

United States Government

Department of Energy

memorandumCarlsbad Field Office
Carlsbad, New Mexico 88221

DATE: April 6, 2005
 REPLY TO
 ATTN OF: CBFO:QA:MPN:LC:05-0924:UFC:2300
 SUBJECT: CARs 05-014 and 05-017 Closure Packages
 TO: Jeff Snook, DOE-ID



The Carlsbad Field Office (CBFO) performed verification of corrective action completion for Corrective Action Reports (CARs) 05-014 and 05-017. The corrective actions taken and implemented for these CARs have been evaluated by the review of the objective evidence submitted in the CAR closure package transmitted via letter ED-AMWTP-020-2005, dated March 31, 2005. The results of the evaluation indicate that Advanced Mixed Waste Treatment Project (AMWTP) has addressed the issues identified in CARs 05-014 and 05-017 and has implemented the corrective actions for these issues.

The CAR Continuation Sheets documenting corrective action completion and closure of CARs 05-014 and 05-017 are attached.

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

Martin P. Navarrete
 Senior Quality Assurance Specialist

Attachments

cc w/attachments:
 A. Holland, CBFO *ED
 K. Watson, CBFO ED
 J. Wells, DOE-ID ED
 M. Eagle, EPA ED
 E. Feltcorn, EPA ED
 R. Joglekar, EPA ED
 S. Zappe, NMED ED
 S. Holmes, NMED ED
 E. Schweinsberg, BNFL ED
 E. Dumas, BNFL ED
 A. Dobson, BNFL ED
 D. Winters, DNFSB ED
 A. Pangle, CTAC ED
 C. Riggs, CTAC ED
 L. Price, LANL ED
 CBFO M&RC
 CBFO QA File
 WIPP Operating Record, MS 486-06
 *ED denotes electronic distribution

050415



CBFO CORRECTIVE ACTION REPORT

(continuation sheet)

1. CAR No: 05-014

2. Activity No: CBFO Audit A-05-08

3. Page 1 of 1

Block # 18 Verification of Corrective Action Completion (continued):

Verified that MP-CD&M-11.2, Rev. 8 addressed the identified problems.

Verified that MP-CD&M-11.2.1, Rev. 5 addressed the identified problems.

Verified that MP-CD&M-11.2.2, Rev. 3 addressed the identified problems.

Verified that MP-CD&M-11.2.3, Rev. 2 address the four identified problems.

Reference:

1. BNFL Inc. letter dated March 31, 2005 from Elvin Dumas, QA Manager to Martin Navarrete, CBFO "Transmittal of Objective Evidence for Corrective Action Report 05-014, 05-017, 05-018, and 05-019 - ED-020-2005".
2. Email from E. Dumas to Charlie Riggs and Norman Frank dated April 5, 2005, "Car 05-014 Procedure Links

Verified that the Document Links for MP-CD&M-11.2 referred to INST-CD&M-11.2.1, INST-CD&M-11.2.2, and INST-CD&M-11.2.3.

Verified that the Document Links for INST-CD&M-11.2.1 referred to MP-CD&M-11.2, INST-CD&M-11.2.2, and INST-CD&M-11.2.3.

Verified that the Document Links for INST-CD&M-11.2.2, Rev. 7 referred to MP-CD&M-11.2, INST-CD&M-11.2.1, and INST-CD&M-11.2.3.

Verified that the Document Links for INST-CD&M-11.2.3 referred to MP-CD&M-11.2, INST-CD&M-11.2.1, and INST-CD&M-11.2.2.

Closure of this CAR is recommended.

Block # 19a Verified by: N. Frank Date: April 5, 2005

Block # 19b Trend Cause Code: 2.1

CBFO CORRECTIVE ACTION REPORT

(Continuation Sheet)

1. CAR No. 05-017	2. Activity Report No. A-05-08	3. Page <u>1</u> Of <u>2</u>
<p>Block 18: Verification of Corrective Action Completion</p> <p>The corrective actions taken and implemented for this CAR were evaluated based on closure documentation package transmitted to CBFO via BNFL letter ED-020-2005, dated March 31, 2005. The corrective actions and objective evidence reviewed and found to be satisfactory are as follows:</p> <p>Remedial Action:</p> <ol style="list-style-type: none">1. <i>Complete an impact analysis to ensure that the 7 SCRs did not adversely affect any WIPP characterization data quality.</i> <p>Verification Results:</p> <p>Verified by review of Table of Impact Analysis.</p> <ol style="list-style-type: none">2. <i>Remove the unapproved SCRs and reload the correct "prod" files into WTS to accurately reflect the approved, validated versions of the affected WTS screens.</i> <p>Verification Results:</p> <p>Verified by review of Patch Log for WTS Patch 5.3.16 performed Thu Mar 3 18:12:06 2005, and associated Explanation of Patch Log.</p> <ol style="list-style-type: none">3. <i>Verify all vendor software to confirm that versions on plant are consistent with the Records of the approved hard copy versions of the affected WTS screens.</i> <p>Verification Results:</p> <p>Verified by review of Software version Checklist documented on 3/22/05.</p> <p>Investigative Actions:</p> <p>Verified that AMWTP adequately performed an investigation to determine the extent of the condition by review of the AMWTP CAR 12740 and the submitted objective evidence. A root cause determination was performed using DOE G 231.1-2 with the following results:</p> <ol style="list-style-type: none">1) A3B1C03 Human Performance less than adequate, incorrect performance due to mental lapse. The system engineer for this system performed this upgrade infrequently and although conversant with the change control program he was less familiar with the classification process.2) A5B2C02 Communication less than adequate, difficult to implement. As written the procedure INST-CD&M-11.2.2 was difficult to implement as it would have required a procedure revision after every patch.3) A5B2C08 Communication less than adequate, incomplete, situation not covered. Although the software administrator erred in completing the steps to update the version, specific instruction for completing the process do not exist in the current approved implementing procedures.		

CBFO CORRECTIVE ACTION REPORT

(Continuation Sheet)

1. CAR No. 05-017

2. Activity Report No. A-05-08

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Block 18: Verification of Corrective Action Completion (Continued)

Corrective Actions to Preclude Recurrence:

1. *All System Engineers to be re-briefed on the procedural requirements for accurate recording of upgraded versions of software. This corrective action will address Root Cause #1.*

Verification Results:

Verified by review of AMWTP Training Roster dated 03/16/05.

2. *INST-CD&M-11.2.2 will be modified to identify that software versions will be controlled in PVCS. This corrective action will address Root Cause #2.*

Verification Results:

Verified by review of INST-CD&M-11.2.2, Revision 3, dated 3/31/05, Software Inventory Classification.

3. *Revise procedure INST-CD&M-11.2.1 to introduce more rigor to the software installation step and reduce the chance of a single human error. This corrective action will address Root Cause #3.*

Verification Results:

Verified by review of INST-CD&M-11.2.1, Revision 5, dated 3/31/05, Software Version Control.

Based on the above supporting documentation and actions, it is recommended that CAR 05-017 be closed.

Block 19a: Verifier: Charlie Riggs/Norman Frank

Date: 4/5/05

Block 19b: Trend Cause Code: 2.1