

U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
OFFICE OF QUALITY ASSURANCE
EVALUATION OF
OCRWM AND OTHER AFFECTED ORGANIZATIONS
QUALITY ASSURANCE PROGRAMS
FY-1993

Approved by:



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Date: 11/24/93

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**SUMMARY OF AUDITS, SURVEILLANCES, AND OBSERVATIONS
PERFORMED BY THE OFFICE OF QUALITY ASSURANCE
DURING FISCAL YEAR 1993**

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 CRWM quality program.

Audit bases include the OCRWM DOE/RW-214, *Quality Assurance Requirements Document (QARD)*, the applicable *Quality Assurance Program Plan (QAPP)*, the *Quality Assurance Program Description Document (QAPD)*, and the appropriate quality implementing procedures. No organizations had fully implemented DOE/RW-0333P, *Quality Assurance Requirements and Description*, in FY-1993.

Audits were conducted in accordance with the OCRWM Quality Assurance Administrative Procedure (QAAP) 18.2, *Audit Program* and surveillances were conducted in accordance with QAAP 18.3, *Surveillance Program*. Significant additional verification activities included the observation of audits and surveillances performed by various affected organizations. The QA Program as described in the QARD, QAPD, affected organizations QAPPs/QAPDs, 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 (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 13.)

SUMMARY OF QA PROGRAM EFFECTIVENESS

The QA Program as described in the QARD, QAPD, affected organizations QAPPs/QAPDs, and applicable implementing procedures has been, for the most part, determined to be satisfactory. While unsatisfactory elements have been identified, the nature of the conditions did not warrant immediate corrective action of stop work. Impact is minimal at this time. OQA commits to track the status and take appropriate action if so required.

As a result of OQA audit and surveillance activities, forty-five more CARs were issued in FY 1993 against OCRWM and its affected organizations as compared to FY 1992. However, this is not significant because there was an increase in activities during FY 1993 as evidenced by a comparison of the number of affected organizations' QA Program Elements where there was sufficient activities in the QA Elements to allow a determination of program status. In FY 1992, a combination of 69 QA Elements among the affected organizations had insufficient activities to allow a determination of status, compared to 18 in FY 1993.

CHART 1 - ANALYSIS OF QA PROGRAM EFFECTIVENESS

Program Element	HQ	YMPO	EM-343	GA	LANL	LLNL	M&O	PNL	RSN	REEC _o	SNL	SAIC	USGS
1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	✓	✓	✓	●	✓	✓	●	✓	✓	✓	✓	✓	✓
3	✓	✓	✓	✓			✓		✓		✓		
4	✓	●	✓	✓		✓		✓	✓	●	M	✓	✓
5	✓	✓	✓	✓	✓		●	●	✓	✓	✓	✓	✓
6	✓	✓	●	✓	✓	✓	✓		✓	✓	✓	✓	✓
7	✓	●	✓	✓		✓		✓	M	✓		✓	✓
8		✓		✓	✓	✓		✓		✓	✓		✓
9				✓									
10				✓					✓	✓		✓	
11		✓		✓				✓	✓				
12				✓	✓	✓		✓	✓	✓		✓	✓
13		✓		✓		✓			✓	✓			✓
14				✓					✓	✓		✓	
15		✓		✓			●	✓	✓	✓		✓	✓
16	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	✓	✓	✓	✓	✓	✓	✓	●	✓	✓	✓	✓	✓
18	✓	✓	●	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
19				✓	✓		✓	✓	✓		✓	✓	✓
20		✓			✓	✓					✓	✓	✓

