

**U.S. DEPARTMENT OF ENERGY**  
**OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**  
**OFFICE OF QUALITY ASSURANCE**  
**ANNUAL EVALUATION OF**  
**OCRWM AND OTHER AFFECTED ORGANIZATIONS**  
**QUALITY ASSURANCE PROGRAMS**  
**FY-1994**

Approved by: \_\_\_\_\_



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**Director**  
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Date: 1/5/95

**SUMMARY OF AUDITS AND SURVEILLANCES  
PERFORMED BY THE OFFICE OF QUALITY ASSURANCE  
DURING FISCAL YEAR 1994**

**SECTION I**

**INTRODUCTION**

The following provides an analysis of audits, surveillances, and observer reports prepared 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 (AOs) (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, except for the Management and Operating (M&O) contractor's QA Program procedures not being effectively implemented as evidenced by the determination that of the fifteen QA program elements that the M&O shares responsibility in, one QA Program Element 3.0, Design Control, was determined to be unsatisfactory and six QA program elements were determined to be marginal.

On August 20, 1993 the U.S. Nuclear Regulatory Commission (NRC) issued a letter to express their concern regarding the Design Control issues; e.g., M&O control of ESF design not effectively implemented, U.S. Department of Energy (DOE) and M&O ability to correct identified problems, and confidence in DOE's oversight of the M&O's QA Program has been eroded. These concerns resulted in several meetings between the DOE's OCRWM, M&O, and the NRC. DOE responded to the NRC letter on November 14, 1994 and made the following major commitments:

- M&O withdrew Design Package 2C from DOE review and took action to correct deficiencies identified by the CARs.
- M&O added extra reviews to the design process to make certain Design Package 2C was correct.
- The M&O is implementing the Management Plan for Resolving QA Issues Resulting from M&O and DOE Audits/Surveillances.
- DOE performed a review of the M&O Management Plan and recommended improvements.
- M&O is reorganizing their operations and design organizations to create a Design Checking function and a Product Integrity function.
- DOE and the M&O have each formed a team to overview the corrective action activities.
- DOE line management has taken responsibility for assuring timely and effective corrective action.

While several AOs QA program elements were determined to be unsatisfactory, 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-343	LANL	LLNL	M&O	RSN	REECo	SNL	SAIC	USGS
1.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.0	✓	✓	●	✓	✓	M	✓	✓	M	✓	✓
3.0	Shaded	✓	Shaded	Shaded	Shaded	●	✓	Shaded	M	Shaded	✓
4.0	✓	M	✓		✓	M	✓		✓	✓	●
5.0	✓	✓	M	✓	✓	M	✓	✓	M	✓	✓
6.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.0	✓				✓	✓	✓		✓	✓	●
8.0	Shaded	✓	Shaded	Shaded	✓						
9.0	Shaded		Shaded	Shaded	Shaded						
10.0	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	✓	✓	Shaded	✓	Shaded
11.0	Shaded	✓	Shaded	Shaded	Shaded	Shaded	✓	Shaded	Shaded	Shaded	Shaded
12.0	Shaded	Shaded	Shaded	✓	✓	✓	✓	✓	✓	✓	✓
13.0	Shaded	Shaded	Shaded	Shaded	✓	Shaded	Shaded	✓	Shaded	Shaded	Shaded
14.0	Shaded	Shaded	Shaded	Shaded	Shaded	Shaded	✓	✓	Shaded	Shaded	Shaded
15.0	Shaded	✓	Shaded			✓	✓	✓	Shaded	✓	Shaded
16.0	✓	✓	●	✓	✓	M	✓	✓	✓	✓	●
17.0	✓	✓	✓	✓	✓	M	✓	✓	✓	✓	✓
18.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Supp. I	●		Shaded	✓	✓	M	✓	Shaded		Shaded	✓
Supp. II	Shaded	✓	Shaded	✓	✓	Shaded	✓	Shaded	✓	Shaded	✓
Supp. III	Shaded	✓	Shaded	✓	✓		Shaded	Shaded	M	✓	✓
Supp. IV	Shaded		Shaded	Shaded	Shaded	Shaded	✓	Shaded	Shaded	Shaded	Shaded
App. A	✓	Shaded	✓	Shaded							
App. B	✓	Shaded									
App. C	Shaded		Shaded	Shaded	Shaded		Shaded	Shaded	Shaded		Shaded

