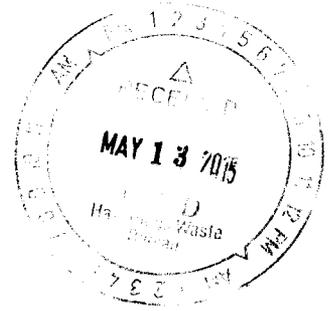


ENTERED



Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221
MAY 13 2015



Mr. John E. Kieling, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

Subject: Audit Plan and Notification of Assigned Auditors for Recertification Audit
A-15-18, INL/CCP Transuranic Waste Characterization Activities

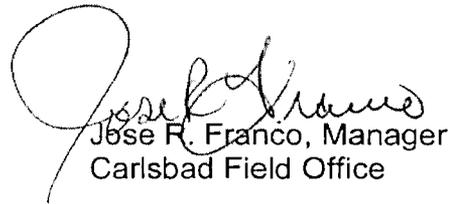
Dear Mr. Kieling:

This letter transmits the audit plan for Carlsbad Field Office Recertification Audit A-15-18 of the Idaho National Laboratory/Central Characterization Program (INL/CCP). The audit will be conducted as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, Section C4-3g, and will be held at the INL/CCP facilities near Idaho Falls, ID, and the Skeen-Whitlock Building in Carlsbad, NM, June 16 – 18, 2015. The audit plan identifies the audit team members as required by Permit Section C6-3.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Should you have any questions concerning this notification, please contact Mr. Dennis S. Miehl, Senior Quality Assurance Specialist, at (575) 234-7491.

Sincerely,


Jose R. Franco, Manager
Carlsbad Field Office

Enclosure



Mr. John E. Kieling

-2-

MAY 13 2015

cc: w/enclosure

D. Bryson, CBFO *ED

M. Brown, CBFO ED

M. Navarrete, CBFO ED

J.R. Stroble, CBFO ED

G. Basabilvazo, CBFO ED

N. Castaneda, CBFO ED

S. Holmes, NMED ED

R. Maestas, NMED ED

C. Smith, NMED ED

V. Daub, CTAC ED

R. Allen, CTAC ED

P. Martinez, CTAC ED

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T. Ackman, CTAC ED

D. Harvill, CTAC ED

G. White, CTAC ED

A. Urquidez, RES ED

CBFO QA File

CBFO M&RC

*ED denotes electronic distribution

CARLSBAD FIELD OFFICE AUDIT PLAN

Audit Number: A-15-18

Organization to be Audited: Idaho National Laboratory
Central Characterization Program (INL/CCP)

Organizations to be Notified: U.S. Department of Energy – Idaho Falls (DOE-ID)
U.S. Environmental Protection Agency (EPA)
Nuclear Waste Partnership LLC (NWP)
New Mexico Environment Department (NMED)

Date and June 16 – 18, 2015

Location: Idaho Falls, ID, and Carlsbad, NM

Audit Team:

Dennis Miehls	Carlsbad Field Office (CBFO) Management Representative
Tamara Ackman	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC)
Berry Pace	Auditor, CTAC (Program Status)
Jim Schuetz*	Auditor, CTAC (C6 QA)
Bob Prentiss*	Auditor, CTAC (C6 QA)
Katie Martin	Auditor, CTAC (VE)
Roger Vawter	Auditor, CTAC (NDA and DTC)
Charlie Riggs	Auditor, CTAC (AK)
Kathy Hood	Auditor-in-Training, CTAC (VE)
Greg Knox	Auditor/Technical Specialist, CTAC (RTR)
B.J. Verret	Auditor/Technical Specialist, CTAC (GGT, FGA, and Container Management)
Porf Martinez	Technical Specialist, CTAC (VE)
Rhett Bradford	Technical Specialist, CTAC (RTR)
Paul Gomez	Technical Specialist, CTAC (PL V&V)
Dick Blauvelt	Technical Specialist, CTAC (AK)
Jim Oliver	Technical Specialist, CTAC (NDA and DTC)
Michel Hall	Technical Specialist, CTAC (NDA and DTC)
Judith Stewart	Technical Specialist-in-Training, CTAC (AK)

*Personnel auditing in Carlsbad, NM

Audit Scope:

The audit team will evaluate the continued adequacy, implementation, and effectiveness of INL/CCP transuranic waste activities as they relate to the Waste Isolation Pilot Plant (WIPP) Hazardous Waste Facility Permit for characterization and certification of contact-handled Summary Category Groups (SCGs) S3000

homogeneous solids, S4000 soils/gravel, S5000 debris waste, and remote-handled SCGs S3000 homogeneous solids and S5000 debris waste. The specific items to be audited are listed under Activities to be Audited.

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 Activities in Carlsbad, NM

The following quality assurance (QA) elements will be evaluated for compliance with the Permit, utilizing checklists C6-1 and C6-2.

- Personnel Qualification and Training
- Records
- Quality Improvement/Nonconformances
- WIPP Waste Information System/Waste Data System (WWIS/WDS)

Technical Elements in Idaho Falls, ID

The following technical elements will be evaluated for compliance with the Permit, utilizing checklists C6-1 through C6-4 and/or procedural checklists, as applicable.