✓ = Satisfactory

M = Marginal

● = Unsatisfactory

Blank = No Implementation

Shaded = N/A to Workscope

SECTION II - NARRATIVE DESCRIPTION**OFFICE OF CIVILIAN RADIOACTIVE WASTE (OCRWM)**

OCRWM Headquarters - The OCRWM QA Program implementation was determined to be satisfactory except for QA Program element 19 which was not evaluated due to no implementation activity in this area during FY 1993. A total of nine CARs were issued to OCRWM Headquarters during FY 1993. Six CARs have been closed and three CARs (HQ-93-003, HQ-93-004, and HQ-93-007) are pending completion and verification of corrective actions. OCRWM Headquarters has no responsibilities in the QAPD for QA Program Elements 8, 9, 10, 11, 12, 13, 14, 15, and 20 therefore, no verifications were performed in these areas. The OCRWM OQA Yucca Mountain Division has the responsibility for providing auditors to audit OQA HQ for QA Program Elements 2, 16, 17, and 18. See Table 1 for a summary of the OCRWM Headquarters QA Program evaluations.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT OFFICE (YMPO) -The YMPO QA Program implementation was determined to be satisfactory except for implementation of QA Program Elements 4 and 7 which were determined to be unsatisfactory. A total of eight CARs were issued to YMPO during FY 1993. Two CARs have been closed and six CARs (HQ-93-003, YM-93-042, YM-93-044, YM-93-086, YM-93-087, and YM-93-093) are pending completion and verification of corrective actions. YMPO has no responsibilities in the QARD for QA Program Elements 9, 10, 12, 14, and 19; therefore, no verifications were performed in these areas. The OCRWM OQA Headquarters Division has the responsibility for performing the audit of YMQAD QA Program Elements 2, 16, 17, and 18. See Table 2 for a summary of the YMPO 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 6 and 18 which were determined to be unsatisfactory. Element 15 had no implementation. A total of six CARs were issued to EM-343 in FY 1993. Two CARs (HQ-93-027 and HQ-93-028) are pending evaluation of the EM-343 response, and four CARs (HQ-93-009, HQ-93-010, HQ-93-011, and HQ-93-012) are pending implementation of accepted corrective actions. EM-343 has no responsibilities delineated for QA Program Elements 8, 9, 10, 11, 12, 13, 14, 19, and 20. Therefore, no verifications were performed in these areas. See Table 3 for a summary of the EM-343 QA Program evaluations.

General Atomic (GA) -The GA QA Program implementation was determined to be satisfactory with the exception of QA Program Element 2 which was determined to be unsatisfactory. One CAR was issued to General Atomics during FY 1993. CAR HQ-93-029 is open pending implementation and verification of corrective actions. General Atomics has no responsibilities in the QARD for QA Program Element 20; therefore, no verification was performed in this area. See Table 4 for a summary of the General Atomics 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 3, 4, 7, and 13 which were determined to be not implemented. A total of five CARs were issued to LANL during FY 1993. Three CARs have been closed and two CARs (YM-93-049 and YM-93-051) are pending completion and verification of corrective actions. LANL has no responsibilities in the QARD for QA Program Elements 9, 10, 11, 14, and 15; therefore, no verifications were performed in these areas. See Table 5 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 Elements 5, 15, and 19 which were determined to be not implemented. A total of one CAR was issued to LLNL during FY 1993. The CAR (YM-93-085) is pending completion and verification of corrective action. LLNL has no responsibilities in the QARD for QA Program Elements 3, 9, 10, 11, and 14; therefore, no verifications were performed in these areas. See Table 6 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 Elements 2, 5, and 15 which were determined to be unsatisfactory and implementation of QA Program Elements 4, 7, 8, 10, 11, and 14 which were determined to be not implemented. A total of twenty-four CARs were issued either by OQA HQ (10 CARs) or YMQAD (14 CARs) to the M&O as a result of two audits and eleven surveillances during FY 1993. Thirteen CARs have been closed and eleven CARs (HQ-93-013, HQ-93-014, HQ-93-019, HQ-93-020, YM-93-040, YM-93-066, YM-93-072, YM-93-073, YM-93-074, YM-93-075, and YM-93-089) are pending completion and verification of corrective actions. The M&O has no responsibilities in the QARD for QA Program Elements 9, 12, 13, and 20; therefore, no verifications were performed in these areas.