✓ = Satisfactory

M = Marginal

● = Unsatisfactory

Blank = No Implementation

Shaded = N/A to Workscope

## **SECTION II - NARRATIVE DESCRIPTION**

### **OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM)**

**OCRWM Headquarters** - The OCRWM QA Program implementation was determined to be satisfactory except for QA Program Supplement I which was determined to be unsatisfactory, since significant Corrective Action Requests (CAR) from the last audit remain open in the area of computer software. A total of one CAR was issued to OCRWM Headquarters (HQ) during Fiscal Year (FY) 1994. CAR YM-94-060 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 PROJECT OFFICE (YMSCO)**

The YMSCO QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 4.0, Procurement Document Control which was determined to be marginal, since the corrective action required from the last audit has not been completely closed. QA Program Element 7.0, Control of Purchased Items and Services; Supplement I, Software; IV, and Appendix C were determined to be not implemented. A total of ten CARs were issued to YMSCO during FY 1994. Four CARs have been closed and six CARs (YM-94-033, YM-94-036, YM-94-037, YM-94-038, YM-95-001, and YM-95-002) are pending completion and verification of corrective actions. YMSCO has no responsibilities in the QARD for QA Program Elements 8.0, 9.0, 10.0, 12.0, 13.0, 14.0, and Appendices B, Transportation and C; therefore, no verifications were performed in these areas. See Table 2 for a summary of the YMSCO QA Program evaluations.

### **OTHER AFFECTED ORGANIZATIONS**

**EM-343** - EM-343 QA Program implementation was determined to be satisfactory except for implementation of QA Program Elements 2.0, QA Program and 16.0, Corrective Action which were determined to be unsatisfactory. Because of the number of deficiencies identified for failure to follow the procedures and the procedures being inadequate, QA Program Element 5.0, Implementing Documents was determined to be unsatisfactory. QA Program Element 7.0, Control of Purchased Items and Services was determined to have no implementation. A total of four CARs (HQ-94-021, HQ-94-022, HQ-94-023, and HQ-94-024) were issued to EM-343 in FY 1994, and are pending completion and verification of corrective actions. EM-343 has no responsibilities in the QARD for QA Program Elements 8.0, 9.0, 10.0, 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-343 QA Program evaluations.

**Los Alamos National Laboratory (LANL)** - The LANL QA Program implementation was determined to be satisfactory except for implementation of QA Program Elements 4.0, 7.0, and 15.0 which were determined to be not implemented. A total of six CARs (YM-94-078, YM-94-079, YM-94-080, YM-94-081, YM-94-082, and YM-94-083) were issued to LANL during FY 1994, and are pending completion and verification of corrective actions. LANL has no responsibilities in the QARD for QA Program Elements 3.0, 8.0, 9.0, 10.0, 11.0, 13.0, 14.0, Supplement IV, and Appendices A, High Level Radioactive Waste Form Production, 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. A total of two CARs was issued to LLNL during FY 1994. One CAR was closed and one CAR (YM-94-084) is pending completion and verification of corrective action. LLNL has no responsibilities in the QARD for QA Program Elements 3.0, 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.

**M&O** - The M&O QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 3.0 which was determined to be unsatisfactory due to the failure of the M&O to follow the procedure requirements, inadequate or no procedures, and inattention to detail. QA Program Elements 2.0, 4.0, 5.0, 16.0, 17.0, QA Records, and Supplement I were determined to be marginal due to instances of failure to follow procedure requirements, inadequate procedures and inattention to detail. Supplement III and Appendix C were determined to be not implemented. The M&O has no responsibilities for QA Program Elements 8.0, 9.0, 10.0, 11.0, 13.0, 14.0, Supplements II and IV and Appendices A and B; therefore, no verification was performed in these areas.

A total of 48 CARs were issued either by OQA HQ (17 CARs) or the Yucca Mountain Quality Assurance Division (YMQAD) (31 CARs) to the M&O as a result of two audits and 28 surveillances during FY 1994. Sixteen CARs have been closed and 32 are pending completion and verification of corrective actions. The primary reason for the number of CARs being issued was the M&O's failure to implement existing procedures which resulted in the unsatisfactory performance in the design control area and the identification of marginal performance in QA Program Elements 2.0, 4.0, 5.0, 16.0, 17.0 and Supplement I. On November 23, 1994, the OQA issued CAR YM-95-007 to the M&O based on the OQA Trend Program which indicated an adverse trend (repetitive) regarding the M&O's failure to implement existing procedures. This CAR is still open and the corrective action completion and verification of the corrective action is still pending. See Table 6 for a summary of the M&O QA Program evaluations.

