

United States Government


Department of Energy

memorandum

Carlsbad Field Office
Carlsbad, New Mexico 88221

DATE: September 7, 2001
REPLY TO
ATTN OF: CBFO:QA:TJR:VW:01-1439:UFC:2300

SUBJECT: Evaluation and Closure of Corrective Action Reports 01-052, 01-053, 01-057
and 01-059

SEP 11 2001
RECEIVED

TO: Farok Sharif, WTS/CCP

The Carlsbad Field Office (CBFO) has evaluated the corrective actions for Corrective Action Reports (CARs) 01-052, 01-053, 01-057 and 01-059. The results of the evaluation indicate that WTS/CCP has adequately addressed the issues identified in the CARs. The evaluation results are documented on the attached CAR Continuation Sheets. The CARs have been closed by CBFO.

If you have any questions or comments, please contact me at 234-7311.



Thomas J. Reese
Acting Quality Assurance Manager

Attachments

cc: w/attachments
K. Watson, CBFO
B. Bennington, CBFO
L. Chism, CBFO
D. Winters, DNFSB
S. Zappe, NMED
B. Walker, EEG
M. Eagle, EPA
M. Gerle, WTS Operating Record
J. Schuetz, CTAC

cc: w/o attachments
E. Bradford, CTAC

010914



CBFO CORRECTIVE ACTION REPORT

(Continuation Sheet)

1. CAR No. 01-052

2. Activity Report No. S-01-052

3. Page 1 Of 1

Block 17. Acceptance of Proposed Corrective Actions

I have reviewed the CCP Corrective Action Plan submitted by M. F. Sharif to Samuel Vega (REF: CP:01:01082) on August 15, 2001 for this CAR and it is acceptable.

Block 18. Verification of Corrective Action Completion

In verifying the corrective action associated with this CAR the following documents were reviewed: CCP-TP-025, *CCP Mobile IPAN/GEA Expert Analysis*, Revision 2, 7-03-01; CCP-AK-SRS-1, Revision 0, pages 11, 12, 17 and 18; and, supporting documentation. The CAR addressed the lack of reporting of values for U-234 & Sr-90. The documents reviewed provided adequate documentation to address this issue for both radionuclides; the corrective actions are complete.

Block # 19a Verified By:

Patrick Kelly
Patrick Kelly

August 24, 2001

Date

Block # 19b Trend Cause Code: 3.2, Inattention to detail

CBFO CORRECTIVE ACTION REPORT

(continuation sheet)

1. CAR No.: 01-053

2. Activity No.: S-01-19

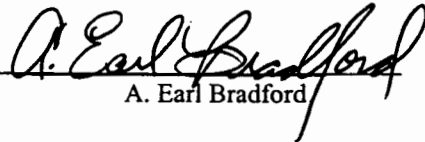
3. Page 4 of 4

Block # 18 Verification of Corrective Action Completion

The following documentation was verified.

1. Approved Corrective Action Plan for CAR-01-053, evaluated by Earl Bradford on 7/25/01 and transmitted to Farok Sharif from Samuel A. Vega on July 26, 2001 (CBFO:QA:MLC:VW:01-1187:UFC:2300).
2. Request for Verification and Closure of CBFO Corrective Action Request Number 01-053, dated August 20, 2001 (CP:01:01084, UFC:2300.00) from Farok Sharif to Samuel A. Vega. The following attachments to this document provided objective evidence that the corrective actions were completed:
 - a) The initiated and completed copy of the approved Corrective Action Plan for Corrective Action Report #01-053, signifying closure verification by the CCP Department Manager, Larry Dell, dated 8/20/01.
 - b) CCP-TP-005, Rev. 1, "CCP Acceptable Knowledge Documentation", Effective Date: August 11, 2001.
 - c) CCP-TP-002, Rev. 2, "CCP Reconciliation of DQOs and Reporting Characterization Data", Effective Date: August 2, 2001
 - d) Interpretation: Change to SRS Mixed Waste Streams Waste Matrix Code (WMC)
 - e) The definition of WMC S5440 provided in Section 2.0 of the revised SRS AK Summary Report
 - f) CCP-QP-026, Rev. 3, "CCP Inspection Control", Effective Date: August 13, 2001
 - g) Project Office Personnel CAR – Required Reading Status sheet identifying procedures CCP-QP-026 and CCP-TP-005 and associated reading acknowledgement sheets for all the CCP Project Office personnel.
 - h) SRS CAR – Required Reading Status sheet identifying procedure CCP-TP-005 and the associated reading acknowledgement sheets for all the SRS based CCP Personnel.