In addition, on July 15, 1993, CAR YM-93-070 was issued to the M&O based on the OQA Trend Program which indicated an adverse trend (repetitive) regarding implementing procedures not addressing the upper-tier QA Program requirements and implementing procedures that are inadequate or non-existent for Quality Affecting Activities being performed. This CAR is still open and the corrective action completion and verification is still pending.

Audit YMP-93-16 of the M&O scheduled for August, 1993 was postponed to allow the M&O sufficient time to evaluate their program procedures and take appropriate action. The audit was rescheduled to include QA Program Elements 3, 4, 7, 8, 10, 11, 14, 15, 19 and 20.

In September, 1993, due to problems in the Design Control Area, the M&O issued a Design Control Improvement Plan. The OQA took a proactive approach in this instance by participating in the M&O's procedure improvement process associated with procedure development, design control, audits and surveillances. See Table 7 for a summary of the M&O QA Program evaluations.

Pacific Northwest National Laboratory (PNL) - The PNL QA Program implementation was determined to be satisfactory except for implementation of Elements 5 and 17 which were determined to be unsatisfactory and QA Element 6 which had no implementation. A total of two CARs were issued to PNL during FY 1993. The two CARs (HQ-93-022 and HQ-93-023) are open pending verification of completed corrective actions. PNL has no identified responsibilities for QA Program Elements 3, 9, 10, 13, 14, and 20; therefore, no verifications were performed in these areas. See Table 8 for a summary of the PNL QA Program evaluations.

Raytheon Services Nevada (RSN) - The RSN QA Program implementation was determined to be satisfactory except for implementation of QA Program Element 7 which was determined to be marginal. A total of twelve CARs were issued to RSN during FY 1993. Ten CARs have been closed. Two CARs (YM-93-078 and YM-93-079) are pending completion and verification of corrective actions. RSN has no responsibilities in the QARD for QA Program Elements 8, 9, and 20; therefore, no verifications were performed in these areas. See Table 9 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 which was determined to be unsatisfactory. A total of eleven CARs were issued to REECo during FY 1993. Eight CARs have been closed. Three CARs (YM-93-055, YM-93-058, and YM-93-061) are pending completion and verification of corrective actions. REECo has no responsibilities in the QARD for QA Program Elements 3, 9, 11, 19, and 20; therefore, no verifications were performed in these areas. See Table 10 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 Element 4 which was determined to be marginal and QA Program Elements 7, 12, 13, and 15 which had no implementation. A total of nine CARs were issued to SNL during FY 1993. Three CARs have been closed. Six CARs (YM-93-090, YM-93-094, YM-93-095, YM-93-096, YM-93-097, and YM-93-098) are pending completion and verification of corrective actions. SNL has no responsibilities in the QARD for QA Program Elements 9, 10, 11, and 14; therefore, no verifications were performed in these areas. See Table 11 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 implementation of QA Program Elements 3, 8, and 13 which had no implementation. A total of one CAR was issued to SAIC during FY 1993 and it was subsequently closed. SAIC has no responsibilities in the QARD for QA Program Elements 9 and 11; therefore, no verifications were performed in these areas. See Table 12 for a summary of SAIC QA Program evaluations.

U.S. Geological Survey (USGS) - The USGS QA Program implementation was determined to be satisfactory. A total of ten CARs were issued to USGS during FY 1993. Seven CARs have been closed. Three CARs (YM-93-027, YM-93-052, and YM-93-053) are pending completion and verification of corrective actions. USGS has no responsibilities in the QARD for QA Program Elements 3, 9, 10, 11, and 14; therefore, no verifications were performed in these areas. See Table 13 for a summary of the USGS QA Program evaluations.