**Raytheon Services Nevada (RSN)** - The RSN QA Program implementation was determined to be satisfactory. A total of two CARs were issued to RSN during FY 1994 and have been closed. RSN has no responsibilities in the QARD for QA Program Elements 8.0, 9.0, 13.0, Supplement III, and Appendices A, B, and C; therefore, no verifications were performed in these areas. See Table 7 for a summary of the RSN QA Program evaluations.

**Reynolds Electrical & Engineering Co., Inc. (REECO)** - The REECO QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 4.0, 7.0, and 9.0 which were determined to be not implemented. A total of four CARs were issued to REECO during FY 1994 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. See Table 8 for a summary of the REECO QA Program evaluations.

**Sandia National Laboratory (SNL)** - The SNL QA Program implementation was determined to be satisfactory except for implementation of QA Program Elements 2.0, 3.0, 5.0, and Supplement III which were determined to be marginal due to instances of inadequate procedures and failure to follow procedure requirements. QA Program Element Supplement I had not been implemented. A total of 17 CARs were issued to SNL during FY 1994. Three CARs have been closed and 14 CARs are pending completion and verification of corrective actions. SNL 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 9 for a summary of the SNL QA Program evaluations.

**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. A total of one CAR (YM-94-040) was issued to SAIC during FY 1994 and is pending completion and verification of corrective action. SAIC has no responsibilities in the QARD for QA Program Elements 3.0, 8.0, 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 and 7.0. A total of 9 CARs were issued to USGS during FY 1994. Two CARs have been closed and 7 CARs are pending completion and verification of corrective actions. USGS has no responsibilities in the QARD for QA Program Elements 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 11 for a summary of the USGS QA Program evaluations.

**SECTION III**

**OCRWM  
HEADQUARTERS  
QUALITY PROGRAM  
EVALUATION**

**Audits**

YMP-94-07, 7/18-22/94

**Surveillances**

0

**EVALUATION OF OCRWM HEADQUARTERS QUALITY PROGRAM  
BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS  
TABLE 1**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-07		S	
2.0	YMP-94-07	YM-94-060	S	
3.0	N/A		N/A	
4.0	YMP-94-07		S	
5.0	YMP-94-07		S	
6.0	YMP-94-07		S	
7.0	YMP-94-07		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	N/A		N/A	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	YMP-94-07		S	
17.0	YMP-94-07		S	
18.0	YMP-94-07		S	
Supp. I	YMP-94-07		U	
Supp. II	N/A		N/A	
Supp. III	N/A		N/A	
Supp. IV	N/A		N/A	
App. A	YMP-94-07		S	
App. B	YMP-94-07		S	
App. C	N/A		N/A	

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

**OFFICE OF CIVILIAN RADIOACTIVE  
WASTE MANAGEMENT  
YUCCA MOUNTAIN SITE  
CHARACTERIZATION OFFICE**

**QUALITY PROGRAM  
EVALUATION**

**Audits**

HQ-94-04, 7/25-29-94

**Surveillances**

YMP-SR-94-019, 12/20/93  
YMP-SR-94-035, 2/23-4/27/94  
YMP-SR-94-037, 3/7-4/4/94  
YMP-SR-94-044, 4/4-22/94  
YMP-SR-94-049, 6/13-22/94  
YMP-SR-94-058, 7/6-10/14/94  
YMP-SR-94-059, 7/6-15/94  
YMP-SR-94-062, 8/9-11/94

