

U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
OFFICE OF QUALITY ASSURANCE
ANNUAL SUMMARY OF
OCRWM AND OTHER AFFECTED ORGANIZATIONS'
QUALITY ASSURANCE PROGRAMS
FISCAL YEAR 1995

Approved by: 

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Date: 2/22/96

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Enclosure

**SUMMARY OF AUDITS AND SURVEILLANCES
PERFORMED BY THE OFFICE OF QUALITY ASSURANCE
DURING FISCAL YEAR 1995**

SECTION I

INTRODUCTION

The following provides an analysis of audits, surveillances, and reviews performed by the Office of Civilian Radioactive Waste Management (OCRWM), Office of Quality Assurance (OQA). This analysis is used to evaluate the overall effectiveness of the OCRWM quality program.

Audit bases include the OCRWM DOE/RW/0333P, *Quality Assurance Requirements and Description (QARD)* and the appropriate quality implementing procedures.

Audits were conducted in accordance with the OCRWM Quality Assurance Procedure (QAP) 18.2, *Audit Program*, and surveillances were conducted in accordance with QAP 2.8, *Surveillance Program*. The Quality Assurance (QA) Program, as described in the QARD and applicable implementing procedures, has been, for the most part, determined to be satisfactory.

This report provides an overall element-by-element summary of the QA Program status of OCRWM and other Affected Organizations (AO) (Chart 1). A narrative is included in Section II to provide additional insight into verification activities, program applicability, and implementation status. Individual organizations and verification results are also summarized in Section III. (See Tables 1 through 11)

SUMMARY OF QA PROGRAM EFFECTIVENESS

The OCRWM QA Program, as described in the QARD and the AOs' implementing procedures, has been determined to be satisfactory overall. While a total of three AO QA program elements were determined to be unsatisfactory for fiscal year (FY) 1995, the nature of the conditions identified did not warrant immediate corrective action or a stop work order being issued. OQA is committed to track the corrective action status and take appropriate action when required and the continued evaluation of the effectiveness of the AOs through the audit and surveillance process.

CHART 1 - ANALYSIS OF QA PROGRAM EFFECTIVENESS

Program Element	HQ	YMSCO	EM-323	LANL	LLNL	CRWMS M&O	REECo	SNL MGDS	SNL BCA	SAIC	USGS
1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.0	✓	✓	M	✓	✓	✓	✓	✓	✓	✓	✓
3.0		✓		✓		M		✓			✓
4.0	✓	✓		✓	✓	✓	✓	✓	✓	✓	M
5.0	✓	✓	✓	✓	✓	✓	✓	●	✓	✓	✓
6.0	✓	✓	✓	✓	✓	✓	✓	✓	M	✓	✓
7.0	✓	✓		✓	✓	M	✓	✓	●	✓	M
8.0							✓				✓
9.0							✓				
10.0							✓		✓	✓	
11.0		✓									
12.0				✓	✓	✓	✓	✓		✓	✓
13.0		✓			✓		✓				
14.0							✓				
15.0		✓		✓		✓	✓			✓	
16.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18.0	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Supp. I	✓			✓	✓	✓		✓	●		✓
Supp. II		✓		✓	✓	✓		✓			✓
Supp. III		✓		✓	✓	✓		M		✓	M
Supp. IV											
App. A	✓										
App. B	✓										
App. C						✓					

✓ = Satisfactory

M = Marginal

● = Unsatisfactory

Blank = No Implementation

Shaded = N/A to Work Scope

SECTION II - NARRATIVE DESCRIPTION

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM)

OCRWM Headquarters - The OCRWM QA Program implementation was determined to be satisfactory. One Corrective Action Request (CAR) was issued to OCRWM Headquarters (HQ) during FY 1995. CAR HQ-95-C013 is pending completion and verification of corrective action. OCRWM HQ has no responsibilities in the QARD for QA Program Elements 3.0, *Design Control*; 8.0, *Identification and Control of Items*; 9.0, *Control of Special Processes*; 10.0, *Inspection*; 11.0, *Test Control*; 12.0, *Control of Measuring and Test Equipment*; 13.0, *Handling, Storage and Shipping*; 14.0, *Inspection, Test and Operating Status*; 15.0, *Nonconformances*; Supplements II, *Sample Control*; III, *Scientific Investigation*; and IV, *Field Surveying*; and Appendix C, *Mined Geologic Disposal System*. Therefore, no verifications were performed in these areas. See Table 1 for a summary of the OCRWM HQ QA Program evaluations.