SECTION III

OCRWM
HEADQUARTERS
QUALITY PROGRAM
EVALUATION

Audits

HQ-93-01 11/30 - 12/10/92
HQ-93-05 5/10 - 13/93

Surveillances

HQ-SR-93-07 9/8 - 17/93

**EVALUATION OF OCRWM HEADQUARTERS QUALITY PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 1

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	HQ-93-01		S	
2	HQ-93-01	CAR HQ-93-001 CAR HQ-93-005 CAR HQ-93-007 CAR HQ-93-008	S	CAR HQ-93-001 closed. CAR HQ-93-005 closed. CAR HQ-93-008 closed.
3	HQ-93-05 HQ-SR-93-07	CAR HQ-93-024	S	CAR HQ-93-024 closed.
4	HQ-93-05		S	
5	HQ-93-01 HQ-SR-93-07		S	
6	HQ-93-05 HQ-SR-93-07	CAR HQ-93-002	S	CAR HQ-93-002 closed.
7	HQ-93-05	CAR HQ-93-026	S	CAR HQ-93-026 closed.
8	N/A		N/A	
9	N/A		N/A	
10	N/A		N/A	
11	N/A		N/A	
12	N/A		N/A	
13	N/A		N/A	
14	N/A		N/A	
15	N/A		N/A	
16	HQ-93-01		S	
17	HQ-93-01		S	
18	HQ-93-01	CAR HQ-93-003 CAR HQ-93-004	S	
19	HQ-93-05		NI	
20	N/A		N/A	

Status

S = Satisfactory

U = Unsatisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

**OCRWM
YUCCA MOUNTAIN
SITE CHARACTERIZATION
PROJECT OFFICE
(YMPO)**

**QUALITY PROGRAM
EVALUATION**

Audits

YMP-93-09	4/5-9/93
YMP-93-15	8/9-13/93
HQ-93-01	11/30 - 12/10/93

Surveillances

YMP-SR-93-003	11/17 -12/10/92
YMP-SR-93-007	12/21/92 - 1/8/93
YMP-SR-93-009	12/17/93
YMP-SR-93-015	2/3/93
YMP-SR-93-018	2/16 - 18/93
YMP-SR-93-019	3/2/93
YMP-SR-93-020	3/29 - 4/2/93
YMP-SR-93-027	6/8/93
YMP-SR-93-028	7/8 - 21/93
YMP-SR-93-035	7/26 - 8/18/93
YMP-SR-93-037	8/16 - 9/8/93

**EVALUATION OF OCRWM YMPO QA PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE AND OBSERVER REPORTS**

TABLE 2

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-09		S	
2	YMP-93-09 HQ-93-01	CAR YM-93-044	S	
3	YMP-93-15 YMP-SR-93-018		S	
4	YMP-93-15	CAR YM-93-086	U	
5	YMP-93-09 YMP-SR-93-003 YMP-SR-93-009 YMP-SR-93-015 YMP-SR-93-019 YMP-SR-93-035 YMP-SR-93-037	CAR YM-93-043 CAR YM-93-087 CAR YM-93-093	S	CAR YM-93-043 closed
6	YMP-93-09 YMP-SR-93-018 YMP-SR-93-020 YMP-SR-93-028	CAR YM-93-042	S	
7	YMP-93-15		U	
8	YMP-93-09 YMP-SR-93-027		S	
9	N/A		N/A	
10	N/A		N/A	
11	YMP-93-15		S	
12	YMP-93-09 YMP-SR-93-019		N/A	
13	YMP-93-09		S	
14	YMP-93-15		N/A	
15	YMP-93-15		S	
16	HQ-93-01	CAR HQ-93-006	S	CAR HQ-93-006 closed.
17	YMP-93-09 HQ-93-01 YMP-SR-93-007		S	
18	HQ-93-01	CAR HQ-93-003	S	
19	N/A		N/A	

20	YMP-93-15		S	
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Status

S = Satisfactory

U = Unsatisfactory

N/A = Not Applicable per Scope of Work

**OTHER AFFECTED ORGANIZATIONS
QA PROGRAM
EVALUATIONS**

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

<u>Affected Organizations</u>	<u>Table</u>
EM-343	3
GA	4
LANL	5
LLNL	6
M&O	7
PNL	8
RSN	9
REEC _o	10
SNL	11
SAIC	12
USGS	13

