED
C. Gadbury, CBFO *ED
J. Kieling, NMED *ED
J. Bearzi, NMED *ED
G. Lewis, NMED *ED
S. Holmes, NMED *ED
A. Harvey, ANL-E *ED
C. Rock, ANL-E *ED
F. Sharif, WTS *ED
P. Roush, WTS
CBFO QA Record File
CBFO M&RC



CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-02-03

Organization to be Audited: Argonne National Laboratory-East, Westinghouse TRU Solutions, Central Characterization Project (CCP) Services

Organizations to be notified: Argonne National Laboratory-East
Westinghouse TRU Solutions
New Mexico Environment Department (NMED)
Environmental Protection Agency (EPA)
Environmental Evaluation Group (EEG)
Defense Nuclear Facilities Safety Board (DNFSB)

Date and Location: September 9 - 13, 2002
Argonne National Laboratory-East
Argonne, Illinois

Audit Team:

| | |
|----------------|---|
| Dennis Miehls | CBFO QA Representative |
| Earl Bradford | Team Leader, CTAC |
| Jack Walsh | Auditor, CTAC |
| Steve Davis | Auditor, CTAC |
| Anabelle Axinn | Auditor, CTAC |
| Pete Rodriguez | Auditor, CTAC |
| Porf Martinez | Auditor, CTAC |
| Jim Schuetz | Auditor, CTAC |
| Chet Wright | Auditor, CTAC |
| Tom Putnam | Auditor, CTAC |
| Dick Blauvelt | AK Technical Specialist, CTAC |
| Ken Coop | NDA Technical Specialist, CTAC |
| Dorothy Gill | HSG Technical Specialist, CTAC |
| Karen Gaydosh | NDE (RTR) & VE Technical Specialist, CTAC |

Audit Scope:

The audit team will evaluate the adequacy, implementation, and effectiveness of the CCP technical and quality assurance activities contracted by Argonne National Laboratory-East (ANL-E), (The University of Chicago) for characterization and certification of retrievably stored debris waste (S5000) and characterization of homogeneous solid waste (S3000). The final certification of the characterized homogeneous solid waste will require a subsequent audit to approve the solid sampling and analysis processes.

Governing Documents/Requirements:

The overall program adequacy and effectiveness of CCP/ANL-E documents will be based on the current revisions of the following documents:

Quality Assurance Program Document (QAPD), CAO-94-1012

Hazardous Waste Facility Permit Waste Isolation Pilot Plant EPA No. NM4890139088-TSDF by the New Mexico Environment Department

Contact – Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC), DOE/WIPP-02-3122

Programmatic and technical Checklists will be developed from the active revisions of the following documents:

CCP Transuranic Waste Quality Assurance Characterization Project Plan (QAPJP), CCP-PO-001

CCP Transuranic Waste Certification Plan, CCP-PO-002

CCP/ANL-E Interface Document, CCP-PO-007

Contract between the University of Chicago (ANL-E) and WTS (Statement of Work)

Related CCP Quality Assurance and technical implementing procedures

Activities to be Audited:

The following CBFO quality assurance elements will be evaluated:

- Organization and Quality Assurance Program (Program Interfaces and Statement of Work)
- Nonconformances and Corrective Action
- Personnel Qualification and Training
- Documents & Records
- Work Processes
- Procurement
- Inspection and Testing (Control of M&TE)
- Audits/Assessments
- Software QA

The following CBFO Characterization technical elements will be evaluated:

- Data Validation & Verification
- Acceptable Knowledge (AK)
- Nondestructive Assay (NDA-WIT and APNEA)
- NDE (Digital Radiography/Computed Tomography)
- Visual Examination (VE)
- Head Space Gas Sampling and Analysis
- Waste Certification (e.g., Waste Stream Profile Form)
- WIPP Waste Information System (WWIS)
- Performance Demonstration Program (PDP)
- Waste Analysis Plan (WAP), Section B6

Schedule of Audit Activities:

A pre-audit conference is scheduled for Monday, September 9, 2002 at 4:00 p.m.

An audit team caucus will be held at 4:45 p.m. Tuesday through Thursday.

The audit team will meet with appropriate ANL-E and CCP management at 8:30 a.m. Wednesday through Friday.

A post-audit conference is scheduled for Friday, September 13, 2002 at 4:00 p.m. All meetings will take place at the designated ANL-E location in Argonne, Illinois.

Prepared by: Earl Bradford
Earl Bradford, CTAC
Audit Team Leader

Date: 8/14/02

Approved by: Ava L. Holland
Ava L. Holland,
Quality Assurance Manager

Date: 8/20/02