**EVALUATION OF OCRWM YMSCO QA PROGRAM  
BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS  
TABLE 2**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	HQ-94-04		S	
2.0	HQ-94-04 YMP-SR-94-049 YMP-SR-94-062	YM-94-042	S	CAR YM-94-042 closed.
3.0	HQ-94-04		S	
4.0	HQ-94-04		M	
5.0	HQ-94-04 YMP-SR-94-037	YM-94-030 YM-94-031	S	CAR YM-94-030 closed. CAR YM-94-031 closed.
6.0	HQ-94-04 YMP-SR-94-058	YM-95-001 YM-95-002	S	
7.0	HQ-94-04		NI	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	HQ-94-04		S	
12.0	N/A		N/A	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	HQ-94-04 YMP-SR-94-044		S	
16.0	HQ-94-04 YMP-SR-94-035	YM-94-033 YM-94-035 YM-94-036 YM-94-037 YM-94-038	S	CAR YM-94-035 closed.
17.0	HQ-94-04		S	
18.0	HQ-94-04		S	
Supp. I	HQ-94-04		NI	
Supp. II	HQ-94-04 YMP-SR-94-019 YMP-SR-94-059		S	

Supp. III	HQ-94-04		S	
Supp. IV	HQ-94-04		NI	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	HQ-94-04		NI	

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

**OTHER AFFECTED ORGANIZATIONS  
QUALITY ASSURANCE PROGRAM  
EVALUATIONS**

**SEE INDIVIDUAL TABLES FOR THE RESULTS  
OF VERIFICATIONS OF  
OTHER AFFECTED ORGANIZATIONS**

<b><u>Affected Organizations</u></b>	<b><u>Table</u></b>
EM-343	3
LANL	4
LLNL	5
M&O	6
RSN	7
REEC <sub>o</sub>	8
SNL	9
SAIC	10
USGS	11

**EVALUATION OF EM-343 QA PROGRAM  
BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS  
TABLE 3**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	HQ-94-03 HQ-SR-94-03		S	
2.0	HQ-94-03 HQ-SR-94-03	HQ-94-021 HQ-94-024	U	
3.0	N/A		N/A	
4.0	HQ-94-03		S	
5.0	HQ-94-03 HQ-SR-94-03	HQ-94-022	M	
6.0	HQ-94-03 HQ-SR-94-03	HQ-94-024	S	
7.0	HQ-94-03		NI	
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-94-03 HQ-SR-94-03	HQ-94-023	U	
17.0	HQ-94-03 HQ-SR-94-03		S	
18.0	HQ-94-03 HQ-SR-94-03		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-94-03		S	

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

**Status:**

S = Satisfactory  
 U = Unsatisfactory  
 NI = No Implementation  
 N/A = Not Applicable per Scope of Work

**Verification and Dates:**

HQ-94-03, 6/27/7/1/94  
 HQ-SR-94-03, 3/14-16/94

**EVALUATION OF LOS ALAMOS NATIONAL LABORATORY (LANL)  
PROGRAM BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS  
TABLE 4**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-08		S	
2.0	YMP-94-08		S	
3.0	N/A		N/A	
4.0	YMP-94-08	YM-94-080	NI	
5.0	YMP-94-08		S	
6.0	YMP-94-08		S	
7.0	YMP-94-08	YM-94-080	NI	
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	YMP-94-08	YM-94-079	S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	YMP-94-08		NI	
16.0	YMP-94-08		S	
17.0	YMP-94-08	YM-94-078	S	
18.0	YMP-94-08		S	
Supp. I	YMP-94-08	YM-94-082	S	
Supp. II	YMP-94-08		S	
Supp. III	YMP-94-08 YMP-SR-94-014 YMP-SR-94-054	YM-94-081 YM-94-083	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

NI = No Implementation

N/A = Not Applicable per Scope of Work

## Verification and Dates:

YMP-94-08, 8/15-19/94

YMP-SR-94-014, 12/6-10/93

YMP-SR-94-054, 8/3-5/94

**EVALUATION OF LAWRENCE LIVERMORE NATIONAL  
LABORATORY (LLNL) PROGRAM BASED ON FY 94 AUDIT AND  
SURVEILLANCE REPORTS  
TABLE 5**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-10		S	
2.0	YMP-94-10	YM-94-102	S	CAR YM-94-102 closed.
3.0	N/A		N/A	
4.0	YMP-94-10		S	
5.0	YMP-94-10		S	
6.0	YMP-94-10		S	
7.0	YMP-94-10		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	YMP-94-10		S	
13.0	YMP-94-10		S	
14.0	N/A		N/A	
15.0	YMP-94-10		NI	
16.0	YMP-94-10		S	
17.0	YMP-94-10		S	
18.0	YMP-94-10		S	
Supp. I	YMP-94-10		S	
Supp. II	YMP-94-10		S	
Supp. III	YMP-94-10 YMP-SR-94-014 YMP-SR-94-052	YM-94-084	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