**EVALUATION OF GENERAL ATOMIC'S QUALITY PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 4

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	HQ-93-06		S	
2	HQ-93-06	CAR HQ-93-029	U	
3	HQ-93-06		S	
4	HQ-93-06		S	
5	HQ-93-06		S	
6	HQ-93-06		S	
7	HQ-93-06		S	
8	HQ-93-06		S	
9	HQ-93-06		S	
10	HQ-93-06		S	
11	HQ-93-06		S	
12	HQ-93-06		S	
13	HQ-93-06		S	
14	HQ-93-06		S	
15	HQ-93-06		S	
16	HQ-93-06		S	
17	HQ-93-06		S	
18	HQ-93-06		S	
19	HQ-93-06		S	
20	N/A		N/A	

Status

S = Satisfactory

U = Unsatisfactory

N/A = Not Applicable per Scope of Work

Verification and Dates:

• HQ-93-06 7/19 - 22/93

**EVALUATION OF LOS ALAMOS NATIONAL LABORATORY (LANL) PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 5

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-11	CAR YM-93-049	S	
2	YMP-93-11		S	
3	YMP-93-02		NI	
4	YMP-93-02		NI	
5	YMP-93-11		S	
6	YMP-93-11		S	
7	YMP-93-02		NI	
8	YMP-93-02		S	
9	N/A		N/A	
10	N/A		N/A	
11	N/A		N/A	
12	YMP-93-11		S	
13	YMP-93-11		NI	
14	N/A		N/A	
15	N/A		N/A	
16	YMP-93-11		S	
17	YMP-93-11	CAR YM-93-050 CAR YM-93-051	S	CAR YM-93-050 closed.
18	YMP-93-11		S	
19	YMP-93-02	CAR YM-93-018 CAR YM-93-019	S	CAR YM-93-018 closed. CAR YM-93-019 closed.
20	YMP-93-02		S	

Status

S = Satisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

• YMP-93-02 11/2-5/92

• YMP-93-11 5/24-28/93

**EVALUATION OF LAWRENCE LIVERMORE NATIONAL LABORATORY (LLNL)
PROGRAM BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 6

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-04		S	
2	YMP-93-04		S	
3	N/A		N/A	
4	YMP-93-14		S	
5	YMP-93-04		NI	
6	YMP-93-04		S	
7	YMP-93-14		S	
8	YMP-93-14		S	
9	N/A		N/A	
10	N/A		N/A	
11	N/A		N/A	
12	YMP-93-04		S	
13	YMP-93-04 YMP-93-14		S	
14	N/A		N/A	
15	YMP-93-14		NI	
16	YMP-93-04		S	
17	YMP-93-04		S	
18	YMP-93-04 YMP-93-14	CAR YM-93-085	S	
19	YMP-93-14		NI	
20	YMP-93-14		S	

Status

S = Satisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

• YMP-93-04 1/11-15/93

• YMP-93-14 7/19-23/93

**EVALUATION OF THE M&O QA PROGRAM
BASED ON FY 93 AUDITS, SURVEILLANCES AND OBSERVER REPORTS**

TABLE 7

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	HQ-93-03 YMP-93-07		S	
2	HQ-93-03 YMP-93-07	CAR HQ-93-016 CAR HQ-93-019 CAR HQ-93-020	U	CAR HQ-93-016 closed.
3	HQ-93-03 HQ-SR-93-05 HQ-SR-93-07 YMP-SR-93-016 YMP-SR-93-033	CAR HQ-93-031 CAR YM-93-072 CAR YM-93-073 CAR YM-93-074	S	Audit YMP-93-16 postponed
4	HQ-93-03		NI	Audit YMP-93-16 postponed
5	HQ-93-03 HQ-SR-93-05 HQ-SR-93-07 YMP-93-07 YMP-SR-93-016 YMP-SR-93-017 YMP-SR-93-033 YMP-SR-93-038	CAR HQ-93-013 CAR HQ-93-018 CAR YM-93-036 CAR YM-93-037 CAR YM-93-040 CAR YM-93-038 CAR YM-93-075	U	CAR HQ-93-018 closed. CAR YM-93-036 closed. CAR YM-93-037 closed. CAR YM-93-038 closed.
6	HQ-93-03 HQ-SR-93-05 HQ-SR-93-07 YMP-93-07 YMP-SR-93-022	CAR HQ-93-013	S	
7	HQ-93-03		NI	Audit YMP-93-16 postponed
8			NI	Audit YMP-93-16 postponed
9	N/A		N/A	
10	YMP-SR-93-031 YMP-SR-93-044	CAR YM-93-069	NI	CAR YM-93-069 closed. Audit YMP-93-16 postponed
11			NI	Audit YMP-93-16 postponed
12	N/A		N/A	

