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# memorandum

Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: NOV - 5 2012  
REPLY TO  
ATTN OF: CBFO:OQA:CF:CC:12-1563:UFC 2300.00  
SUBJECT: CBFO Surveillance Report S-13-11 for NWP/CCP NABC Five Foot Setback Configuration  
TO: Herbert Crapse, DOE-SR

The Carlsbad Field Office (CBFO) conducted a surveillance to evaluate the adequacy, implementation, and effectiveness of the Nuclear Waste Partnership, LLC (NWP)/Central Characterization Program (CCP) nondestructive assay waste characterization process using the Nondestructive Assay Box Counter (NABC) Five Foot Setback Configuration for the purposes of characterizing and certifying contact-handled Summary Category Group (SCG) S3000 homogeneous solids, SCG S4000 soil/gravel, and SCG S5000 debris wastes in 55-gallon drums. The surveillance report is attached.

The surveillance team verified that the NABC's Five Foot Setback Configuration procedures adequately address upper-tier requirements, are satisfactorily implemented, and are effective.

If you have any questions, please contact me at (575) 234-7548.

  
FOR Courtland G. Fesmire, P.E.  
Quality Assurance Engineer  
R. UNGER

Attachment



Mr. Herbert Crapse

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NOV - 5 2012

cc: w/attachment

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WIPP Operating Record	ED
CBFO QA File	
CBFO M&RC	

\*ED denotes electronic distribution

## CBFO SURVEILLANCE REPORT

**Surveillance Number:** S-13-11      **Date of Surveillance:** October 10 - 11, 2012  
**Surveillance Title:** Nondestructive Assay Box Counter (NABC) Five Foot Setback Configuration  
**Organization:** Nuclear Waste Partnership LLC (NWP), formerly Washington TRU Solutions LLC (WTS)/Central Characterization Program (CCP)

### Surveillance Team:

Courtland G. Fesmire	Carlsbad Field Office (CBFO) Management Representative
Priscilla Y. Martinez	Team Leader, CBFO Technical Assistance Contractor (CTAC)
Jim Oliver	Team Member, CTAC

### Surveillance Scope:

The surveillance team reviewed and evaluated the adequacy, implementation, and effectiveness of the NWP/CCP nondestructive assay (NDA) waste characterization process using the NABC gamma modality with the Five Foot Setback Configuration for the purposes of characterizing and certifying contact-handled (CH) Summary Category Group (SCG) S3000 homogeneous solids, SCG S4000 soils/gravel, and SCG S5000 debris wastes in 55-gallon drums.

The surveillance was based on the following documents:

- DOE/CBFO-94-1012, *CBFO Quality Assurance Program Document*
- CCP-PO-002, *CCP Transuranic Waste Certification Plan*
- DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*
- Applicable CCP implementing procedures

### Activities Evaluated:

The following CCP activities were evaluated during the surveillance:

- Personnel qualification and training
- Records
- Review of data/documentation
- Data entry

A checklist was prepared based on the current revisions of the NABC operating procedures (CCP-TP-189, *CCP Box Segmented Gamma System (BSGS) Operating Procedure, Revision 2*, and CCP-TP-191, *CCP Box Neutron Assay System (BNAS) Operating Procedure, Revision 1*). Additionally, the current revisions of the system calibration confirmation and verification documents (CCP-SRS-SRBC001 GBC CCV,

Revision 5, and CCP-SRS-SRBC003 GBC CCV, Revision 4) were reviewed for technical adequacy. Data collected using the new Five Foot Setback Configuration, as evidenced in BDRs SRLBC0680, SRLBC0681, SRLBC0682, and SRLBC0683, were thoroughly reviewed for completeness and technical adequacy.

The surveillance was conducted by document review and interaction by both telephone and email with NWP/CCP technical representatives.

The calibration confirmation and verification documents were determined to be technically adequate and the implementing procedures were determined to provide an adequate implementation of upper-tier requirements; specifically, those requirements applicable to CH NDA contained in DOE/CBFO-94-1012, *CBFO Quality Assurance Program Document*, CCP-PO-002, *CCP Transuranic Waste Certification Plan*, and DOE/WIPP-02-3122, *Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant*.

Qualifications and training were verified for personnel performing NABC operations activities and all personnel were determined to be appropriately trained and qualified. Qualification cards were verified for general and job-specific training requirements, proper preparation, and required signatures.

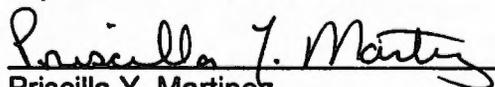
The surveillance team evaluated WTS records processing activities related to the NABC's Five Foot Setback Configuration activities. All quality assurance records reviewed were legible, accurate, and maintained compliantly.

The NDA activities related to the implementation of the Five Foot Setback Configuration of the NABC were determined to be satisfactorily implemented and effective.

**Surveillance Results:**

The surveillance team identified no concerns during the surveillance.

The surveillance team verified that the NABC's Five Foot Setback Configuration procedures adequately address upper-tier requirements, are satisfactorily implemented, and are effective. The team determined that the NABC's Five Foot Setback Configuration processes and associated activities evaluated are satisfactorily implemented and effective.

  
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Priscilla Y. Martinez  
Surveillance Team Leader

10-25-12  
Date

*For*   
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Courtland G. Fesmire, P.E.  
CBFO Management Representative

2 Nov 12  
Date