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

YMP-94-10, 9/19-23/94

YMP-SR-94-014, 12/6-10/93

YMP-SR-94-052, 8/10-10/13/94

**EVALUATION OF THE M&O QA PROGRAM  
BASED ON FY 94 AUDITS AND SURVEILLANCES REPORTS  
TABLE 6**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	HQ-94-02 HQ-SR-94-02 HQ-SR-94-04 HQ-SR-94-08		S	
2.0	HQ-94-02  HQ-SR-94-01 HQ-SR-94-02 HQ-SR-94-04 HQ-SR-94-08  YMP-SR-94-013  YMP-SR-94-038 YMP-SR-94-041 YMP-SR-94-060	HQ-94-015 HQ-94-016 HQ-94-017  HQ-94-004  HQ-94-009 HQ-94-012 HQ-94-013 HQ-94-014 YM-94-012 YM-94-013 YM-94-014 YM-94-015	M	CAR HQ-94-004 closed.  CAR HQ-94-009 closed.  CAR YM-94-013 closed. CAR YM-94-014 closed.



10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	HQ-94-02		S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	HQ-94-02		S	
16.0	HQ-94-02 HQ-SR-94-02 HQ-SR-94-04 YMP-SR-94-001 YMP-SR-94-026 YMP-SR-94-032	HQ-94-008	M	
17.0	HQ-94-02 HQ-SR-94-01 HQ-SR-94-02 HQ-SR-94-04 HQ-SR-94-08 YMP-SR-94-022 YMP-SR-94-047	HQ-94-005  YM-94-019	M	CAR HQ-95-005 closed.
18.0	HQ-94-02 HQ-SR-94-02 HQ-SR-94-04 YMP-SR-94-021 YMP-SR-94-029 YMP-SR-94-045 YMP-SR-94-064 YMP-SR-94-066	HQ-94-006	S	CAR HQ-94-006 closed.
Supp. I	HQ-94-02 HQ-SR-94-02 HQ-SR-94-04	YM-94-057 HQ-94-007	M	CAR YM-94-057 closed. CAR HQ-94-007 closed.
Supp. II	N/A		N/A	
Supp. III	HQ-94-02 YMP-SR-94-033		NI	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	HQ-94-02		NI	

(See following page for status, verification and dates)

**Status:****S = Satisfactory****U = Unsatisfactory****M = Marginal****N/A = Not Applicable per Scope of Work****NI = No Implementation****Verification and Dates:****YMP-94-01, 7/25-29/94****YMP-SR-94-001, 10/11-14/93****YMP-SR-94-006, 10/21-22/93****YMP-SR-94-009, 11/3-8/93****YMP-SR-94-011, 11/17-22/93****YMP-SR-94-013, 12/13-20/93****YMP-SR-94-021, 1/17-21/94****YMP-SR-94-022, 1/19-2/11/94****YMP-SR-94-026, 1/25-31/94****YMP-SR-94-027, 2/1/94****YMP-SR-94-028, 2/1-27/94****YMP-SR-94-029, 2/21-25/94****YMP-SR-94-030, 2/8-14/94****YMP-SR-94-032, 4/11-12/94****YMP-SR-94-033, 3/7-18/94****YMP-SR-94-034, 2/21-24/94****YMP-SR-94-038, 3/7-10/94****YMP-SR-94-041, 3/21-4/15/94****YMP-SR-94-045, 4/18-29/94****YMP-SR-94-047, 5/31-6/14/94****YMP-SR-94-048, 5/18-19/94****YMP-SR-94-060, 7/18-8/26/94****YMP-SR-94-064, 8/15-19/94****YMP-SR-94-066, 8/29-9/7/94****YMP-SR-94-067, 9/19-23/94****HQ-94-02, 10/6-24/94****HQ-SR-94-01, 10/19-21/93****HQ-SR-94-02, 1/10-14/94****HQ-SR-94-04, 3/8-10/94****HQ-SR-94-08, 4/4-14/94**