YUCCA MOUNTAIN SITE CHARACTERIZATION OFFICE (YMSCO)

YMSCO - The YMSCO QA Program implementation was determined to be satisfactory. Supplement I, *Software*; Supplement IV, and Appendix C were determined to be not implemented. A total of nine CARs were issued to YMSCO during FY 1995. Eight CARs have been closed and one CAR (YMQAD-95-C034) is pending completion and verification of corrective actions. Two Deficiency Reports (DR) were issued to YMSCO during FY 1995. One DR was closed and one DR (YMQAD-95-D003) is awaiting verification. YMSCO has no responsibilities in the QARD for QA Program Elements 8.0, 9.0, 10.0, 12.0, 14.0, and Appendices A, *High Level Radioactive Waste Form Production*; and B, *Transportation*; therefore, no verifications were performed in these areas. See Table 2 for a summary of the YMSCO QA Program evaluations.

OTHER AFFECTED ORGANIZATIONS

EM-323 - EM-323 QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 2.0, which was determined to be marginal, and Appendix A, which was determined not to be implemented. One DR (HQ-95-D001) was issued to EM-323 in FY 1995, and is pending response acceptance and verification of corrective actions. EM-323 has no responsibilities in the QARD for QA Program Elements 3.0, 4.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0, 15.0, Supplements I, *Software*, II, III, and IV, and Appendices B and C; therefore, no verifications were performed in these areas. See Table 3 for a summary of the EM-323 QA Program evaluations.

Los Alamos National Laboratory (LANL) - The LANL QA Program implementation was determined to be satisfactory. One CAR (YMQAD-95-C013) was issued to LANL during FY 1995, and is now closed. LANL has no responsibilities in the QARD for QA Program Elements 8.0, 9.0, 10.0, 11.0, 13.0, 14.0, Supplement IV, and Appendices A, B, and C; therefore, no verifications were performed in these areas. See Table 4 for a summary of the LANL QA Program evaluations.

Lawrence Livermore National Laboratory (LLNL) - The LLNL QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 15.0, which was determined to be not implemented. No CARs or DRs were issued to LLNL during FY 1995. LLNL has no responsibilities in the QARD for QA Program Elements 3.0, 8.0, 9.0, 10.0, 11.0, 14.0, Supplement IV, and Appendices A, B, and C; therefore, no verifications were performed in these areas. See Table 5 for a summary of the LLNL QA Program evaluations.

Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O) - The CRWMS M&O QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 7.0, which was determined to be marginal due to the failure of the CRWMS M&O to adequately qualify various subcontractors. QA Program Element 3.0 was determined to be marginal due to instances of failure to follow procedural requirements and lack of attention to detail. The CRWMS M&O has no responsibilities for QA Program Elements 8.0, 9.0, 10.0, 11.0, 13.0, 14.0, Supplement IV, and Appendices A and B; therefore, no verification was performed in these areas.

A total of 19 deficiency documents (Corrective Action Requests and Deficiency Reports) were issued either by Headquarters Quality Assurance Division (HQAD) (5), or the Yucca Mountain Quality Assurance Division (YMQAD) (14) to the CRWMS M&O as a result of eight audits, 18 surveillances, and six reviews during FY 1995. Ten deficiency documents have been closed, and nine are pending completion and verification of corrective actions. See Table 6 for a summary of the CRWMS M&O QA Program evaluations.

Reynolds Electrical & Engineering Co., Inc. (REECo) - The REECo QA Program implementation was determined to be satisfactory. A total of seven CARs were issued to REECo during FY 1995 and have been closed. REECo has no responsibilities in the QARD for QA Program Elements 3.0, 11.0, Supplements I, II, III, and IV, and Appendices A, B, and C; therefore, no verifications were performed in these areas. It should be noted that during FY 1995 Kiewit/Parsons Brinckerhoff was evaluated as part of the REECo organization. See Table 7 for a summary of the REECo QA Program evaluations.

Sandia National Laboratories (SNL) Mined Geologic Disposal System (MGDS) - The SNL QA Program implementation for MGDS was determined to be satisfactory except for implementation of QA Program Element 5.0, which was determined to be unsatisfactory due to the failure of SNL to follow procedural requirements. In addition, Supplement III was determined to be marginal due to SNL's failure to follow QARD and procedural requirements related to Scientific Investigation. A total of 13 deficiency documents (Corrective Action Requests and Deficiency Reports) were issued to SNL during FY 1995. All of these deficiency documents have been closed. SNL has no QARD responsibilities for QA Program Elements 8.0, 9.0, 10.0, 11.0, 13.0, 14.0, 15.0, Supplement IV, and Appendices A, B, and C; therefore, no verifications were performed in these areas. See Table 8 for a summary of the SNL QA Program evaluations.

