

United States Government

Department of Energy

memorandumCarlsbad Field Office
Carlsbad, New Mexico 88221

DATE: November 19, 2002

REPLY TO
ATTN OF: CBFO:QA:DSM:GS:02-1955:UFC 2300.00

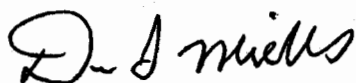
SUBJECT: Corrective Action Verification and Closure of Corrective Action Reports 02-096 & 02-097

TO: Tim Hedahl, National TRU Program

The Carlsbad Field Office has completed verification of corrective actions for the subject Corrective Action Reports (CARs).

The results of this evaluation indicate that the Central Characterization Project (CCP) has adequately addressed the issues identified in the CARs. The CARs are now considered closed. The CAR Continuation Sheets documenting completion of this activity are attached for your information.

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



Dennis S. Miehls
Quality Assurance Specialist



Attachments

cc: w/attachments
 A. Holland, CBFO *ED
 K. Watson, CBFO *ED
 M. Eagle, EPA *ED
 S. Zappe, NMED *ED
 D. Winters, DNFSB *ED
 B. Walker, EEG *ED
 T. Putnam, CTAC *ED
 A. Pangle, CTAC *ED
 E. Bradford, CTAC *ED
 D. Haar, WTS *ED
 A.J. Fisher, WTS *ED
 P. Roush, WTS
 CBFO QA File
 CBFO M&RC

021120



CBFO CORRECTIVE ACTION REPORT

(Continuation Sheet)

1. CAR No. 02-096	2. Activity Report No. A-02-15	3. Page 1 Of 1
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Block # 18 Verification of Corrective Action Completion

The corrective actions taken and implemented for CAR 02-096 have been completed as evidenced by review of the corrective action/objective evidence package, submitted by NTS/CCP.

The corrective action commitments relative to the *Remedial, Investigative, Root Cause Determination*, and *Actions to Preclude Recurrence* as described in the NTS/CCP corrective action plan submitted October 22, 2002 ((WTS: TP:02:0239 UFC:4250.00) have been satisfactorily verified per review of the following objective evidence:

- CLOSURE OF CORRECTIVE ACTION PLANS FOR CORRECTIVE ACTION REPORTS 02-096 AND 02-097, Transmittal Letter (TP:02:02431 UFC:2300.00) from T. Hedahl to D.S. Michls, dated November 11, 2002 (Transmittal of closure documentation package)
- Corrective Action Plan for Corrective Action Report (CAR): 02-096, Completed by Joe R. Franco, dated November ~~11~~, 2002. (Objective evidence of corrective action completion and closure verification by CCP)
psm 11-19-02 b
- Revised procedure: CCP Single Sample Manifold Headspace Gas Sampling and Analysis Methods and Equipment Calibration, CCP-TP-029, Rev. 10, dated October 18, 2002. (Objective evidence of required procedure changes)
- Email from Jeff VanMeighan to Joe Franco, subject: NTS CAR No. 02-096, dated November 06, 2002 and attached photographs showing installed permanent digital display box with a built-in voltmeter for recording PID measurements. (Objective Evidence of installation of new equipment)
- Photograph: HSG at NTS-PID Indicating tenths place
- Photograph: HSG at NTS-PID Indication tenths place (Reading in PPM, PID Display Unit #144301)
- Email from Mark Castagneri to Joe Franco, subject: WTS-CCP Corrective Action Plan Review and Concurrence #02-096 (Objective evidence of NucFil personnel review of the corrective actions, remedial actions, and recurrence control actions for the subject CAR)

Based on the above documentation, all corrective actions for the CAR are verified as complete and the CAR is recommended for closure.

Block # 19a

Verified By:

Dorothy Gill
Dorothy Gill

11/14/02
Date

Block # 19b Trend Cause Code: 4.2

(Error in equipment or material selection)

CBFO CORRECTIVE ACTION REPORT

(continuation sheet)

1. CAR No.: 02-097

2. Activity No.: A-02-15

3. Page 1 of 1

Block # 18 Verification of Corrective Action Completion:

The following documentation, showing evidence of completion of corrective actions, was evaluated to support closure of CBFO CAR 02-097 (identified during Audit A-02-15).

Remedial Actions:

- Review of software life-cycle documentation (re-classification of GENIE-PC package)
- Review of software quality assurance forms (revised forms to add data fields listing procedures and listing persons authorized for use)
- Inclusion of software quality assurance requirements in Canberra statement of work

Investigative Actions:

Extent:

- Reviewed other software packages including BN TRU_DS at NTS and the BNFL mobile assay package at SRS
- Reviewed other software packages with respect to blank fields on forms and corrected as identified
- Current negotiations with Canberra and draft statement of work includes software quality assurance requirements

Impact:

- Review indicated minimal impact with characterization data not affected by problems noted
- Verified software inventory list and added unique hardware identification designation where necessary

Root Cause Determination:

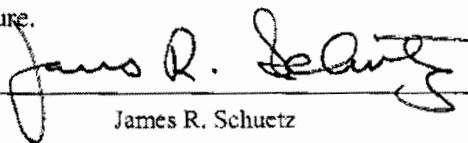
- Determined to be procedure inadequacy for problem related to resolution of comments identified concerning adequacy of life-cycle documentation
- Determined to be inattention to detail for problem related to blank fields on software evaluation forms
- Determined to be violation of procedure requirements related to insufficient details of software quality assurance requirements included in procurement documents

Actions to Preclude Recurrence:

- Revised procedure CCP-QP-022 to address resolution of comments generated during life-cycle document review
- Generated lessons learned paper and distributed to appropriate personnel
- Included software quality assurance requirements in new statement of work for negotiation of renewal of Canberra agreement

Based on the above documentation, all corrective actions for the CAR are verified as complete and the CAR is recommended for closure.

Block 19a Verified By:


James R. Schuetz

November 12, 2002

Date

Block 19b Trend Cause Code: 2.1 inadequate Procedure