- Acceptable Knowledge (AK)
- Waste Certification (e.g., Waste Stream Profile Forms)
- Project-level Data Validation and Verification (PL V&V)
- Real-time Radiography (RTR)
- Visual Examination (VE)
- Sample Control
- Nondestructive Assay (NDA)
- Dose-to-Curie (DTC)
- Flammable Gas Analysis (FGA)
- Gas Generation Testing (GGT)
- Container Management

For additional details, see the attached *Processes and Equipment to be Reviewed During Audit A-15-18 of INL/CCP*.

Governing Documents/Requirements:

Adequacy of INL/CCP documents will be based on the current revisions of the following documents:

- Waste Isolation Pilot Plant Hazardous Waste Facility Permit NM4890139088-TSDF
- DOE/CBFO-94-1012, *Quality Assurance Program Document*
- DOE/WIPP-02-3214, *Remote-Handled TRU Waste Characterization Program Implementation Plan*
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*

Programmatic and technical checklists will be developed from the active 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-024, *CCP/INL Interface Document*
- CCP-PO-501, *CCP/INL RH TRU Waste Interface Document*
- Related INL/CCP and NWP QA and technical implementing procedures

Schedule of Audit Activities:

A pre-audit conference will be held Tuesday, June 16, 2015, at 8:30 a.m.

Audit team caucus meetings will be held Tuesday and Wednesday, June 16 and 17, 2015, at 4:00 p.m.

Daily management briefings will be held Wednesday and Thursday, June 17 and 18, 2015, at 8:30 a.m.

An audit team caucus meeting will be held Thursday, June 18, 2015, at 2:00 p.m.

A post-audit conference is scheduled for Thursday, June 18, 2015, at 3:30 p.m.

All meetings will take place at the designated INL and Carlsbad locations.

Prepared by: Tamara D. Ackman Date: 05/12/15
Tamara D. Ackman, CTAC
Audit Team Leader

Concurrence: D. J. Michels FOR Date: 5-12-15
Michael R. Brown, Director
CBFO Quality Assurance Division

Processes and Equipment to be Reviewed During Audit A-15-18 of the INL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
<u>NEW PROCESSES OR EQUIPMENT</u>				
14601C2	Radiological characterization analysis using ORIGEN2.2 As identified in CCP-RC-INL-601	Debris (S5000)	N/A	YES
14631C3	Radiological characterization neutron dose-to-curie (DTC) method by confirmation As identified in CCP-RC-INL-631	Debris (S5000)	N/A	YES
<u>PREVIOUSLY APPROVED PROCESSES OR EQUIPMENT</u>				
14VE1	Visual Examination (VE) Procedure – CCP-TP-006 Description – Visual Examination Technique (VET)	Solids (S3000) Soils (S4000) Debris (S5000)	YES	YES
14RHVE1	Visual Examination Procedure – CCP-TP-500 Description - The VE of audio/video media process used for a total of 70 retrievably stored remote-handled (RH) debris waste drums	Solids (S3000) Soils (S4000) Debris (S5000)	YES	YES
14RRH1	Nondestructive Examination Procedure – CCP-TP-508 Equipment – RTR-RTR-0659 Description – VJ Technologies, Real-time Radiography Characterization (RTR-RTR-0659) System	Solids (S3000) Debris (S5000)	YES	YES
N/A	Acceptable Knowledge	Solids (S3000) Soils (S4000) Debris (S5000)	YES	YES
N/A	Data Validation and Verification	Solids (S3000) Soils (S4000) Debris (S5000)	YES	YES

Processes and Equipment to be Reviewed During Audit A-15-18 of the INL/CCP

WIPP #	Process/Equipment Description	Applicable to the Following Waste Streams/Groups of Waste Streams	Currently Approved by NMED	Currently Approved by EPA
N/A	WIPP Waste Information System (WWIS)/Waste Data System (WDS)	Solids (S3000) Soils (S4000) Debris (S5000)	YES	YES
14SGRS1	Nondestructive Assay Procedure – CCP-TP-115 Description – Stored Waste Examination Pilot Plant (SWEPP) Gamma Ray Spectrometer (SGRS)	Solids (S3000) Soils (S4000) Debris (S5000)	N/A	YES
14WAGS1	Nondestructive Assay Procedure – CCP-TP-019 Description – Waste Assay Gamma Spectrometer	Solids (S3000) Soils (S4000) Debris (S5000)	N/A	YES
14DTC1	Radiological characterization process using dose-to-curie (DTC) and modeling-derived scaling factors for assigning radionuclide values to RH waste stream Dose-rate fractional contribution of Cs-137 and Co-60 using OSPREY La ₃ Br(Ce) gamma detector Procedure CCP-TP-504	Solids (S3000) Debris (S5000)	N/A	YES
14GG1	Gas Generation Testing Procedure – CCP-TP-083 Equipment – MGSS Unit/Cart 1 (GC-14B) Description – Gas Generation Testing 55-gallon drums	Waste Type IV	N/A	N/A
14GG2	Gas Generation Testing Procedure – CCP-TP-083 Equipment – MGSS Unit/Cart 2 (GC-17A) Description – Gas Generation Testing 55-gallon drums	Waste Type IV	N/A	N/A
N/A	Load Management	Solids (S3000) Soils (S4000) Debris (S5000)	N/A	YES
N/A	Quality Assurance Program	Solids (S3000) Soils (S4000) Debris (S5000)	N/A	YES