SNL Burnup Credit Activities (BCA) - The SNL QA Program for BCA was determined to be marginal. Implementation of QA Program Element 7.0 was unsatisfactory due to the failure of SNL to follow procedures for acceptance of items and services. Implementation of Supplement I was determined to be unsatisfactory due to SNL not complying with requirements for documenting and making changes to acquired software. Implementation of QA Program Element 6.0 was determined to be marginal due to deficiencies regarding controlling procedure distribution lists and identifying controlled forms. A total of six CARs were issued to SNL by HQAD. One of these CARs has been closed and five are awaiting verification of corrective action. SNL has no QARD responsibilities for QA Program Elements 3.0, 8.0, 9.0, 11.0, 13.0, 14.0, 15.0, Supplements II and IV, and Appendices A, B, and C; therefore, no verifications were performed in these areas. In addition, Program Elements 12.0, 18.0, and Supplement III were determined not to be implemented by SNL. All other program elements were determined to be satisfactorily implemented. See Table 9 for a summary of the SNL Burnup Credit Activities QA Program evaluation.

Science Applications International Corporation (SAIC) - The SAIC QA Program implementation was determined to be satisfactory except for QARD Appendix C, which was determined to be not implemented. No CARs or DRs were issued during FY 1995. SAIC had no responsibilities in the QARD for QA Program Elements 3.0, 8.0, 9.0, 11.0, 13.0, 14.0, Supplements I, II, and IV, and Appendices A and B; therefore, no verifications were performed in these areas. See Table 10 for a summary of SAIC QA Program evaluations.

U.S. Geological Survey (USGS) - The USGS QA Program implementation was determined to be satisfactory except for the implementation of Program Elements 4.0, 7.0, and Supplement III, which were determined to be marginal due to noncompliance with QARD and procedural requirements. A total of 9 CARs were issued to USGS during FY 1995. Six CARs have been closed, and three CARs are pending completion and verification of corrective actions. In addition, a total of three DRs were issued to USGS during FY 1995. All three of these DRs are open pending completion and verification of corrective action. USGS has no responsibilities in the QARD for QA Program Elements 9.0, 10.0, 11.0, 13.0, 14.0, 15.0, Supplement IV, and Appendices A, B, and C; therefore, no verifications were performed in these areas. See Table 11 for a summary of the USGS QA Program evaluations.

SECTION III**OCRWM
QUALITY PROGRAM
EVALUATION**

<u>Affected Organizations</u>	<u>Table</u>
OCRWM Headquarters	1
OCRWM YMSCO	2
EM-323	3
LANL	4
LLNL	5
CRWMS M&O	6
REECo	7
SNL MGDS	8
SNL BCA	9
SAIC	10
USGS	11

**EVALUATION OF OCRWM HEADQUARTERS' QA PROGRAM
BASED ON FY 95 AUDIT AND SURVEILLANCE REPORTS**

TABLE 1

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YM-ARC-95-15		S	
2.0	YM-ARC-95-15 HQ-SRC-95-03	HQ-95-C013	S	
3.0	N/A		N/A	
4.0	YM-ARC-95-15		S	
5.0	YM-ARC-95-15		S	
6.0	YM-ARC-95-15		S	
7.0	YM-ARC-95-15		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	N/A		N/A	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	YM-ARC-95-15		S	
17.0	YM-ARC-95-15		S	
18.0	YM-ARC-95-15		S	
Supp. I	YM-ARC-95-15		S	
Supp. II	N/A		N/A	
Supp. III	N/A		N/A	
Supp. IV	N/A		N/A	
App. A	YM-ARC-95-15		S	
App. B	YM-ARC-95-15		S	
App. C	N/A		N/A	

Status: S = Satisfactory
N/A = Not Applicable Per Scope of Work

Verification and Dates: YM-ARC-95-15, 7/10-14/95
HQ-SRC-95-03, 6/14-19/95

**EVALUATION OF OCRWM YMSCO'S QA PROGRAM
BASED ON FY 95 AUDIT AND SURVEILLANCE
REPORTS AND REVIEWS
TABLE 2**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	HQ-ARC-95-09 YM-SR-95-054	YMQAD-95-C026	S	YMQAD-95-C026 CLOSED 11-15-95
2.0	HQ-ARC-95-09 YM-SR-95-028	YMQAD-95-D003	S	
3.0	HQ-ARC-95-09		S	
4.0	YM-ARP-95-13 HQ-ARC-95-09	CAR YM-95-048	S	CAR YM-95-048 CLOSED 10/10/95
5.0	HQ-ARC-95-09 YM-SR-95-034 YM-SR-95-037	YMQAD-95-C006 YMQAD-95-C025	S	YMQAD-95-C006 CLOSED 12-21-94 YMQAD-95-C025 CLOSED 3-21-95
6.0	HQ-ARC-95-09		S	
7.0	YM-ARP-95-13 HQ-ARC-95-09		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	HQ-ARC-95-09		S	
12.0	N/A		N/A	
13.0	HQ-ARC-95-09		S	
14.0	N/A		N/A	
15.0	HQ-ARC-95-09		S	
16.0	HQ-ARC-95-09		S	
17.0	HQ-ARC-95-09 YM-SR-95-002	YMQAD-95-C034 YMQAD-95-C035 YMQAD-95-C036 YMQAD-95-C037	S	YMQAD-95-035 CLOSED 9-25-95 YMQAD-95-036 CLOSED 12-6-95 YMQAD-95-037 CLOSED 5-18-95

