

United States Government



Department of Energy

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221



DATE: JUN 19 2013

REPLY TO
ATTN OF: CBFO:OQA:DSM:MAG:13-1448:UFC 2300.00

SUBJECT: Notification of Recertification Audit A-13-23 of the LANL/CCP

TO: M. Lee Bishop, LASO

Please be advised that an audit team from the U.S. Department of Energy - Carlsbad Field Office will conduct Recertification Audit A-13-23 of the Los Alamos National Laboratory Central Characterization Project (LANL/CCP), for the recertification of contact-handled transuranic waste characterization activities. The audit, which is scheduled for July 23-25, 2013, will be conducted in accordance with the attached audit plan. Representatives from the New Mexico Environment Department (NMED) and the Environmental Protection Agency (EPA) may be present to observe the audit. CCP and LANL personnel are requested to coordinate with the audit team to provide access to the LANL/CCP facilities and appropriate space to conduct meetings.

If you have any questions concerning the audit, please contact me at (575) 234-7491.

Dennis S. Miehls
Senior Quality Assurance Specialist

Attachment

cc: w/attachment

M. Navarrete, CBFO	*ED	R. Joglekar, EPA	ED
J.R. Stroble, CBFO	ED	S. Ghose, EPA	ED
T. Morgan, CBFO	ED	R. Lee, EPA	ED
N. Castaneda, CBFO	ED	J. Kieling, NMED	ED
F. Sharif, NWP	ED	T. Kliphuis, NMED	ED
T. Reynolds, NWP/CCP	ED	S. Holmes, NMED	ED
D. Gulbransen, NWP/CCP	ED	R. Maestas, NMED	ED
V. Cannon, NWP/CCP	ED	C. Smith, NMED	ED
A. J. Fisher, NWP/CCP	ED	P. Gilbert, LANL-CO	ED
J. Carter, NWP/CCP	ED	G. Lyshik, LANL-CO	ED
J. Hoff, NWP/QA	ED	B. Pace, CTAC	ED
W. Ledford, NWP/QA	ED	D. Harvill, CTAC	ED
M.A. Mullins, NWP/QA	ED	G. White, CTAC	ED
T. Peake, EPA	ED	WIPP Operating Record	ED
L. Bender, EPA	ED	CBFO QA File	
E. Felcorn, EPA	ED	CBFO M&RC	

*ED denotes electronic distribution



CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-13-23

Organization to be Audited: Los Alamos National Laboratory (LANL), Nuclear Waste Partnership LLC (NWP) Central Characterization Project (CCP)

Organizations to be Notified: LANL
NWP CCP
U.S. Environmental Protection Agency (EPA)
New Mexico Environment Department (NMED)
Defense Nuclear Facilities Safety Board (DNFSB)

Date and Location: July 23 – 25, 2013
Los Alamos, New Mexico
Carlsbad, New Mexico

Audit Team:

Dennis Miehls	Audit Team Management Representative Carlsbad Field Office (CBFO)
Berry D. Pace	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Cindy Castillo (RTR)	Auditor, CTAC
Tammy Bowden (Trans)	Auditor, CTAC
Katie Martin (C6 QA)*	Auditor, CTAC
Porf Martinez (RTR)	Auditor, CTAC
Earl Bradford (AK)*	Auditor, CTAC
Rick Castillo (NDA)	Auditor, CTAC
Pricilla Martinez (VE)	Auditor, CTAC
Kirk Kirkes (PL V&V)*	Technical Specialist, CTAC
Dick Blauvelt (AK)*	Technical Specialist, CTAC
Paul Gomez (HSG)*	Technical Specialist, CTAC
Rhett Bradford (VE)	Technical Specialist, CTAC
James Oliver (NDA)	Technical Specialist, CTAC
B. J. Verret (Trans)	Technical Specialist, CTAC
Joe Willis (Trans)	Technical Specialist, NWP

* Indicates team members working at the Skeen-Whitlock building in Carlsbad, NM.

Audit Scope:

The audit team will evaluate the continued adequacy, implementation, and effectiveness of the CCP quality assurance (QA), technical, and transportation activities performed at LANL for characterization, certification, and transportation of contact-handled (CH) Summary Category Group (SCG) S3000 homogeneous solids waste, SGC S4000 soils/gravels and SCG S5000 debris waste. See the attached, "Processes and Equipment to be Evaluated During Audit A-13-23 of the LANL/CCP," for additional details.

Governing Documents/Requirements

Overall program adequacy and effectiveness of the LANL/CCP processes will be based on the current revisions of the following documents.

- DOE/CBFO-94-1012, *Quality Assurance Program Document (QAPD)*
- Hazardous Waste Facility Permit Waste Isolation Pilot Plant, EPA No. NM4890139088-TSDF, the New Mexico Environment Department
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
- *Contact-Handled Transuranic Waste Authorized Methods for Payload Control (CH-TRAMPAC)*

Programmatic and technical checklists will be developed from 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-003, *CCP Transuranic Authorized Methods for Payload Control (CCP CH-TRAMPAC)*
- CCP-PO-012, *CCP/LANL Interface Document*
- Related NWP/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

C6-1 and C6-3 and General Quality Assurance Program Elements

- Personnel Qualification and Training
- Nonconformances
- Records
- Identification and Control of Items
- Documents/Records Control (notebooks/logbooks)
- Software Version Installation (as applicable)
- Measuring and Test Equipment (M&TE)