**EVALUATION OF RAYTHEON SERVICES NEVADA (RSN) PROGRAM  
BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS  
TABLE 7**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-03		S	
2.0	YMP-94-03	YM-94-016	S	CAR YM-94-016 closed.
3.0	YMP-94-03	YM-94-017	S	CAR YM-94-017 closed.
4.0	YMP-94-03		S	
5.0	YMP-94-03		S	
6.0	YMP-94-03		S	
7.0	YMP-94-03		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	YMP-94-03		S	
11.0	YMP-94-03		S	
12.0	YMP-94-03		S	
13.0	N/A		N/A	
14.0	YMP-94-03		S	
15.0	YMP-94-03		S	
16.0	YMP-94-03		S	
17.0	YMP-94-03		S	
18.0	YMP-94-03		S	
Supp. I	YMP-94-03		S	
Supp. II	YMP-94-03		S	
Supp. III	N/A		N/A	
Supp. IV	YMP-94-03 YMP-SR-94-002 YMP-SR-94-016		S	
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:

YMP-94-03, 1/24-28/94

YMP-SR-94-002, 10/4-11/2/93

YMP-SR-94-016, 12/13-17/93

**EVALUATION OF THE REYNOLDS ELECTRICAL & ENGINEERING  
COMPANY INC. (REECo) BASED ON FY 94 AUDIT AND  
SURVEILLANCE REPORTS  
TABLE 8**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-04		S	
2.0	YMP-94-04 YMP-SR-94-025 YMP-SR-94-036		S	
3.0	N/A		N/A	
4.0	YMP-94-02 YMP-94-04 YMP-SR-94-024		S NI	
5.0	YMP-94-04		S	
6.0	YMP-94-04		S	
7.0	YMP-94-02 YMP-94-04		S NI	
8.0	YMP-94-04 YMP-SR-94-015		S	
9.0	YMP-94-04		NI	
10.0	YMP-94-04 YMP-SR-94-003 YMP-SR-94-005 YMP-SR-94-010 YMP-SR-94-023	YM-94-011 YM-94-008 YM-94-009 YM-94-024	S	CAR YM-94-011 closed. CAR YM-94-008 closed. CAR YM-94-009 closed. CAR YM-94-024 closed.
11.0	N/A		N/A	
12.0	YMP-94-04 YMP-SR-94-017		S	
13.0	YMP-94-04 YMP-SR-94-020		S	
14.0	YMP-94-04		S	
15.0	YMP-94-04 YMP-SR-94-018 YMP-SR-94-031		S	
16.0	YMP-94-04 YMP-SR-94-051		S	
17.0	YMP-94-04 YMP-SR-94-050		S	

18.0	YMP-94-04 YMP-SR-94-056		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  
NI = No Implementation  
N/A = Not Applicable per Scope of Work

**Verification and Dates:**

YMP-94-02, 12/6-9/93  
YMP-94-04, 5/2-6/94  
YMP-SR-94-003, 10/13-15/93  
YMP-SR-94-005, 11/1-16/93  
YMP-SR-94-010, 11/17-22/93  
YMP-SR-94-015, 12/13/93  
YMP-SR-94-017, 12/16-22/93  
YMP-SR-94-018, 12/16-17/93  
YMP-SR-94-020, 1/4/94  
YMP-SR-94-023, 1/21-2/25/94  
YMP-SR-94-024, 3/14-5/19/94  
YMP-SR-94-025, 2/1-4/94  
YMP-SR-94-031, 2/7/94  
YMP-SR-94-036, 3/9-15/94  
YMP-SR-94-050, 7/31-8/12/94  
YMP-SR-94-051, 8/3-31/94  
YMP-SR-94-056, 6/20-23/94

**EVALUATION OF SANDIA NATIONAL LABORATORY (SNL)  
PROGRAM  
BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS  
TABLE 9**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	HQ-94-01 YMP-94-09	HQ-94-001 YM-94-088	S	CAR YM-94-088 closed.
2.0	HQ-94-01  YMP-94-09	HQ-94-002 HQ-94-003 YM-94-092	M	
3.0	YMP-94-09		M	
4.0	HQ-94-01 YMP-94-09		S	
5.0	HQ-94-01 YMP-94-09	HQ-94-002 YM-94-096	M	
6.0	HQ-94-01 YMP-94-09		S	
7.0	HQ-94-01 YMP-94-09	YM-94-097	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	YMP-94-09	YM-94-098	S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	HQ-94-01 YMP-94-09	HQ-94-002 YM-94-087 YM-94-090 YM-94-091	S	CAR YM-94-090 closed.
17.0	HQ-94-01 YMP-94-09	HQ-94-002 YM-94-093 YM-94-094	S	
18.0	HQ-94-01 YMP-94-09	HQ-94-003	S	
Supp. I	HQ-94-01 YMP-94-09		NI	