18.0	HQ-ARC-95-09		S	
Supp. I	HQ-ARC-95-09		NI	
Supp. II	HQ-ARC-95-09		S	
Supp. III	HQ-ARC-95-09	YMQAD-95-C032 YMQAD-95-C036 YMQAD-95-D001	S	YMQAD-95-C032 CLOSED 5-9-95 YMQAD-95-C036 CLOSED 12-6-95 YMQAD-95-D001 CLOSED 10-17-95
Supp. IV	HQ-ARC-95-09		NI	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	HQ-ARC-95-09		NI	

Status: S = Satisfactory
N/A = Not Applicable Per Scope of Work
NI = No Implementation

Verification and Dates:

Audits

YM-ARP-95-13, 6/19-23/95
HQ-ARC-95-09, 7/24-28/95

Review Dates

11-1-94
3-17-95
3-29-95
4-13-95
4-19-95
7-7-95
7-20-95

Surveillances

YMP-SR-95-002, 1/26 - 2/1/95
*YMP-SR-95-006, 10/31-11/16/94
*YMP-SR-95-015, 12/19/94 - 1/18/95
YMP-SR-95-028, 3/3 - 9/95
YMP-SR-95-034, 5/23-31/95
YMP-SR-95-037, 6/29-7/28/95
YMP-SR-95-054, 9/11-15/95

*Surveillance performed on other Affected Organizations resulting in issuance of deficiency documents to YMSCO.

**EVALUATION OF EM-323'S QA PROGRAM
BASED ON FY 95 AUDIT AND SURVEILLANCE REPORTS
TABLE 3**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	HQ-ARC-95-08		S	
2.0	HQ-ARC-95-08	HQ-95-D001	M	
3.0	N/A		N/A	
4.0	N/A		N/A	
5.0	HQ-ARC-95-08		S	
6.0	HQ-ARC-95-08		S	
7.0	N/A		N/A	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	N/A		N/A	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	HQ-ARP-95-02A HQ-ARC-95-08		S	
17.0	HQ-ARC-95-08		S	
18.0	HQ-ARC-95-08		S	
Supp. I	N/A		N/A	
Supp. II	N/A		N/A	
Supp. III	N/A		N/A	
Supp. IV	N/A		N/A	
App. A	HQ-ARC-95-08		NI	
App. B	N/A		N/A	
App. C	N/A		N/A	

(See Following Page for Status, Verification, and Dates)

Status: S = Satisfactory
M = Marginal
N/A = Not Applicable Per Scope of Work
NI = No Implementation

Verification and Dates: HQ-ARC-95-08, 6/26-30/95
HQ-ARP-95-02A, 11/14-16/94

**EVALUATION OF LOS ALAMOS NATIONAL LABORATORY'S (LANL)
QA PROGRAM BASED ON FY 95 AUDIT
AND SURVEILLANCE REPORTS**

TABLE 4

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YM-ARP-95-06 YM-ARC-95-11 YMP-SR-95-006	YMQAD-95-C013	S	YMQAD-95-C013 CLOSED 1-30-95
2.0	YM-ARP-95-06 YM-ARC-95-11		S	
3.0	YM-ARP-95-06 YM-ARC-95-11		S	
4.0	YM-ARP-95-06 YM-ARC-95-11		S	
5.0	YM-ARP-95-06 YM-ARC-95-11		S	
6.0	YM-ARP-95-06 YM-ARC-95-11 YM-SR-95-006	YMQAD-95-C013	S	YMQAD-95-C013 CLOSED 1-30-95
7.0	YM-ARP-95-06 YM-ARC-95-11		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	YM-ARP-95-06 YM-ARC-95-11		S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	YM-ARP-95-06 YM-ARC-95-11		S	
16.0	YM-ARP-95-06 YM-ARC-95-11		S	
17.0	YM-ARP-95-06 YM-ARC-95-11		S	

18.0	YM-ARP-95-06 YM-ARC-95-11		S	
Supp. I	YM-ARP-95-06 YM-ARC-95-11		S	
Supp. II	YM-ARP-95-06 YM-ARC-95-11		S	
Supp. III	YM-ARP-95-06 YM-ARC-95-11		S	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	N/A		N/A	

