



United States Government

Department of Energy

# memorandum

Carlsbad Field Office  
Carlsbad, New Mexico 88221

DATE: OCT 16 2013  
REPLY TO  
ATTN OF: CBFO:OQA:MN:CC:13-2075:UFC 2300.00  
SUBJECT: CBFO Report for Surveillance S-14-08, AMWTP RTR Unit 101  
TO: Benjamine B. Roberts, DOE-ID



The Carlsbad Field Office (CBFO) conducted a surveillance to evaluate the use of Advanced Mixed Waste Treatment Project (AMWTP) Real-Time Radiography (RTR) Unit 1001, located in Building WMF-610, for characterizing contact-handled Summary Category Groups (SCGs) S3000 solids waste and S5000 debris waste in 55-gallon drums.

No concerns were identified during the surveillance. The surveillance team concluded that the use of AMWTP RTR Unit 1001 for characterizing contact-handled SCGs S3000 solids waste and S5000 debris waste is adequate in meeting upper-tier requirements, and that procedures are satisfactorily implemented and effective.

If you have any questions or comments concerning the surveillance report, please contact me at (575) 234-7483.

Martin P. Navarrete  
Senior Quality Assurance Specialist

Attachment



Mr. Benjamine B. Roberts

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OCT 16 2013

cc: w/attachment  
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Site Documents ED  
WWIS Database Administrators ED  
CBFO QA File  
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\*ED denotes electronic distribution

## CBFO SURVEILLANCE REPORT

**Surveillance Number:** S-14-08    **Date of Surveillance:** October 8, 2013

**Surveillance Title:** Advanced Mixed Waste Treatment Project (AMWTP) RTR Unit 1001 Surveillance

**Organization Surveilled:** AMWTP

### Surveillance Team:

Porf Martinez	Surveillance Team Leader, Carlsbad Field Office (CBFO) Technical Assistance Contractor (CTAC)
Rhett Bradford	Technical Specialist, CTAC
Roger Vawter	Observer, CTAC

### Surveillance Scope:

The scope of Surveillance S-14-08 was to evaluate the Real-Time Radiography (RTR) Unit 1001 (equipment ID RTR-RTR-1001) for characterizing contact-handled (CH) Summary Category Groups (SCGs) S3000 homogeneous solids waste and S5000 debris waste.

### Activities Evaluated:

The surveillance team observed the AMWTP RTR waste characterization process at the Idaho National Laboratory, in Building WMF-610. The surveillance team interviewed RTR operators, including the RTR Subject Matter Expert, and observed the implementation of AMWTP Procedure INST-OI-12, Revision 52, *Real-Time Radiography Examinations (Certification Scans)*, to determine the effective implementation of the RTR waste characterization process using AMWTP RTR Unit 1001. The surveillance team verified the use of the most current revision of the referenced RTR operations procedure and verified acceptable knowledge summary information was available for reference. The surveillance team observed the RTR certification scans for container number 10166840, an S5112 debris waste container from Item Description Code (IDC) RF-480, and container number 10026160, an S3114 solids waste container from IDC RF-003. RTR operator certification scans and data entry into the Waste Tracking System were performed in compliance with AMWTP Procedure INST-OI-12, Revision 52. The surveillance team also verified data entries into the RTR operations logbook were satisfactorily recorded. The surveillance team examined and evaluated Batch Data Reports (BDRs) RTR13-00217 and RTR13-00219. The results of the review indicate that RTR operators are performing image testing as required, adequately describing and recording container contents, effectively initiating nonconformance reports for prohibited items and nonconforming items/conditions, performing independent observations and replicate scans, and that BDRs are being reviewed at the project level for completeness and accuracy as

required. The surveillance team reviewed RTR operator training qualifications and supporting documentation during the AMWTP Recertification Audit A-14-01, performed October 1-3, 2013.

**Governing Documents/Requirements:**

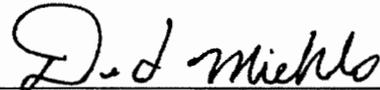
- *CBFO Quality Assurance Program Document, DOE/CBFO-94-1012*
- *Hazardous Waste Facility Permit, Waste Isolation Pilot Plant, EPA No. NM4890139088-TSDF, the New Mexico Environment Department*
- *Real-Time Radiography Examinations (Certification Scans), INST-OI-12*

**Surveillance Results:**

No concerns were identified during the surveillance. The surveillance team verified that the AMWTP RTR Unit 1001 contains the equipment and components specified in the Hazardous Waste Facility Permit. The results of the surveillance indicate that upper-tier requirements are adequately incorporated into implementing plans and procedures, and RTR characterization procedures are effectively implemented for characterizing CH SCGs S3000 homogeneous solids waste and S5000 debris waste using RTR Unit 1001.

Surveillance Team Leader:  Date: 10/15/13  
Porf Martinez

Assistant Manager/Office Director: N/A Date: N/A

CBFO QA Director Approval:  Date: 10-16-13