



United States Government

Department of Energy

# memorandum

Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: July 1, 2002

REPLY TO  
ATTN OF: CBFO:QA:DSM:GS:02-1205:UFC 2300.00

SUBJECT: Audit (A-02-03) of Argonne National Laboratory-East, TRU Waste Characterization Activities Utilizing the Services of the Westinghouse TRU Solutions LLC Central Characterization Project

to: Angela Harvey, DOE ANL-E

Please be advised that a team of auditors from the Carlsbad Field Office (CBFO) will conduct an audit of the Argonne National Laboratory-East (ANL-E), TRU waste characterization program utilizing the services of the Central Characterization Project (CCP) at ANL-E the week of September 9-13, 2002. This audit was originally scheduled for the week of July 15-19, 2002. The audit will be conducted in accordance with the attached audit plan. Representatives from the US Environmental Protection Agency (EPA), the New Mexico Environmental Department (NMED), and the Environmental Evaluation Group (EEG) may be present or participate in this audit.

Your representatives are requested to coordinate with the audit team to develop the necessary documentation for team access to ANL-E 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, please contact me at (505) 234-7491.

*Dennis S. Miehls* //signature on file  
Dennis S. Miehls  
Quality Assurance Specialist



## Attachment

cc w/attachment:

A. Holland, CBFO	*ED
K. Watson, CBFO	*ED
C. Rock, ANL-E	*ED
T. Harms, DOE-HQ	*ED
M. Eagle, EPA	*ED
E. Feltcorn, EPA	*ED
R. Joglekar, EPA	*ED
S. Monroe, EPA	*ED
B. Walker, EEG	*ED
S. Zappe, NMED	*ED
D. Winters, DNFSB	*ED
E. Bradford, CTAC	*ED
T. Bowden, CTAC	
P. Roush, WTS	
CBFO QA File	
CBFO M&RC	

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**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:**

Earl Bradford	Team Leader
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
Patrick Kelley	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.

**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

Related ANL-E Quality Assurance Program Documents

**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:** Wayne Ledford for //signature on file//  
Earl Bradford, CTAC  
Audit Team Leader

**Date:** 6/24/02

**Approved by:** Dennis S. Miehls for //signature on file//  
Ava L. Holland,  
Quality Assurance Manager

**Date:** 6-26-02