

United States Government

Department of Energy

# memorandum

 Carlsbad Field Office  
 Carlsbad, New Mexico 88221


DATE: October 27, 2003

REPLY TO  
ATTN OF: CBFO:QA:MPN:GS:03-2921:UFC 2300.00

SUBJECT: Issuance of Corrective Action Report Initiated During Audit A-03-05

TO: Brian Edgerton, DOE-ID  
Richard Cullison, DOE-ID

The Carlsbad Field Office (CBFO) conducted a Corrective Action Report verification visit for Audit A-03-05 of the Idaho National Environmental and Engineering Laboratory (INEEL) Advanced Mixed Waste Treatment Project (AMWTP) on October 15 16, 2003. During this visit, one condition adverse to quality was identified. CAR 04-006 is attached.

Please provide the expected completion date of the corrective action for CAR 04-006 by the response due date identified in CAR block 14. Upon the completion of the required corrective actions, please submit a CAR closure package for review by CBFO.

If you have any questions or comments, please contact me at (505) 234-7483.

Martin P. Navarrete  
Quality Assurance Specialist

## Attachments

cc:

A. Holland, CBFO	*ED
K. Watson, CBFO	*ED
R. Knerr, CBFO	*ED
J. Wells, DOE-ID	*ED
E. Dumas, BNFL	*ED
E. Schweinsberg, BNFL	*ED
M. Eagle, EPA	*ED
E. Feltcorn, EPA	*ED
R. Joglekar, EPA	*ED
S. Zappe, NMED	*ED
S. Holmes, NMED	*ED
S. Webb, EEG	*ED
D. Winters, DNFSB	*ED
J. May, CTAC	*ED
A. Pangle, CTAC	*ED
K. Dunbar, WRES	
CBFO QA FILE	
CBFO M&RC	

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# CORRECTIVE ACTION REPORT

1. CAR No.: 04-006	2. Activity Report No.: A-03-05 CAR Closure Verification	3. Page <u>1</u> of <u>2</u>
4. Controlling Document: MP-TRUW-8.1	5. CBFO Assessment Team Leader: <del>A. Holland</del> <i>M. NAVA RILEY</i> <i>MAJ 10-27-03</i>	
6. Responsible Organization: AMWTP	7. CAQ Was Discussed With: E. Schweinsberg, Gina Tedford	
8. Requirement that was violated:  (See Continuation Page)		
9. Condition Adverse to Quality: The software associated with the NDA process in determining the TRU alpha activity for the container being assayed, incorrectly sums all alpha activity including the activities contributed by non-TRU radionuclides. BDR ASY03-00173, Drum # 10000220 displayed TRU activity of 3.54E-03 Ci/g when it should have indicated 0Ci/g for the TRU activity. This issue does not affect any of the assay data for the drums that have been assayed to date and is strictly a software problem.		
10. Suggested Actions (Optional):		
11a. Significant CAQ	(Yes or No): No	
11b. Work Suspension Recommended	(Yes or No): No	
11c. RCRA-Related	(Yes or No): No	
11d. Accelerated Corrective Action Required	(Yes or No): No	
12. Types of Actions: Remedial: <input checked="" type="checkbox"/> Investigative: <input checked="" type="checkbox"/> Root Cause: <input type="checkbox"/> Actions to Preclude Recurrence: <input checked="" type="checkbox"/>		
13. CAR Initiator: <u>Jeff May</u> <i>[Signature]</i> Date: <u>10/21/03</u>		
14. Response Due Date: <u>11/21/03</u> Corrective Action Plan Required: No Required Corrective Action Completion Date: <u>N/A</u>		
15. a. Concurrence: <u><i>[Signature]</i></u> <u>10-27-03</u> b. <u>N/A</u> _____ Assessment Team Leader Date Responsible Assistant Manager Date		
c. <u>N/A</u> _____ Quality Assurance Manager Date		
16. Corrective Actions Proposed by the Responsible Organization: Use CAR Continuation Sheet		
17. Acceptance of Proposed Corrective Actions: _____ Assessment Team Leader Date		
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.: 04-006

2. Activity Report No.: A-03-05  
CAR Closure Verification

3. Page 2 of 2

**Block # 8.**

MP-TRUW-8.1, Section 3.3.3 states in part: "The TRU alpha activity in each drum is determined from the alpha-emitting TRU isotopes with half-lives greater than 20 years. The TRU alpha activity is determined using the DAS in accordance with work instruction, INST-OI-14, *Drum Assay Operations*. The TRU alpha activity concentration for each payload container is calculated by dividing the TRU alpha activity by the net weight of the container (weight of the waste). The net weight of the container is determined by subtracting the tare weight of the container (including the weight of the rigid liner and any shielding external to the waste, if applicable) from the gross weight of the container. The method used to determine the gross weight of the container is described in section 3.2.2. The TRU alpha activity concentration is transferred from the DAS and stored on the WTS."