

United States Government


ENTERED
 Department of Energy

memorandum

 Carlsbad Field Office
 Carlsbad, New Mexico 38221

DATE: April 3, 2003

REPLY TO
ATTN OF: CBFO:QA:DSM:GS:03-1118:UFC 2300.00

SUBJECT: Issuance of Corrective Action Reports 03-051

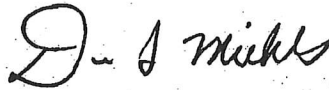
to: Herbert Crapse, SR



The Carlsbad Field Office (CBFO) performed Audit A-03-16 of the Savannah River Site (SRS), Central Characterization Project (CCP) Non-Destructive Assay system IQ3 on March 25-27, 2003. As a result of the audit CBFO Corrective Action Report (CAR) 03-051 was issued.

Please document on the enclosed CAR continuation sheets your proposed corrective actions and a schedule for completion and forward to me prior to the response due date identified in CAR Block 14. The corrective action for CAR 03-051 requiring accelerated corrective action must be completed within thirty days of the receipt of this memorandum.

If you have any questions or comments, please contact me at (505) 234-7491.



Dennis S. Miehl
Quality Assurance Specialist

Attachments

cc w/attachments:

A. Holland, CBFO	*ED
K. Watson, CBFO	*ED
M. Kokovich, SRS	*ED
M. Mason, SRS	*ED
A. Calaruso, NV	*ED
M. Eagle, EPA	*ED
E. Feltcorn, EPA	*ED
R. Joglekar, EPA	*ED
S. Zappe, NMED	*ED
S. Webb, EEG	*ED
D. Winters, DNFSB	*ED
A. Haar, WTS	*ED
S. Peterman, WTS	*ED
F. Sharif, WTS	*ED
S. Davis, CTAC	*ED
A. Pangle, CTAC	*ED
P. Roush, WTS	
CBFO QA Files	
CBFO M&RC	

030412



CORRECTIVE ACTION REPORT

1. CAR No.: 03-051	2. Activity Report No.: A-03-16	3. Page <u>1</u> of
4. Controlling Document: CH TRU WAC DOE-WIPP-02.3122, R. 0.1	5. CBFO Assessment Team Leader: Dennis Miehl	
6. Responsible Organization: : Central Characterization Project (CCP)	7. CAQ Was Discussed With: Dave Haar, Sue Peterman, John Fleissner	
8. Requirement that was violated: (See continuation sheet)		
9. Condition Adverse to Quality: CCP-TP-048, Revision 1, Appendix, does not address the quantification of Pu-242 based on Pu-238 bearing waste. The software calculates this quantity correctly. (See continuation sheet)		
10. Suggested Actions (Optional):		
11a. Significant CAQ	(Yes or No): Yes	
11b. Work Suspension Recommended	(Yes or No): No	
11c. RCRA-Related	(Yes or No): No	
11d. Accelerated Corrective Action Required	(Yes or No): Yes	
12. Types of Actions: Remedial: <input checked="" type="checkbox"/> Investigative: <input checked="" type="checkbox"/> Root Cause: <input checked="" type="checkbox"/> Actions to Preclude Recurrence: <input checked="" type="checkbox"/>		
13. CAR Initiator: <u>S. Davis/P. Kelly</u> Date: <u>4/1/03</u>		
14. Response Due Date: <u>4-18-03</u> Corrective Action Plan Required: YES Required Corrective Action Completion Date: <u>5-5-03</u>		
15. a. Concurrence: <u>D. J. Miehl</u> Assessment Team Leader	Date: <u>4-3-03</u>	b. <u>N/A</u> Responsible Assistant Manager
c. <u>Ava Holland</u> Quality Assurance Manager		Date: <u>4/3/03</u>
16. Corrective Actions Proposed by the Responsible Organization: Use CAR Continuation Sheet		
17. Acceptance of Proposed Corrective Actions: _____ Date _____ Assessment Team Leader		
18. Verification of Corrective Action Completion: (Use CAR Continuation Sheet)		
19a. Verified By: _____ Name		Date _____
19b. Trend Cause Code: _____		
20. Closure: _____ Quality Assurance Manager		Date _____

CBFO CORRECTIVE ACTION REPORT

(continuation sheet)

1. CAR No.: 03-051

2. Activity No.: A-03-16

3. Page 2 of 2

Item # 8: Requirement That was Violated:

DOE-WIPP-02.3122, Revision 0.1, Section A.3, states, "At a minimum radioassay program must be capable of identifying, measuring and reporting the presence or absence of the ten radionuclides identified in section 3.3.1 (^{241}Am , ^{240}Pu , ^{242}Pu , ^{233}U , ^{234}U , ^{238}U , ^{90}Sr , and ^{137}Cs) for tracking of the WIPP radionuclide inventory."

DOE-WIPP-02.3122, Revision 0.1, Section A.3, states, "The site shall derive the equivalent of an LLD, i.e. a reporting threshold for a radionuclide(s) when it is technically justified. This value may be based on decay kinetics, scaling factors or other scientifically based relationships and must be adequately documented in site records."

Item # 9: Condition Adverse to Quality:

- MCS-SRS-NDA-2003, Revision 1, does not describe how the LLD for U-234 will be determined for Pu-239 bearing wastes.
- Batch Data Report number SR-NDA-003 contains a sample (#SR205316) that shows a positive value for Sr-90 and Cs-137. There appears to be an error in the software used in deriving the mass value for Sr-90.

Note: Waste characterized at a certified site (Nevada Test Site) is impacted by this condition adverse to quality. Therefore, this CAR will require accelerated corrective actions