Status: S = Satisfactory
N/A = Not Applicable Per Scope of Work

Verification and Dates: YM-ARP-95-06, 1/9-13/95
YM-ARC-95-11, 5/8-2/95
YM-SR-95-006, 10/31-11/16/95

**EVALUATION OF LAWRENCE LIVERMORE NATIONAL
LABORATORY'S (LLNL) QA PROGRAM BASED ON FY 95 AUDIT
AND SURVEILLANCE REPORTS**

TABLE 5

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YM-ARC-95-07		S	
2.0	YM-ARC-95-07 YM-SR-95-044		S	
3.0	N/A		N/A	
4.0	YM-ARC-95-07		S	
5.0	YM-ARC-95-07		S	
6.0	YM-ARC-95-07		S	
7.0	YM-ARC-95-07		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	YM-ARC-95-07		S	
13.0	YM-ARC-95-07		S	
14.0	N/A		N/A	
15.0	YM-ARC-95-07		NI	
16.0	YM-ARC-95-07		S	
17.0	YM-ARC-95-07		S	
18.0	YM-ARC-95-07		S	
Supp. I	YM-ARC-95-07		S	
Supp. II	YM-ARC-95-07		S	
Supp. III	YM-ARC-95-07		S	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	

App. C	N/A		N/A	
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Status: S = Satisfactory
N/A = Not Applicable Per Scope of Work
NI = No Implementation

Verification and Dates: YM-ARC-95-07, 3/6-10/95
YM-SR-95-044, 9/26-10/4/95

**EVALUATION OF THE CRWMS M&O'S QA PROGRAM
BASED ON FY 95 AUDITS AND SURVEILLANCE
REPORTS AND REVIEWS**

TABLE 6

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	HQ-ARC-95-04 YM-SR-95-045 YM-SR-95-046		S	
2.0	HQ-ARC-95-04 HQ-ARP-95-01 YM-ARP-95-16 YM-SR-95-018 YM-SR-95-036 YM-SR-95-043 YM-SR-95-054	YMQAD-95-D004 YMQAD-95-C043 YMQAD-95-D007	S	YMQAD-95-D004 CLOSED 12-9-95
3.0	HQ-ARC-95-04 HQ-ARP-95-03 HQ-SRP-95-01 YM-ARP-95-16 YM-ARP-95-19 YM-SR-95-005 YM-SR-95-012 YM-SR-95-015 YM-SR-95-021 YM-SR-95-030 YM-SR-95-037 YM-SR-95-039	CAR HQ-95-005 CAR YM-95-033 YMQAD-95-D005 YMQAD-95-D006 YMQAD-95-D008 YMQAD-95-D013 YMQAD-95-C039 YMQAD-95-C043	M	YMQAD-95-D008 CLOSED 12-7-95 YMQAD-95-D013 CLOSED 10-23-95 YMQAD-95-C039 CLOSED 7-13-95 YMQAD-95-C043 CLOSED 11-15-95
4.0	HQ-ARP-95-01 HQ-SRP-95-01		S	
5.0	HQ-ARP-95-01 YM-ARP-95-02 YM-SR-95-012 YM-SR-95-026	CAR HQ-95-002 CAR YM-95-023	S	CAR HQ-95-002 CLOSED 1-17-95 CAR YM-95-023 CLOSED 4-4-95
6.0	HQ-ARP-95-03 HQ-SRP-95-01 YM-SR-95-012 YM-SR-95-015	CAR HQ-95-004	S	CAR HQ-95-004 CLOSED 1-26-95
7.0	HQ-ARP-95-03 HQ-SRP-95-02	CAR HQ-95-012	M	
8.0	N/A		N/A	

9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	HQ-ARC-95-04 YMP-SR-95-040		S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	YM-ARP-95-02		S	
16.0	HQ-ARC-95-04 HQ-ARP-95-02 YM-ARP-95-02 YM-SR-95-013 YM-SR-95-030	CAR HQ-95-003	S	CAR HQ-95-003 CLOSED 7-7-95
17.0	HQ-ARC-95-04 YM-ARP-95-02 YM-ARP-95-026	CAR YM-95-028	S	CAR YM-95-028 CLOSED 8-17-95
18.0	HQ-ARC-95-04		S	
Supp. I	HQ-ARC-95-04		S	
Supp. II	YM-SR-95-040		S	
Supp. III	HQ-ARC-95-04 YM-ARP-95-15 YM-SR-95-031	YMQAD-95-C050 YMQAD-95-D011	S	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	HQ-ARC-95-04		S	

Status: S = Satisfactory
M = Marginal
U = Unsatisfactory
N/A = Not Applicable Per Scope of Work

(See Following Page for Verification and Dates)

