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Carlsbad Field Office
Carlsbad, New Mexico 88221



DATE: JUL 25 2011

REPLY TO ATTN OF: CBFO:OQA:DSM:MAG:11-0645:UFC 2300.00

SUBJECT: Surveillance Report for Surveillance S-11-21 of the SRS/CCP Large Container Non-Destructive Examination System Using the Standard Large Box 2

TO: Herbert Crapse, DOE-SR

Attached is the Surveillance Report for Carlsbad Field Office Surveillance S-11-21 of the Savannah River Site Central Characterization Project (SRS/CCP) Large Container Non-Destructive Examination System Using the Standard Large Box 2. The surveillance was conducted on July 7, 2011 at the Savannah River Site and on July 12-13, 2011 in Carlsbad, New Mexico.

The surveillance team concluded that the technical and quality assurance programs for the process evaluated were adequate, satisfactorily implemented, and effective. The details of the surveillance are provided in the attached report.

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

Dennis S. Miehs
Senior Quality Assurance Specialist

Attachment

cc: w/attachment

- | | | | |
|-----------------------|-----|--------------------------------|----|
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| M.A. Mullins, WTS | ED | M. Mager, CTAC | ED |
| T. Peake, EPA | ED | WWIS Database Administrators | ED |
| M. Eagle, EPA | ED | WIPP Operating Record | ED |
| E. Feltcorn, EPA | ED | CBFO QA File | |
| R. Joglekar, EPA | ED | CBFO M&RC | |

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CBFO SURVEILLANCE REPORT

Surveillance Number: S-11-21 Date of Surveillance: July 7, 12 & 13, 2011

Surveillance Title: Savannah River Site Central Characterization Project (SRS/CCP)
Large Container Non-Destructive Examination System Using the
Standard Large Box 2

Organization: SRS/CCP

Surveillance Team:

Priscilla Y. Martinez	Team Leader, Carlsbad Field Office (CBFO) Technical Assistance Contractor, (CTAC)
Porf Martinez	Auditor/Technical Specialist, CTAC
Rhett Bradford	Technical Specialist, CTAC

Surveillance Scope:

Surveillance S-11-21 was conducted to verify the adequacy, implementation, and effectiveness of the SRS/CCP Large Container Non-Destructive Examination (LCNDE) System used for characterization of the Standard Large Box 2 (SLB2). The surveillance team reviewed batch data reports (BDRs), training requirements, and project-level data validation and verification activities, and observed associated video/audio media.

Surveillance Results:

The surveillance team determined that the SRS/CCP LCNDE activities evaluated were adequate, satisfactorily implemented, and effective. The evaluation was based on the following documents.

- *CBFO Quality Assurance Program Document (QAPD)*, DOE/CBFO-94-1012
- Hazardous Waste Facility Permit for the Waste Isolation Pilot Plant, EPA No. NM4890139088-TSDF, New Mexico Environment Department
- *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*, CCP-TP-053
- *CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure*, CCP-TP-074
- *CCP Project Level Data Validation and Verification*, CCP-TP-001
- *CCP Training and Qualification Plan*, CCP-QP-002
- *CCP Radiographic Test and Training Drum Construction*, CCP-TP-028

Activities Evaluated:

The surveillance of the SRS/CCP LCNDE System was conducted in two stages. On July 7, 2011, the surveillance team observed real-time radiography (RTR) operations in Cell 2 at the Savannah River Site, Area E. The surveillance team observed RTR characterization scans for SLB2 containers SR55800003 and SR55680307, both part of BDR SRLBR0016. The surveillance team verified RTR operations were performed to current revisions of procedures CCP-TP-053, *CCP Standard Real-Time Radiography (RTR) Inspection Procedure*, and CCP-TP-074, *CCP Large Container Non-Destructive Examination (LCNDE) Operating Procedure*. The surveillance team interviewed RTR personnel and reviewed operational logbooks and standing work orders.

On July 12 and 13, 2011, the surveillance team reviewed BDRs and training documentation in the CCP Project Office, at the Skeen-Whitlock Building in Carlsbad, New Mexico. The surveillance team reviewed the current revisions of RTR-related procedures CCP-TP-028, *CCP Radiographic Test and Training Drum Construction*, CCP-QP-002, *CCP Training and Qualification Plan*, and CCP-TP-001, *CCP Project Level Data Validation and Verification*. The review determined that the procedures adequately address requirements from upper-tier documents.

The surveillance team examined RTR BDRs SRLBR0004, SRLBR0009, SRLBR0011, and SRLBR0012 containing documentation for SLB2 containers, and reviewed eight associated audio/video recordings of SLB2 RTR activities.

The surveillance team evaluated evidence of RTR operator training and qualification records and determined that RTR operators were appropriately qualified as required.

Overall, RTR activities associated with the SRS/CCP LCNDE System were determined to be adequate in addressing upper-tier requirements, satisfactory in implementation of these requirements, and effective in achieving the desired results.

Surveillance Team Leader Signature: Priscilla Y. Martinez Date: 7-25-11
Priscilla Y. Martinez

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

CBFO QA Director Approval Signature: [Signature] Date: 7-25-11