


OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
QUALITY ASSURANCE PROGRAM
QUARTERLY TREND REPORT
COVERING THE PERIOD JANUARY 1993 - DECEMBER 1993

Approved: _____


Donald G. Horton, Director
Office of Quality Assurance

Date: 1/31/94

EXECUTIVE SUMMARY

1.0 Introduction

Quality Assurance Administrative Procedure (QAAP) 2.9, *Quality Assurance Program Trend Evaluation and Reporting*, Revision 3, requires that each of the OCRWM Quality Assurance Divisions evaluate, at quarterly intervals, all Corrective Action Requests (CARs) issued within the last twelve months that identified significant conditions adverse to quality. The purpose of this evaluation is to determine if any adverse trends or generic adverse trends are evident in the OCRWM QA Program and to take prompt corrective action where such trends exist.

This report covers the period from January 1, 1993 through December 31, 1993 and evaluates all CARs that reported Significant Conditions Adverse to Quality. This evaluation incorporates new data from CARs issued during the quarter October 1993 - December 1993.

Section 1 reports the results of the Headquarters Quality Assurance Division (HQAD) trend evaluation. Section 2 reports the results of the Yucca Mountain Site Characterization Project Quality Assurance Division (YMQAD) trend evaluation. Each section provides the status of previously reported adverse trends and identified current adverse or generic trends. Each section also contains details on problems constituting current adverse or generic adverse trends, discusses causes and actions to correct these trends, and includes a table of CARs that were evaluated.

2.0 Summary

A total of Twenty Eight (28) CARs were evaluated during the reporting period. The HQAD evaluated Eleven (11) CARs and the YMQAD evaluated Seventeen (17) CARs. No adverse trend was evident during the combined evaluation of the HQAD and YMQAD quarterly trend reports.

Headquarters had no new CARs to evaluate for this quarter. YMQAD had three significant CARs which were generated during this quarter. One CAR (YM-93-086) was issued which related to quality affecting work being performed prior to the issuance of a Technical Directive and QMP-04-02 not being implemented for processing interagency agreements. A second CAR (YM-94-002), was issued to address the lack of detailed documentation to support derived requirements in the Site Design and Test Requirements Document (SD&TRD), Exploratory

Studies Facility Requirements Document (ESFRD), and the Surface Based Testing Facility Requirements Document (SBTFRD). The third CAR (YM-94-005) relates to the lack of implementation of approved procedures in conducting video logging activities. CARs YM-93-037, YM-93-040 and YM-93-070 were not included in this evaluation since they were an integral part of the adverse trend identified in the second quarter of 1993. None of the CARs evaluated in this quarter appear to constitute an adverse trend or generic adverse trend.

No other adverse or generic adverse trends were noted as a result of this evaluation.

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

QUALITY ASSURANCE PROGRAM TREND REPORT


FOR

JANUARY 1993 THROUGH DECEMBER 1993

SECTION 2

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

Approved


Richard E. Spence, Director
Yucca Mountain Site Characterization
Quality Assurance Division

Date

1/31/94

SECTION 2

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

1.0 STATUS OF PREVIOUSLY REPORTED TRENDS

There is one unresolved adverse quality trend which was reported during the second quarter of 1993 and is being carried forward into the quarter October-December 1993. The adverse trend from the second quarter of 1993 is documented on CAR YM-93-070 and has been included in this report.

2.0 CURRENT ADVERSE AND GENERIC ADVERSE TRENDS

Seventeen CARs issued by the Yucca Mountain Quality Assurance Division (YMQAD) during the past twelve months identified conditions significantly adverse to quality. No adverse or generic adverse trends were identified during the evaluation of those CARs.

It should be noted that CARs YM-93-037, YM-93-040, and YM-93-070 were excluded from evaluation since they were the subject of an adverse trend identified in last quarters report.

See Table 2-1, Significant Condition Data Base for Trend Evaluation, for a list of CARs evaluated.

3.0 PROBLEMS CONSTITUTING CURRENT ADVERSE TRENDS OR GENERIC ADVERSE TRENDS

In the absence of current or generic adverse trends, no such problems exist.

4.0 SUMMARIES OF IDENTIFIED CAUSES AND ACTIONS REQUIRED TO CORRECT CURRENT ADVERSE TRENDS OR GENERIC ADVERSE TRENDS

Not applicable.

TABLE 2-1: SIGNIFICANT CONDITION DATA BASE FOR YMP TREND EVALUATION

CAR Number	CAR Issue Date	Response. Org.	Adverse Condition
YM-93-032	02/93	RSN	Requirements of RSN Grading Report No. RSN-GR-032 are not being met as follows: Position Quals/Job Descriptions, Management Assessments of Survey Dept., M&TE for survey work not controlled, discrepancies not documented per QA Program, no audits and surveillances of field survey, and lack of software controls.
YM-93-033	02/93	REECO	Calibrations not performed in accordance with procedures and procedures were not revised and/or new ones generated when it was found that personnel could not work to existing requirements.
YM-93-035	03/93	YMPO	FCRs are not being completed in accordance with AP 3.5Q.
YM-93-036	03/93	M&O	The CRWMS M&O have not been implementing the requirements of QAP 5-1 for the control and review of procedures.
YM-93-037	03/93	M&O	CRWMS M&O Implementing Line Procedures do not meet some of the requirements of the QAPD and in some instances do not reflect current practices. ILP NSP-17-1 does not address requirements from QAPD for controlling documents and records. ILP NSP-6-1 is not consistent with current practices.