Audits

HQ-ARC-95-04, 2/7-10/95, 2/21-24/95
HQ-ARP-95-01, 10/10-14/94
HQ-ARP-95-03, 12/5-9/94
YM-ARP-95-16, 7/24-28/95
YM-ARP-95-02, 1/9-13/95
HQ-ARP-95-02, 11/15-18/95
YM-ARP-95-19 (CRWMS M&O/SNL), 8/21-25/95
YM-ARP-95-15, 7/10-14/95

Review Dates

5/12/95
5/22/95
7/18/95
8/4/95
8/9/95
8/11/95

Surveillances

YM-SR-95-005, 10/6-11/29/94
YM-SR-95-012, 11/2-12/19/94
YM-SR-95-013, 12/5-23/94
YM-SR-95-015, 12/19/94-1/18/95
YM-SR-95-018, 2/6-16/95
YM-SR-95-021, 2/14-6/9/95
YM-SR-95-026, 3/21-4/12/95
YM-SR-95-030, 4/25-5/17/95
YM-SR-95-031, 5/15-19/95
YM-SR-95-036, 6/12-15/95
YM-SR-95-037, 6/26-7/28/95
YM-SR-95-039, 6/21-7/11/95
YM-SR-95-040, 8/7-18/95
YM-SR-95-043, 7/27-8/11/95
YM-SR-95-046, 8/14-25/95
YM-SR-95-054, 9/11-15/95
HQ-SRP-95-01, 4/17-20/95
HQ-SRP-95-02, 6/19-20/95

**EVALUATION OF REYNOLDS ELECTRICAL & ENGINEERING CO.,
INC.'S (REECo) QA PROGRAM BASED ON FY 95 AUDIT AND
SURVEILLANCE REPORTS**

TABLE 7

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YM-ARP-95-01 YM-ARP-95-10		S	
2.0	YM-ARP-95-01 YM-ARP-95-10 YM-SR-95-009 YM-SR-95-020 YM-SR-95-025 YM-SR-95-030	YMQAD-95-C031 YMQAD-95-C038	S	YMQAD-95-C031 CLOSED 8-7-95 YMQAD-95-C038 CLOSED 10-3-95
3.0	N/A		N/A	
4.0	YM-SR-95-11	YMQAD-95-C008 YMQAD-95-C010	S	YMQAD-95-C008 CLOSED 1-12-95 YMQAD-95-C010 CLOSED 3-28-95
5.0	YM-SR-95-038 YM-SR-95-039		S	
6.0	YM-SR-95-038		S	
7.0	YM-SR-95-011	YMQAD-95-C008 YMQAD-95-C010	S	YMQAD-95-C008 CLOSED 1-12-95 YMQAD-95-C010 CLOSED 3-28-95
8.0	YM-ARP-95-01 YM-SR-95-025 YM-SR-95-032		S	
9.0	YM-SR-95-011	YMQAD-95-C009	S	YMQAD-95-C-009 CLOSED 2-23-95
10.0	YM-ARP-95-01 YM-SR-95-011 YM-SR-95-020 YM-SR-95-049 YM-SR-95-050	YMQAD-95-C-009 YMQAD-95-C-030	S	YMQAD-95-C-009 CLOSED 2-23-95 YMQAD-95-C-030 CLOSED 6-30-95
11.0	N/A		N/A	
12.0	YM-SR-95-020 YM-SR-95-052		S	

13.0	YM-SR-95-032 YM-SR-95-009		S	
14.0	YM-SR-95-050		S	
15.0	YM-ARP-95-10 YM-SR-95-007		S	
16.0	YM-ARP-95-01 YM-ARP-95-10 YM-SR-95-029 YM-SR-95-032 YM-SR-95-053	YMQAD-95-C-040	S	YMQAD-95-C-040 CLOSED 8-7-95
17.0	YM-ARP-95-01 YM-SR-95-017 YM-SR-95-029 YM-SR-95-032 YM-SR-95-053		S	
18.0	YM-ARP-95-10		S	
Supp. I	N/A		N/A	
Supp. II	N/A		N/A	
Supp. III	N/A		N/A	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	N/A		N/A	

Status: S = Satisfactory
N/A = Not Applicable Per Scope of Work

Verification and Dates: YM-ARP-95-01, 10/24-28/94
YM-ARP-95-10, 6/5-9/95
YM-SR-95-007, 2/1-3/95
YM-SR-95-009, 11/1-9/94
YM-SR-95-011, 10/26-11/3/94
YM-SR-95-017, 1/12-2/26/95
YM-SR-95-020, 2/13-3/31/95
YM-SR-95-025, 3/31-4/10/95
YM-SR-95-029, 5/10-11/95
YM-SR-95-032, 6/1-9/95
YM-SR-95-038, 7/18-21/95
YM-SR-95-039, 6/21-7/11/95
YM-SR-95-049, 8/14-18/95
YM-SR-95-050, 8/28-9/15/95
YM-SR-95-052, 8/30-9/6/95
YM-SR-95-053, 9/6-19/95