13	N/A		N/A	
14			NI	Audit YMP-93-16 postponed
15	YMP-93-07	CAR YM-93-034	U	CAR YM-93-034 closed. Audit YMP-93-16 postponed
16	HQ-93-03 YMP-93-07	CAR HQ-93-015	S	CAR HQ-93-015 closed.
17	HQ-93-03 YMP-93-07 YMP-SR-93-031	CAR YM-93-066 CAR YM-93-067 CAR YM-93-068	S	CAR YM-93-067 closed. CAR YM-93-068 closed.
18	HQ-93-03 93-VIA-01	CAR HQ-93-015 CAR HQ-93-016 CAR HQ-93-017 CAR HQ-93-021	S	CAR HQ-93-015 closed. CAR HQ-93-016 closed. CAR HQ-93-017 closed. CAR HQ-93-021 closed.
19	HQ-93-03 YMP-SR-93-039	CAR HQ-93-014 CAR YM-93-089	S	Audit YMP-93-16 postponed
20	N/A		N/A	

Status

S = Satisfactory

U = Unsatisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

- YMP-93-07 3/1-8/93
- HQ-93-03 2/1 - 5/93
- HQ-SR-93-03 8/4 - 6/93
- HQ-SR-93-05 8/24 - 26/93
- HQ-SR-93-07 9/8 - 17/93
- 93-VIA-01 9/20 - 24/93
- YMP-SR-93-016 3/22 - 25/93
- YMP-SR-93-017 2/22 - 26/93
- YMP-SR-93-022 4/22/93
- YMP-SR-93-031 7/6 - 7/93
- YMP-SR-93-033 7/15/93
- YMP-SR-93-038 8/11/93
- YMP-SR-93-039 8/23 - 25/93
- YMP-SR-93-044 9/16 - 23/93

**EVALUATION OF PACIFIC NORTHWEST NATIONAL LABORATORY PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 8

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	HQ-93-04		S	
2	HQ-93-04		S	
3	N/A		N/A	
4	HQ-93-04		S	
5	HQ-93-04	CAR HQ-93-022	U	
6	HQ-93-04		NI	
7	HQ-93-04		S	
8	HQ-93-04		S	
9	N/A		N/A	
10	N/A		N/A	
11	HQ-93-04		S	
12	HQ-93-04		S	
13	N/A		N/A	
14	N/A		N/A	
15	HQ-93-04		S	
16	HQ-93-04 YMP-SR-93-032 YMP-SR-93-042		S	
17	HQ-93-04	CAR HQ-93-023	U	
18	HQ-93-04		S	
19	HQ-93-04		S	
20	N/A		N/A	