Supp. II	YMP-94-09 YMP-SR-94-055		S	
Supp. III	YMP-94-09  YMP-SR-94-040 YMP-SR-94-053	YM-94-089 YM-94-095 YM-94-099  YM-94-077	M	CAR YM-94-095 closed.
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

NI = No Implementation

N/A = Not Applicable per Scope of Work

**Verification and Dates:**

YMP-94-09, 8/29-9/2/94

YMP-SR-94-040, 4/4-6/94

YMP-SR-94-053, 8/1-3/94

YMP-SR-94-055, 8/22-9/16/94

HQ-94-01, 10/1/8-12/93

**EVALUATION OF THE SCIENCE APPLICATIONS INTERNATIONAL  
CORPORATION (SAIC) BASED ON FY 94 AUDIT AND  
SURVEILLANCE REPORTS  
TABLE 10**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-05		S	
2.0	YMP-94-05	YM-94-040	S	
3.0	N/A		N/A	
4.0	YMP-94-05		S	
5.0	YMP-94-05		S	
6.0	YMP-94-05		S	
7.0	YMP-94-05		S	
8.0	N/A		N/A	
9.0	N/A		N/A	
10.0	YMP-94-05		S	
11.0	N/A		N/A	
12.0	YMP-94-05		S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	YMP-94-05		S	
16.0	YMP-94-05		S	
17.0	YMP-94-05		S	
18.0	YMP-94-05		S	
Supp. I	N/A		N/A	
Supp. II	N/A		N/A	
Supp. III	YMP-94-05		S	
Supp. IV	N/A		N/A	
App. A	N/A		N/A	
App. B	N/A		N/A	
App. C	YMP-94-05		NI	

Status:

S = Satisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

YMP-94-05, 5/16-20/94

**EVALUATION OF U.S. GEOLOGICAL SURVEY (USGS) PROGRAM  
BASED ON FY 94 AUDIT AND SURVEILLANCE REPORTS**

**TABLE 11**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1.0	YMP-94-06		S	
2.0	YMP-94-06		S	
3.0	YMP-94-06	YM-94-047	S	
4.0	YMP-94-06	YM-94-050	U	
5.0	YMP-94-06		S	
6.0	YMP-94-06		S	
7.0	YMP-94-06 YMP-SR-94-065	YM-94-050	U	
8.0	YMP-94-06		S	
9.0	N/A		N/A	
10.0	N/A		N/A	
11.0	N/A		N/A	
12.0	YMP-94-06 YMP-SR-94-042		S	
13.0	N/A		N/A	
14.0	N/A		N/A	
15.0	N/A		N/A	
16.0	YMP-94-06  YMP-SR-94-004 YMP-SR-94-007	YM-94-046 YM-94-049	U	
17.0	YMP-94-06		S	
18.0	YMP-94-06 YMP-SR-94-046	YM-94-044	S	CAR YM-94-044 closed.
Supp. I	YMP-94-06 YMP-SR-94-039	YM-94-045 YM-94-027	S	CAR YM-94-027 closed.
Supp. II	YMP-94-06	YM-94-048	S	
Supp. III	YMP-94-06 YMP-SR-94-012 YMP-SR-94-043 YMP-SR-94-063	YM-94-043	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:

Verification and Dates:

S = Satisfactory

U = Unsatisfactory

N/A = Not Applicable per Scope of Work

YMP-94-06, 10/20-24/94

YMP-SR-94-004, 11/1-3/93

YMP-SR-94-007, 11/16-19/93

YMP-SR-94-012, 12/6-10/93

YMP-SR-94-039, 3/14-18/94

YMP-SR-94-042, 3/7-4/21/94

YMP-SR-94-043, 3/9-17/94

YMP-SR-94-046, 4/26-28/94

YMP-SR-94-063, 9/26-10/25/94

YMP-SR-94-065, 8/17-19/94