**EVALUATION OF SANDIA NATIONAL LABORATORIES' (SNL) QA
PROGRAM FOR MINED GEOLOGIC DISPOSAL SYSTEM BASED ON
FY 95 AUDIT AND SURVEILLANCE REPORTS**

TABLE 8

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YMP-ARP-95-03 YM-ARP-95-19 YM-SR-95-046	CAR YM-95-014	S	CAR YM-95-014 CLOSED 12-14-95
2.0	YMP-ARP-95-03 YM-ARP-95-19 YM-SR-95-003	CAR YM-95-004	S	CAR YM-95-004 CLOSED 2-7-95
3.0	YM-ARP-95-19		S	
4.0	YMP-ARP-95-03 YM-SR-95-035		S	
5.0	YMP-ARP-95-03 YM-ARP-95-19	CAR YM-95-015 CAR YM-95-016 CAR YM-95-017 YMQAD-95-D002 YMQAD-95-D010	U	CAR YM-95-015 CLOSED 8-11-95 CAR YM-95-016 CLOSED 11-7-95 CAR YM-95-017 CLOSED 11-2-95 YMQAD-95-D002 CLOSED 11-13-95 YMQAD-95-D010 CLOSED 1-10-96
6.0	YMP-ARP-95-03 YM-ARP-95-19	CAR YM-95-018	S	CAR YM-95-018 CLOSED 6-6-95
7.0	YM-SR-95-035	CAR YM-95-049	S	CAR YM-95-049 CLOSED 12-6-95
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	YM-SR-95-004		S	
13.0	N/A		N/A	
14.0	N/A		N/A	

15.0	N/A		N/A	
16.0	YMP-ARP-95-03 YM-SR-95-003 YM-SR-95-024	CAR YM-95-005	S	CAR YM-95-005 CLOSED 2-2-95
17.0	YMP-ARP-95-03		S	
18.0	YMP-ARP-95-03		S	
Supp. I	YMP-ARP-95-03 YM-ARP-95-19		S	
Supp. II	YMP-ARP-95-03 YMP-ARP-95-19		S	
Supp. III	YMP-ARP-95-03 YM-ARP-95-19 YM-SR-95-022 YM-SR-95-035	CAR YM-95-014 CAR YM-95-015 CAR YM-95-016 CAR YM-95-017 CAR YM-95-018 CAR YM-95-019 YMQAD-95-D012	M	CAR YM-95-014 CLOSED 12-14-95 CAR YM-95-015 CLOSED 8-11-95 CAR YM-95-016 CLOSED 11-7-95 CAR YM-95-017 CLOSED 11-2-95 CAR YM-95-018 CLOSED 6-6-95 CAR YM-95-019 CLOSED 5-25-95 YMQAD-95-D012 CLOSED 12-14-95
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	N/A		N/A	

Status: S = Satisfactory
M = Marginal
U = Unsatisfactory
N/A = Not Applicable Per Scope of Work

Verification and Dates: YMP-ARP-95-03, 11/14-30/94
YM-ARP-95-19, 8/21-25/95
YM-SR-95-003, 10/19-20/94
YM-SR-95-004, 10/12-19/94
YM-SR-95-022, 3/6/95
YM-SR-95-024, 4/11-13/95
YM-SR-95-035, 5/31-7/14/95
YM-SR-95-046, 8/14-25/95

**EVALUATION OF SANDIA NATIONAL LABORATORIES' (SNL)
QA PROGRAM FOR BURNUP CREDIT ACTIVITIES
BASED ON FY 95 AUDIT REPORTS
TABLE 9**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	HQ-ARC-95-11		S	
2.0	HQ-ARC-95-11		S	
3.0	N/A		N/A	
4.0	HQ-ARC-95-11		S	
5.0	HQ-ARC-95-11	CAR HQ-95-009	S	
6.0	HQ-ARC-95-11	CAR HQ-95-008 CAR HQ-95-011	M	
7.0	HQ-ARC-95-11	CAR HQ-95-007	U	CAR HQ-95-007 CLOSED 9-13-95
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		S	
11.0	N/A		N/A	
12.0	HQ-ARC-95-11		NI	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	HQ-ARC-95-11		S	
17.0	HQ-ARC-95-11	HQ-95-C010	S	
18.0	HQ-ARC-95-11		NI	
Supp. I	HQ-ARC-95-11	CAR HQ-95-006	U	
Supp. II	N/A		N/A	
Supp. III	HQ-ARC-95-11		NI	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	