CAR Number	CAR Issue Date	Response. Org.	Adverse Condition
YM-93-040	04/93	M&O	Procedures do not provide criteria for determining the method of design verification.
YM-93-045	04/93	M&O	No evidence provided to reflect that the CRF storage facility has been evaluated to store "one-of-a-kind" records/items.
YM-93-055	07/93	REEC	Supplier evaluation and testing was not performed for items purchased from suppliers of commercial-grade materials which will be used in work important to radiological safety and waste isolation.
YM-93-062	07/93	M&O	Specification YMP-025-1-SP09 and Item Specification 02165, 02310, and 03361 unclear on definition of commercial grade for quality affecting procurements. Specifications do not address traceability. FCR removed traceability requirements.
YM-93-063	07/93	M&O	NCRs dispositioned "Use As Is" and closed without any technical justification. NCRs dispositioned "Use As Is" based on documentation from unqualified suppliers.
YM-93-064	07/93	M&O	A specification allows a deficiency to be corrected without the issuance of an NCR.
YM-93-070	07/93	M&O	Repetitive deficiency regarding implementing procedures not addressing upper tier requirements and implementing procedures inadequate or non-existent for quality affecting activities. (Generated as a result of an Adverse Trend from previous quarterly evaluation)

CAR Number	CAR Issue Date	Response. Org.	Adverse Condition
YM-93-072	07/93	M&O	TBV identifier omitted from drawings when revised.
YM-93-073	07/93	M&O	Drawings associated with Change Directive 93/405 do not list all applicable quality affecting design inputs.
YM-93-086	08/93	YMP	Quality affecting work being assigned prior to the issuance of a Technical Directive. QMP-04-02 not being implemented for processing interagency agreements.
YM-94-002	10/93	M&O	No objective evidence that detailed documentation exists to support derived requirements in the SD&TRD, the ESFRD, and the SBTRD.
YM-94-005	11/93	LLNL	Approved procedures to conduct quality affecting activities were not being implemented by LLNL personnel while conducting video logging activities at borehole NRG-2B.

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

HEADQUARTERS QUALITY ASSURANCE DIVISION

QUARTERLY TRENDS REPORT

COVERING THE PERIOD JANUARY 1993 - DECEMBER 1993

Approved R. W. Clark
Robert W. Clark, Director
Headquarters Quality Assurance Division

Date 1/12/94

**HEADQUARTERS QUALITY ASSURANCE DIVISION
QUARTERLY TRENDS REPORT
COVERING THE PERIOD JANUARY 1993 - DECEMBER 1993**

1.0 Status of Previously Reported Trends

There are no previously reported trends.

2.0 Current Adverse and Generic Adverse Trends

No adverse or generic adverse trends were evident from an evaluation of eleven (11) Headquarters Corrective Action Requests (CARs), issued during the last twelve months, that identified significant conditions adverse to quality.

See Table 1-1, Significant Condition Data Base for HQ Trend Evaluation, for a list of CARs evaluated.

3.0 Problems Constituting Current Adverse Trends or Generic Adverse Trends

Since there are no current adverse or generic adverse trends at Headquarters, no problems constituting trends are evident.

4.0 Summaries of Identified Causes and Actions Required to Correct Current Adverse Trends or Generic Adverse Trends

Not applicable.

TABLE 1-1: SIGNIFICANT CONDITION DATA BASE FOR HQ TREND EVALUATION

CAR Number	CAR Issue Date	Resp. Org.	Adverse Condition
HQ-93-006	01/28/93	RW-3.2	Inadequate evaluation of CAR responses, no root cause required for SCATQ.
HQ-93-009	02/16/93	EM-343	Ineffective technical review process.
HQ-93-010	02/16/93	EM-343	Technical activities not verified during audits/surveillances.
HQ-93-011	02/16/93	EM-343	List of items & activities subject to QARD not developed.
HQ-93-013	03/18/93	M&O	Procedures lack adequate acceptance criteria.
HQ-93-015	03/18/93	M&O	Audit deficiencies not reported on CARs.
HQ-93-018	03/18/93	M&O	Deficiencies in preparation & review of procedures.
HQ-93-019	03/18/93	M&O	Inadequate verification of education.
HQ-93-021	03/18/93	M&O	Audit reports lack effectiveness statements & summary of objective evidence.
HQ-93-022	05/17/93	PNL	Inadequate use of technical procedures; use of unapproved procedure.
HQ-93-023	05/17/93	PNL	Records maintained in individual files for longer than 90 days.