



United States Government

Department of Energy

# memorandum

 Carlsbad Field Office  
 Carlsbad, New Mexico 88221

DATE: August 9, 2011

REPLY TO  
ATTN OF: CBFO:OQA:DSM:MAG:11-0673:UFC 2300.00

SUBJECT: Notification of Surveillance S-11-29, LANL/CCP NDA Process Using SuperHENC for the  
Characterization of CH Waste

TO: M. Lee Bishop, LASO



As a follow-up to Audit A-11-11, please be advised that a surveillance team from the Carlsbad Field Office (CBFO) will conduct Surveillance S-11-29 of the Los Alamos National Laboratory (LANL) Central Characterization Project (CCP) Super High Efficiency Neutron Counter (SuperHENC) Nondestructive Assay (NDA) process for the characterization of contact-handled (CH) waste. The surveillance will be conducted at LANL on August 15, 2011 in accordance with the attached surveillance plan.

Your representatives are requested to coordinate with the surveillance team to provide cognizant personnel to support the surveillance, and access to the appropriate documentation and records.

If you have any questions or comments concerning this notification, please contact me at (575) 234-7491.

Dennis S. Miehls  
Senior Quality Assurance Specialist

## Attachment

cc: w/attachment

|                        |     |                                |    |
|------------------------|-----|--------------------------------|----|
| R. Unger, CBFO         | *ED | R. Joglekar, EPA               | ED |
| J. R. Stroble, CBFO    | ED  | S. Ghose, EPA                  | ED |
| N. Castaneda, CBFO     | ED  | R. Lee, EPA                    | ED |
| M. Navarrete, CBFO     | ED  | J. Kieling, NMED               | ED |
| D. Ploetz, WTS/CCP     | ED  | S. Holmes, NMED                | ED |
| M. Sensibaugh, WTS/CCP | ED  | T. Hall, NMED                  | ED |
| V. Cannon, WTS/CCP     | ED  | T. Kesterson, DOE OB WIPP NMED | ED |
| A. J. Fisher, WTS/CCP  | ED  | D. Winters, DNFSB              | ED |
| M. Walker, WTS/CCP     | ED  | P. Gilbert, LANL-CO            | ED |
| Y. Salmon, WTS/CCP     | ED  | G. Lyshik, LANL-CO             | ED |
| J. Carter, WTS/CCP     | ED  | G. Knox, CTAC                  | ED |
| G. Rael, LASO          | ED  | M. Mager, CTAC                 | ED |
| T. Peake, EPA          | ED  | WIPP Operating Record          | ED |
| M. Eagle, EPA          | ED  | CBFO QA File                   |    |
| E. Felcorn, EPA        | ED  | CBFO M&RC                      |    |

\*ED denotes electronic distribution

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## CARLSBAD FIELD OFFICE SURVEILLANCE PLAN

**Surveillance**

**Number:** S-11-29

**Organization to  
be Surveilled:**

Los Alamos National Laboratory (LANL)  
Central Characterization Project (CCP)

**Date:** August 15, 2011

**Location:** Los Alamos National Laboratory

**Surveillance Team:** Greg Knox Surveillance Team Leader, Carlsbad Field  
Office (CBFO) Technical Assistance  
Contractor (CTAC)

Jim Oliver Technical Specialist, CTAC

**Surveillance Scope:**

The surveillance team will observe and evaluate the Canberra Industries NDA Super High Efficiency Neutron Counter (SuperHENC) system and related process for the characterization of CH waste in SWB in support of initial certification.

**Activities/Tasks to be Observed:**

The surveillance team will observe and evaluate NDA activities for CH waste in accordance with procedure CCP-TP-059, Rev. 0, *CCP Operating the Super High Efficiency Neutron Counter (SuperHENC) Using NDA 2000*, and CCP-PO-002, Rev. 26, *CCP Transuranic Waste Certification Plan*. The audit team will also review batch data reports associated with the NDA SuperHENC system.

**Governing Documents/Requirements:**

- *CBFO Quality Assurance Program Document (QAPD)*, DOE/CBFO-94-1012
- *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (WAC)*, DOE/WIPP-02-3122
- CCP-TP-059, Rev. 0, *CCP Operating the Super High Efficiency Neutron Counter (SuperHENC) Using NDA 2000* and associated CCP procedures

**Schedule of Surveillance Activities:**

A pre-surveillance conference will be held Monday, August 15, 2011, at 8:00 a.m., including safety briefings.

Due to the small team size and short duration of this surveillance, a team caucus will not be held and management will be briefed as needed.

A post-surveillance conference is to be determined at a later time if required.

All meetings will take place at LANL locations to be determined.

Prepared By:   
Greg Knox, Surveillance Team Leader

Date: 9 Aug 2011

Approved By:   
Dennis S. Miehl, Senior Quality Assurance Specialist

Date: 8-9-11