

United States Government

Department of Energy

# memorandum

Carlsbad Field Office

Carlsbad, New Mexico 88221

DATE: January 23, 2001

REPLY TO  
ATTN OF: CBFO:QA:MLC:VW:01-0619:UFC:2300

SUBJECT: Corrective Action Verification for CAR 01-002

TO: Dale Ormond, DOE-SR



The Carlsbad Field Office (CBFO) has completed the verification of corrective actions for the subject Corrective Action Report (CAR). The corrective actions were found to be satisfactory and the CAR is now considered closed.

If you have any questions or require additional information concerning CAR closure, please contact me at (505) 234-7423.

*Lea Chism*  
For Samuel A. Vega  
Quality Assurance Manager

## Attachment

cc: w/attachment  
K. Watson, CBFO  
L. Chism, CBFO  
B. Crapse, DOE-SR  
M. Mason, SRS  
J. D'Amelio, SRS  
M. Eagle, EPA  
S. Monroe, EPA  
S. Zappe, NMED  
B. Walker, EEG  
D. Winter, DNFSB  
M. Gerle, WID (Operating Record)  
C. Riggs, CTAC  
J. Schuetz, CTAC

010124



# CBFO CORRECTIVE ACTION REPORT

(continuation sheet)

1. CAR No. 01-002

2. Activity Report No. CBFO A-01-04

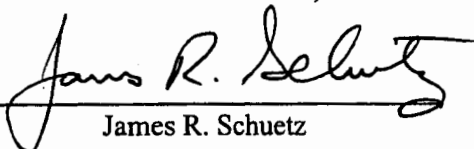
3. Page 1 of 1

Block: 18 Verification of Corrective Action Completion

Corrective actions for this CAR were evaluated and verified. The corrective actions and objective evidence reviewed and found to be satisfactory are as follows:

1. An unscheduled audit of the Solid Waste Division, Audit number 2000-AR-26-0003 was performed to determine if existing life cycle documents should have been reviewed/approved SRS SWQA. The audit scope, reference section 2.0 of the audit report, included evaluation of programs detailed in proposed corrective action for Item 1 of the CAR. The report and findings indicate a satisfactory audit. Review of the closed findings indicates that findings were processed properly and that appropriate corrective actions are complete. E-mail correspondence from the SRS QA Manager indicates that "The audit scope was a reflection of those programs which were determined to have a major impact on the WSRC results should they be found to be in error. In addition, a sample size of 20% was determined to be representative of the WSRC software program." and "The audit results were evaluated and it was determined that the impact of the associated findings would not effect performance criteria or data quality results achieved by those software programs which are to be audited in future WSRC FY00-01 audits." (reference satisfactory completion of corrective actions for Items 5 and 7 of the CAR)
2. Modifications to Attachment A, of the SRS WIPP Disposal Software QA Plan, were made to include additional SWQA reviews/approvals for software life cycle development. (reference satisfactory completion of corrective actions for Items 2, 6 and 7 of the CAR)
3. Modifications to the SRS WIPP Disposal Software QA Plan were made to reference SRS QAP-20-1, Software Quality Assurance Manual, setting classification of WIPP software to include life-cycle documentation and development. (reference satisfactory completion of corrective actions for Item 3 of the CAR)
4. The SRS Supplier Quality Assurance Program Requirements Data Sheet was reviewed to verify that SWQA complies with CBFO QAPD Section 2.3 including evaluation using NQA-2, Part 2.7 software requirements for purchasing software and equipment including software components. (reference satisfactory completion of corrective actions for Item 4 of the CAR)
5. The SRS FY00-01 WIPP Program Audit Schedule – Rev. 1 (12/5/0) was reviewed and found to include three scheduled "Control of Software" audits for the fiscal year. Software programs, not evaluated in Item 1 above, will be covered in the schedule for the remainder of the fiscal year with impact concerns addressed and minimized by selection of packages evaluated in Item 1. (reference satisfactory completion of corrective actions for Item 5 of the CAR)
6. The SRS SWD Self-Assessment Checklist (15) was reviewed to verify that lines of inquiry for software related audits and vendor evaluations are adequate. The SRS Quality Assurance Manager indicated that the checklist is used during scheduled audit activity and unsatisfactory results are entered, tracked and resolved using the Integrated Management Tracking (IMT) system. (reference satisfactory completion of corrective actions for Item 5 of the CAR)

Verifier

  
James R. Schuetz

Date: January 10, 2001

Block: 19b

Trend Cause Code: 2.1