Block # 19a Verified By:


A. Earl Bradford

8/31/2001
Date

Block # 19b Trend Cause Code: 2.1 , Inadequate Procedure

CBFO CORRECTIVE ACTION REPORT

(continuation sheet)

1. CAR No.: 01-057

2. Activity No.: S-01-19

3. Page 4 of 4

Block # 18 Verification of Corrective Action Completion

The following documentation was verified.

1. Approved Corrective Action Plan for CAR-01-057, evaluated by Marlin Horseman for Earl Bradford on 8/1/01 and transmitted to Farok Sharif from Samuel A. Vega on August 8, 2001 (CBFO:QA:SAV:VW:01-1401:UFC:2300).
2. Request for Verification and Closure of CBFO Corrective Action Request Number 01-057, dated August 20, 2001 (CP:01:01084, UFC:2300.00) from Farok Sharif to Samuel A. Vega. The following attachments to this document provided objective evidence that the corrective actions were completed:
 - a) The initiated and completed copy of the approved Corrective Action Plan for Corrective Action Report #01-057, Rev. 1, signifying closure verification by the CCP Department Manager, Larry Dell, dated 8/20/01.
 - b) Attachment to Corrective Action Plan for CAR 01-057 (Lists all CCP CARS)
 - c) Nonconformance Report, NCR No. NCR-SRS-0001-01, dated 5/7/01
 - d) Voided Nonconformance Report, NCR No. NCR-SRS-0001-01 with concurrence by the Originator, Responsible Manager and the SPQAO, dated 5/24/01.
 - e) Memorandum providing objective evidence of the NCR review for impact of deficiencies on the AK Summary, signed by the AK Expert, Wes Estill, dated August 13, 2001.
 - f) CCP-QP-005, Rev. 4, "CCP TRU Nonconforming item Reporting and Control", Effective Date: July 18, 2001.
 - g) CCP-PO-004, Rev. 3, "CCP/SRS Interface Document", Effective Date: August 17, 2001
 - h) Project Office Personnel CAR – Required Reading Status sheet identifying procedures CCP-QP-005 and CCP-TP-005 and associated reading acknowledgement sheets for all the CCP Project Office personnel.
 - i) SRS CAR – Required Reading Status sheet identifying procedures CCP-QP-005 and CCP-TP-005 and the associated reading acknowledgement sheets for all the SRS based CCP Personnel.
 - j) CCP Commitment Tracking System TRU Nonconforming Item Reporting and Control Log dated Monday, August 20, 2001 And copies of all the NCRs listed on the Log (identifies all NCRs issued to date within the CCP Program, as well as the total reviewed to address potential impact upon the AK process)

Block # 19a Verified by:


A. Earl Bradford

8/31/2001
Date

Block # 19b Trend Cause Code: 2.1, Inadequate Procedure

CBFO CORRECTIVE ACTION REPORT

(Continuation Sheet)

1. CAR No. 01-059

2. Activity Report No. S-01-09

3. Page

Of

Block # 17 Acceptance of Corrective Actions

I reviewed the Corrective Action Plan for CAR-01-048, 01-051 and 01-059 (REF: CP-01:01080), submitted to Samuel A. Vega by M. F. Sharif on August 14, 2001. The proposed corrective actions for CAR-01-059 are acceptable.

Block # 18 Verification of Corrective Action Completion

I have reviewed the CCP corrective action plan submitted on August 14, 2001 for this CAR. This plan addresses three specific conditions that are listed below with the status of each:

- Lack of valid calibration for IPAN/GEA NDA system – the required annual verification of calibration was performed in June, 2001 and is documented in BII-5104-AVR-001, *Mobile Assay System Annual Verification Report for SRS Operations*. This action adequately addresses this CAR.
- Use of algorithm for the IPAN/GEA system that incorrectly quantifies the Pu-239 fissile mass for samples that report a U-235 detection limit – two software units have been revised to address this issue and are documented in BII-5104-SRN-013 and BII-5104-SRN-014, and Data V&V descriptions BII-5104-SVVD-000 and BII-5104-ERGSVVD-000. These actions adequately address this CAR.
- Lack of adequate documentation for the IPAN/GEA system's TMU – the Corrective Action Plan submitted to CBFO by CCP provided Revision 0 of the BNFL document BII-5104-TMU-001, *Total Measurement Uncertainty for the BNFL Instruments Mobile Assay System*, dated 7-03-01. This document has been modified and is technically acceptable. However, some of the language in this report should be clarified to better present the authors' conceptual basis. Specifically: (1) page 15 should better explain why PAN data can be used as presented; (2) page 19 should better explain that the intention is to de-couple the effects of the matrix and the source term distribution; and, (3) the derivation of the PAN standard deviation being used as 5σ limits should be explained.

Block # 19a Verified By:

Patrick Kelly

Patrick Kelly

August 24, 2001

Date

Block # 19b Trend Cause Code: 3.2, Inattention to detail