Status

S = Satisfactory

U = Unsatisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

- HQ-93-04 4/13 - 15/93
- YMP-SR-93-032 7/7 - 8/93
- YMP-SR-93-042 9/21 - 22/93

**EVALUATION OF RAYTHEON SERVICES NEVADA (RSN) PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS
TABLE 9**

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-13	CAR YM-93-080	S	CAR YM-93-080 closed.
2	YMP-93-13	CAR YM-93-076	S	CAR YM-93-076 closed.
3	YMP-93-13 YMP-SR-93-012	CAR YM-93-077 CAR YM-93-030	S	CAR YM-93-077 closed. CAR YM-93-030 closed.
4	YMP-93-13		S	
5	YMP-93-13 YMP-SR-93-013		S	
6	YMP-93-13	CAR YM-93-079	S	
7	YMP-93-13	CAR YM-93-078	M	
8	N/A		N/A	
9	N/A		N/A	
10	YMP-93-13 YMP-SR-93-012	CAR YM-93-028 CAR YM-93-029	S	CAR YM-93-028 closed. CAR YM-93-029 closed.
11	YMP-93-13 YMP-SR-93-006	CAR YM-93-081 CAR YM-93-084	S	CAR YM-93-081 closed. CAR YM-93-084 closed.
12	YMP-93-13	CAR YM-93-082	S	CAR YM-93-082 closed.
13	YMP-93-13		S	
14	YMP-93-13		S	
15	YMP-93-13		S	
16	YMP-93-13 YMP-SR-93-036	CAR YM-93-083	S	CAR YM-93-083 closed.
17	YMP-93-13 YMP-SR-93-013		S	
18	YMP-93-13		S	
19	YMP-93-13		S	
20	N/A		N/A	

Status

S = Satisfactory

M = Marginal

N/A = Not Applicable per Scope of Work

Verification and Dates:

- YMP-93-13 7/12-16/93
- YMP-SR-93-006 11/17 - 30/92
- YMP-SR-93-012 1/12 - 13/93
- YMP-SR-93-013 1/12 - 22/93
- YMP-SR-93-036 8/17/93

**EVALUATION OF THE REYNOLDS ELECTRICAL & ENGINEERING CO. INC (REEC₀)
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 10

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-06		S	
2	YMP-93-06 YMP-SR-93-025		S	
3	N/A		N/A	
4	YMP-93-12	CAR YM-93-055 CAR YM-93-062 CAR YM-93-063	U	CAR YM-93-062 closed. CAR YM-93-063 closed.
5	YMP-93-06 YMP-SR-93-029 YMP-SR-93-045	CAR YM-93-092	S	CAR YM-93-092 closed.
6	YMP-93-06		S	
7	YMP-93-12		S	
8	YMP-93-12		S	
9	N/A		N/A	
10	YMP-93-12 YMP-SR-93-021		S	
11	N/A		N/A	
12	YMP-93-06 YMP-93-12	CAR YM-93-033	S	CAR YM-93-033 closed.
13	YMP-93-06		S	
14	YMP-93-12	CAR YM-93-056 CAR YM-93-057 CAR YM-93-058 CAR YM-93-059 CAR YM-93-060 CAR YM-93-061	S	CAR YM-93-056 closed. CAR YM-93-057 closed. CAR YM-93-059 closed. CAR YM-93-060 closed.
15	YMP-93-12		S	
16	YMP-93-06		S	
17	YMP-93-06 YMP-SR-93-023		S	
18	YMP-93-06		S	
19	N/A		N/A	
20	N/A		N/A	

Status

S = Satisfactory

U = Unsatisfactory

N/A = Not Applicable per Scope of Work

Verification and Dates:

- YMP-93-06 2/8-12/93
- YMP-93-12 6/21 - 25/93
- YMP-SR-93-021 4/29 - 5/5/93
- YMP-SR-93-023 3/24 - 4/2/93
- YMP-SR-93-025 6/2 - 14/93
- YMP-SR-93-029 7/20 - 21/93
- YMP-SR-93-045 9/1/93