Technical

- Acceptable Knowledge (AK)
- Generation and Project-Level Data Validation and Verification (V&V)
- Headspace Gas Sampling (HSGS)
- Solids Sampling
- Visual Examination (VE)
- Visual Examination Technique (VET), Off-Site Source Recovery Program
- Real-time Radiography (RTR)

- Nondestructive Assay (NDA) and participation in the Performance Demonstration Program (PDP)
- WIPP Waste Information System (WWIS)/Waste Data System (WDS)
- Waste Certification (e.g., Waste Stream Profile Form)

Transportation

- Flammable Gas Analysis
- Waste Certification
- Load Management
- Payload Assembly and Loading
- Packaging Operations
- Leak Testing
- Shipping Documentation
- Shipping
- Container Management

Schedule of Audit Activities:

A pre-audit conference will be scheduled for Tuesday, July 23, 2013, at 8:30 a.m.

Audit team caucus meetings will be held Tuesday, July 23 and Wednesday July 24, 2013 at 3:30 p.m., and Thursday, July 25, 2013, at 2:00 p.m.

The audit team will brief appropriate LANL and CCP management on Wednesday, July 24, and Thursday, July 25, 2013, at 8:30 a.m.

A post-audit conference is scheduled for Thursday, July 25, 2013, at 3:30 p.m.

All meetings will take place at designated LANL and CBFO locations to be determined by LANL/CCP management.

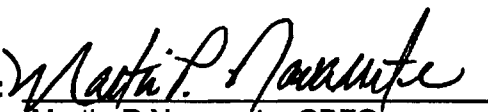
Prepared by:


Berry D. Pace, CTAC
Audit Team Leader

Date:

6/17/13

Concurrence:


Martin P Navarrete, CBFO
Acting Director, Office of Quality Assurance

Date:

6-18-13

Processes and Equipment to be Evaluated During Audit A-13-23 of the LANL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
PROCESSES TO BE EVALUATED FOR INITIAL CERTIFICATION				
TBD	Non-Destructive Assay In Situ Object Counting System (ISOCS) Procedure(s) – CCP-TP-076, CCP-TP-077 and CCP-TP-103	Solids (S3000) Soils/Gravel (S5000)	N/A	NO
PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT				
N/A	Headspace Gas Sampling Procedure – CCP-TP-093 Description – Headspace Gas Sampling (HSGS)	Debris (S5000)	*YES *HSGS is no longer required by the Permit as of March 13, 2013	N/A
11RR1	Real-Time Radiography (RTR) Procedure(s) – CCP-TP-053 and CCP-TP-028 Description – Real-Time Radiography (RTR) Mobile Characterization System [built by VJ Technologies] 55-gallon drums	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
11RR2	Real-Time Radiography (RTR) Procedures – CCP-TP-053 and CCP-TP-028 Description – Real-Time Radiography (RTR) Mobile Characterization System [built by VJ Technologies] 55-gallon drums	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES

Processes and Equipment to be Evaluated During Audit A-13-23 of the LANL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
11HERTR3	High Energy Real-Time Radiography (HERTR) Procedures CCP-TP-053 and CCP-TP-028 Description – High Energy Real-Time Radiography (RTR) [built by VJ Technologies] 55-gallon drums and SWBs	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
11VE1	CH Visual Examination Procedure – CCP-TP-113 Description – CH Characterization performed utilizing Visual Examination (VE) and Acceptable Knowledge (AK)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
11VE2	Off-Site Source Recovery Program Procedure(s) – CCP-TP-069 and CCP-TP-101 Description – Characterization performed utilizing Visual Examination (VE) and Acceptable Knowledge (AK)	Debris (S5000)	YES	YES
N/A	Acceptable Knowledge Procedure – CCP-TP-005 Description – Acceptable Knowledge (AK)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Data Verification and Validation Procedure(s) – CCP-TP-001, CCP-TP-002, CCP-TP-003, CCP-TP-103, CCP-TP-162	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
11HC1	Nondestructive Assay Procedure – CCP-TP-064 Description – Canberra Industries High Efficiency Neutron Counter (HENC) mounted in a transportation container	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES

Processes and Equipment to be Evaluated During Audit A-13-23 of the LANL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
11HC2	Nondestructive Assay Procedure – CCP-TP-064 Description – Canberra Industries High Efficiency Neutron Counter (HENC) mounted in a trailer	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
11SHC1	Nondestructive Assay Procedure – CCP-TP-059 and CCP-TP-103 Description – Super High-Efficiency Neutron Counter mounted in a trailer, SWBs	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES
N/A	WIPP Waste Information System/Waste Data System (WWIS/WDS) Procedure – CCP-TP-030 Description – CH TRU Waste Characterization and WWIS Data Entry	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	YES	YES
N/A	Transportation Procedure(s) – CCP-TP-054, CCP-TP-055, CCP-TP-086, DOE/WIPP-02-3184, DOE/WIPP-02-3220, DOE/WIPP-02-3183	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	N/A
11HG2	Flammable Gas Analysis Procedure – DOE/WIPP-06-3345 Description – Flammable Gas Analysis (FGA)	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	N/A
N/A	Quality Assurance Program	Solids (S3000) Soils/Gravel (S4000) Debris (S5000)	N/A	YES