App. B	N/A		N/A	
App. C	N/A		N/A	

Status: S = Satisfactory

M = Marginal

U = Unsatisfactory

N/A = Not Applicable Per Scope of Work

NI=No Implementation

Verification and Dates: HQ-ARC-95-11,5/15-18/95

**EVALUATION OF SCIENCE APPLICATIONS INTERNATIONAL
CORPORATION'S (SAIC) QA PROGRAM BASED ON FY 95
AUDIT AND SURVEILLANCE REPORTS
TABLE 10**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YM-SR-95-045		S	
2.0	YM-ARP-95-05 YM-SR-95-016 YM-SR-95-018		S	
3.0	N/A		N/A	
4.0	YM-ARP-95-05 YM-SR-95-016		S	
5.0	YM-ARP-95-05 YM-SR-95-017		S	
6.0	YM-ARP-95-05		S	
7.0	YM-ARP-95-05 YM-SR-95-016		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	YM-ARP-95-05		S	
11.0	N/A		N/A	
12.0	YM-ARP-95-05		S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	YM-ARP-95-05		S	
16.0	YM-ARP-95-05		S	
17.0	YM-ARP-95-05 YM-SR-95-017		S	
18.0	YM-ARP-95-05		S	
Supp. I	N/A		N/A	
Supp. II	N/A		N/A	
Supp. III	YM-ARP-95-05		S	

Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	YM-ARP-95-05		NI	

Status: S = Satisfactory
N/A = Not Applicable Per Scope of Work
NI = No Implementation

Verification and Dates: YM-ARP-95-05, 12/12-16/94
YM-SR-95-016, 1/4-11/95
YM-SR-95-017, 1/12-2/26/95
YM-SR-95-018, 2/6-16/95
YM-SR-95-045, 8/7-11/95

**EVALUATION OF U.S. GEOLOGICAL SURVEY'S (USGS) QA
PROGRAM BASED ON FY 95 AUDIT AND SURVEILLANCE REPORTS
TABLE 11**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/DRs Issued	Current Status	Remarks
1.0	YM-ARP-95-20		S	
2.0	YM-ARP-95-09 YM-ARP-95-20	YMQAD-95-C-016 YMQAD-95-D-016 YMQAD-95-D-017 YMQAD-95-D-018	S	
3.0	YM-SR-95-001		S	
4.0	YM-ARP-95-04 YM-ARP-95-09	YMQAD-95-C-020 YMQAD-95-C-041	M	YMQAD-95-C-020 CLOSED 4-19-95 YMQAD-95-C-041 CLOSED 10-24-95
5.0	YM-ARP-95-20		S	
6.0	YM-ARP-95-20		S	
7.0	YM-ARP-95-04 YM-ARP-95-09	YMQAD-95-C-020 YMQAD-95-C-041	M	YMQAD-95-C-020 CLOSED 4-19-95 YMQAD-95-C-041 CLOSED 10-24-95
8.0	YM-ARP-95-20		S	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	YM-ARP-95-04 YM-ARP-95-20 YM-SR-95-010	YMQAD-95-C-021	S	YMQAD-95-C-021 CLOSED 9-25-95
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	YM-ARP-95-09 YM-ARP-95-20 YM-SR-95-023 YM-SR-95-051	YMQAD-95-C-042	S	YMQAD-95-C-042 CLOSED 9-26-95

17.0	YM-ARP-95-20 YM-SR-95-001		S	
18.0	YM-ARP-95-20 YM-ARP-95-09		S	
Supp. I	YM-SR-95-001 YM-SR-95-023		S	
Supp. II	YM-ARP-95-20 YM-SR-95-023 YM-SR-95-027		S	
Supp. III	YM-ARP-95-12 YM-ARP-95-20 YM-SR-95-001 YM-SR-95-010 YM-SR-95-023 YM-SR-95-033	YMQAD-95-C-045 YMQAD-95-C-046 YMQAD-95-C-047 YMQAD-95-C-022	M	YMQAD-95-C-047 CLOSED 11-2-95 YMQAD-95-C-022 CLOSED 4-24-95
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	N/A		N/A	

Status: S = Satisfactory
M = Marginal
N/A = Not Applicable Per Scope of Work

Verification and Dates: YM-ARP-95-04, 12/6-10/94
YM-ARP-95-09, 5/8-12/95
YM-ARP-95-12, 6/8-16/95
YM-ARP-95-20, 9/6-14/95
YM-SR-95-001, 10/18/94
YM-SR-95-010, 12/12-14/94
YM-SR-95-023, 4/13-14/95
YM-SR-95-027, 4/18-5/31/95
YM-SR-95-033, 6/22/95
YM-SR-95-051, 9/7/95