**EVALUATION OF SANDIA NATIONAL LABORATORY (SNL) PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 11

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-03		S	
2	YMP-93-03	CAR YM-93-022	S	CAR YM-93-022 closed.
3	YMP-93-17		S	
4	YMP-93-17 YMP-SR-93-043	CAR YM-93-096 CAR YM-93-097 CAR YM-93-098 CAR YM-93-090	M	
5	YMP-93-03		S	
6	YMP-93-03	CAR YM-93-021	S	CAR YM-93-021 closed.
7	YMP-93-17		NI	
8	YMP-93-17		S	
9	N/A		N/A	
10	N/A		N/A	
11	N/A		N/A	
12	YMP-93-03		NI	
13	YMP-93-03		NI	
14	N/A		N/A	
15	YMP-93-17		NI	
16	YMP-93-03		S	
17	YMP-93-03		S	
18	YMP-93-03	CAR YM-93-023	S	CAR YM-93-023 closed.
19	YMP-93-17		S	
20	YMP-93-17	CAR YM-93-094 CAR YM-93-095	S	

Status

S = Satisfactory

M = Marginal

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

- YMP-93-03 11/30-12/4/92
- YMP-93-17 9/13-17/93
- YMP-SR-93-043 8/30 - 9/3/93

**EVALUATION OF THE SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
(SAIC) BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 12

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-18		S	
2	YMP-93-18		S	
3	YMP-93-05		NI	
4	YMP-93-05		S	
5	YMP-93-18 YMP-SR-93-030	CAR YM-93-071	S	CAR YM-93-071 closed.
6	YMP-93-18		S	
7	YMP-93-05		S	
8	YMP-93-05		NI	
9	N/A		N/A	
10	YMP-93-05		S	
11	N/A		N/A	
12	YMP-93-18		S	
13	YMP-93-18		NI	
14	YMP-93-05		S	
15	YMP-93-05		S	
16	YMP-93-18		S	
17	YMP-93-18		S	
18	YMP-93-18		S	
19	YMP-93-05		S	
20	YMP-93-05		S	

Status

S = Satisfactory

NI = No Implementation

N/A = Not Applicable per Scope of Work

Verification and Dates:

- YMP-93-05 2/1-4/93
- YMP-93-18 9/27-10/1/93
- YMP-SR-93-030 6/29 - 7/6/93

**EVALUATION OF U.S. GEOLOGICAL SURVEY (USGS) PROGRAM
BASED ON FY 93 AUDIT, SURVEILLANCE, AND OBSERVER REPORTS**

TABLE 13

QA Program Element	Verification Number	Results of Verification Activity		
		CARs/Issued	Current Status	Remarks
1	YMP-93-10		S	
2	YMP-93-10		S	
3	N/A		N/A	
4	YMP-93-01 YMP-93-10	CAR YM-93-053	S	
5	YMP-93-10 YMP-SR-93-002 YMP-SR-93-008 YMP-SR-93-024 YMP-SR-93-040	CAR YM-93-027	S	
6	YMP-93-10		S	
7	YMP-93-01	CAR YM-93-012 CAR YM-93-013	S	CAR YM-93-012 closed. CAR YM-93-013 closed.
8	YMP-93-01 YMP-SR-93-002	CAR YM-93-026	S	CAR YM-93-026 closed.
9	N/A		N/A	
10	N/A		N/A	
11	N/A		N/A	
12	YMP-93-10 YMP-SR-93-002 YMP-SR-93-026	CAR YM-93-025 CAR YM-93-054	S	CAR YM-93-025 closed. CAR YM-93-054 closed.
13	YMP-93-10		S	
14	N/A		N/A	
15	YMP-93-01		S	
16	YMP-93-10 YMP-SR-93-011	CAR YM-93-052	S	
17	YMP-93-10		S	
18	YMP-93-10		S	
19	YMP-93-01	CAR YM-93-014	S	CAR YM-93-014 closed.
20	YMP-93-01	CAR YM-93-015	S	CAR YM-93-015 closed.

Status

S = Satisfactory

N/A = Not Applicable per Scope of Work

Verification and Dates:

- YMP-93-01 10/19-23/92
- YMP-93-10 6/14-18/93
- YMP-SR-93-002 11/17-12/18/92
- YMP-SR-93-008 12/3/92
- YMP-SR-93-011 1/13 - 15/93
- YMP-SR-93-024 5/10 - 21/93
- YMP-SR-93-026 6/29/93
- YMP-SR-93-040 8/6 - 9/2/93