



**Department of Energy**  
Carlsbad Field Office  
P. O. Box 3090  
Carlsbad, New Mexico 88221  
**NOV 07 2018**

NOV 13 2018

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

**Subject:** Transmittal of Audit Plan and Notification of Assigned Auditors for CBFO Audit A-19-06 of the Idaho National Laboratory Central Characterization Program

Dear Mr. Kieling:

This letter transmits the audit plan for Carlsbad Field Office (CBFO) Recertification Audit A-19-06 of the Idaho National Laboratory (INL) Central Characterization Program (CCP). The audit will be conducted as required by the Waste Isolation Pilot Plant Hazardous Waste Facility Permit, and will be held at the Skeen-Whitlock Building in Carlsbad, New Mexico, and at the INL site facilities near Idaho Falls, Idaho December 17 – 19, 2018. The audit plan identifies the audit team members, as required by the Permit.

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 fine and imprisonment for knowing violations.

Please contact Dennis S. Miehl in the CBFO Office of Quality Assurance at (575) 234-7491, should you have any questions concerning this notification.

Sincerely,

Todd Shrader, Manager  
Carlsbad Field Office

Enclosure



cc: w/enclosure

R. Murray, EM	*ED
D. Gadbury, CBFO	ED
K. Princen, CBFO	ED
C. Fesmire, CBFO	ED
M. Navarrete, CBFO	ED
D. Miehl, CBFO	ED
M. Stapleton, CBFO	ED
M. Brown, CBFO	ED
H. Cruickshank, CBFO	ED
R. Maestas, NMED	ED
D. Biswell, NMED	ED
H. Tellez, NMED	ED
M. McLean, NMED	ED
T. Runyon, CTAC	ED
P. Martinez, CTAC	ED
M. Leroch, CTAC	ED
C. Castillo, CTAC	ED
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J. Vernon, CTAC	ED
A. Urquidez, RES	ED
J. Haschets, RES	ED
R. Chavez, RES	ED

CBFO QA File

CBFO M&RC

\*ED denotes electronic distribution

**CARLSBAD FIELD OFFICE  
AUDIT PLAN**

**Audit Number:** A-19-06

**Organization to be Audited** Idaho National Laboratory (INL) Nuclear Waste Partnership LLC (NWP) Central Characterization Program (CCP)

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

**Date and Location:** December 17 – 19, 2018  
Idaho Falls, ID, and Carlsbad, NM

**Audit Team:**

Dennis Miehls	Carlsbad Field Office (CBFO) Office of Quality Assurance (QA) Management Representative
Jim Vernon*	Audit Team Leader, CBFO Technical Assistance Contractor (CTAC), Auditor (Interface, Transportation)
Ricardo Chavez	Auditor, CTAC (AK)
Dick Blauvelt*	Technical Specialist, CTAC (AK)
Randy Fitzgerald*	Technical Specialist, CTAC (AK)
Joe Lopez	Technical Specialist, CTAC (WWIS/WDS, Software Quality Assurance [SQA])

\*Indicates team member working via teleconference.

**Audit Scope:**

The audit team will evaluate the adequacy, implementation, and effectiveness of the INL-CCP waste characterization processes for contact-handled (CH) Summary Category Groups (SCGs) S3000 homogeneous solids waste, S4000 soils/gravel, and S5000 debris waste. Technical and Quality Assurance (QA) requirements specific to the enhanced Acceptable Knowledge (AK) process in accordance with DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC)* Appendix H and I will be audited. CH SCGs S3000, S4000 and S5000 will also be audited specifically for the processes listed on Attachment 1 of this plan. This audit will be conducted to recertify the INL-CCP CH waste program.

**Governing Documents/Requirements:**

Evaluation of the overall program adequacy, implementation, and effectiveness of INL-CCP documents will be based on the current revisions of the following documents:

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

- DOE/WIPP-07-3372, *Waste Isolation Pilot Plant Documented Safety Analysis* (Chapter 18)

Programmatic and technical checklists will be developed from the 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-024, *CCP/INL Interface Document*
- Related INL-CCP QA and technical implementing procedures

**Activities to be Audited:**

General

- INL-CCP Interface

Technical Activities

- AK, including waste certification
  - Including, but not limited to, Chemical Compatibility Evaluation Memorandum, Basis of Knowledge, AK Assessments, AK Briefings, Interface Waste Management Documents List
- Transportation including Flammable Gas Analysis (FGA) and Gas Generation Testing (GGT)
- WIPP Waste Information System/Waste Data System (WWIS/WDS)

**Schedule of Audit Activities:**

A pre-audit conference is scheduled for 9:00 a.m. on Monday, December 17, 2018, at the Skeen-Whitlock Building, conference room T-224.

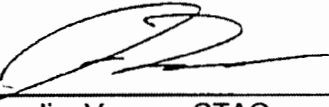
Audit team caucuses will be held at 3:00 p.m. on Monday and Tuesday, December 17 and 18, and at 1:00 p.m. on Wednesday, December 19, 2018, at the Skeen-Whitlock Building, conference room T-224.


If needed, the audit team leader will conduct a management briefing with appropriate NWP CCP Management at 8:30 a.m. on Tuesday and Wednesday, December 18 and 19, 2018, at the Skeen-Whitlock Building, conference room T-224.

A post-audit conference is scheduled for 2:00 p.m. on Wednesday, December 19, 2018, at the Skeen-Whitlock Building, conference room T-224.

Audit activities will be conducted in Carlsbad, New Mexico and Idaho Falls, Idaho.

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Approved By:  \_\_\_\_\_ Date: 10-24-18  
Jim Vernon, CTAC  
Audit Team Leader

Approved By:  FOR \_\_\_\_\_ Date: 10-25-18  
Donald C. Gadbury, Director  
CBFO Office of Quality Assurance

CENTRAL CHARACTERIZATION PROGRAM at Idaho National Laboratory					
List of Process/Equipment Certified from Table's 1 and 2 of this Memorandum to Be Audited					
WDS Method ID#	Site Equipment # or Title	Description	Components	Software	NDA and TMU
<b>Gas Generation Testing (GGT)</b>					
14GG1	Gas Generation Testing	Gas Generating Testing, 55 gallon drums CCP-TP-083	• MGSS Unit/Cart 1 (GC-14B)	N/A	N/A
14GG2	Z-211-103	Gas Generating Testing, 55 gallon drums CCP-TP-083	• MGSS Unit/Cart 2 (GC-14B)	N/A	N/A
<b>Flammable Gas Analysis (FGA)</b>					
N/A	N/A	Headspace Gas Sampling and Analysis DOE/WIPP-06-3345	GC/MS #9 and #10	N/A	N/A