



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

Reply to:  
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TO: James E. Kennedy, HLOB  
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative  
DATE: September 29, 1987  
SUBJECT: REVISED SCHEDULE FOR COMPLETION OF QAD AUDIT FINDINGS &  
WMPO QA AUDIT 87-8 OF F&S, TULSA, SUPPORT OF THE NNWSI  
PROJECT (WMPO ACTION ITEM #87-2491)

Please find enclosed the above-referenced information  
for your files.

PTP:nan

A handwritten signature in cursive script, appearing to read "Paul", enclosed within a hand-drawn oval.

87282149

WM Project: WM-10, 11, 16

PDR w/encl

(Return to WM, 623-SS)

WM Record File: 102.7

LPDR w/encl

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8710230092 870929  
PDR WASTE  
WM-10

PDR

WM DOCKET 1 N' POL  
CENT

'87 OCT -2 AM 23

WM Record File  
102.7

WM Project 10.11.16  
Docket No. \_\_\_\_\_

PDR ☒

LPPR ☒

(BATS)

Distribution:

Reilly

Riddle

Delia

Long

McDonald

(Return to WM, 623-SS)

KDM



## Department of Energy

Nevada Operations Office

P. O. Box 98518

Las Vegas, NV 89193-8518

SEP 16 1987

John R. Rinaldi, Director, QAD, NV

### REVISED SCHEDULE FOR COMPLETION OF QUALITY ASSURANCE DIVISION (QAD) AUDIT FINDINGS

The completion of corrective action for several QAD audit findings includes the revision of the Waste Management Project Office (WMPO) Quality Assurance Program Plan (QAPP), NVO-196-18, and several Quality Management Procedures (QMPs). The revision of these documents has been impacted by the recent consolidation of the WMPO and the Science Applications International Corporation/Technical & Management Support Services (SAIC/T&MSS) QAPPs and implementing procedures. Listed below is the present schedule for the completion of the committed corrective actions to the findings based on the schedule for the issuance of the WMPO QAPP and the related QMPs. These dates were discussed with you during our meeting on August 20, 1987.

In addition, Revision 2 to the response to Audit finding No. 86-05B is enclosed. Subsequent reviews indicated that the response that was initially provided did not accurately reflect the circumstances related to the finding. Your approval of this revised response is requested.

AUDIT FINDING NUMBER	CORRECTIVE ACTION ORIGINAL DATE	REVISION REVISIED DATE	PREVENTIVE ACTION ORIGINAL DATE	REVISION REVISIED DATE	COMMENTS
86-05A	8/01/87	10/31/87	*	*	Revise NVO-196-18
86-05B	8/01/87	10/31/87	*	*	Write QMP-04-01
86-05C	SEE REVISION 2 ENCLOSED				
86-05C	8/01/87	10/31/87	*	*	Revise QMP-03-01
	*	*	8/31/87	11/30/87	Train to QMP-03-01
86-05D	8/01/87	10/31/87	*	*	Prepare AP-5.8Q
	*	*	8/31/87	11/30/87	Train to AP-5.8Q
86-05E	8/01/87	10/31/87	*	*	Revise NVO-196-18
	8/01/87	10/31/87	*	*	Revise QMP-02-01
	4/30/87	10/31/87	*	*	Prepare Training Plan
86-05F	4/30/87	10/31/87	*	*	Prepare Training Plan
	*	*	5/87	11/30/87	Train to NVO-196-17 and NVO-196-18
86-05G	8/01/87	COMPLETE	*	*	Revise QMP-18-01
86-05H	8/01/87	10/31/87	*	*	Revise NVO-196-18

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AUDIT FINDING NUMBER	CORRECTIVE ORIGINAL DATE	ACTION REVISED DATE	PREVENTIVE ORIGINAL DATE	ACTION REVISED DATE	COMMENTS
86-05K	6/87	See Note	*	*	Develop Records Disposition Schedule
	10/30/87	See Note	*	*	Revise SOP-17-01 (AP-1.7)
86-05L	5/01/87	10/01/87	*	*	Prepare Proficiency Report
	*	*	8/01/87	11/30/87	Implement Training Plan
86-05M	8/01/87	11/30/87	*	*	Complete Indoctrination
86-05N	8/01/87	See Note	*	*	Prepare QMP-17-01
	2/06/87	See Note	*	*	Complete QA Records Type List
86-05P	8/01/87	COMPLETE	*	*	Revise QMP-18-01
86-05Q	8/01/87	See Note	*	*	Revise SOP-17-01 (AP-1.7)
	1/30/87	COMPLETE	*	*	Revise NVO-196-17
86-05R	12/15/86	COMPLETE	*	*	Identify Open Items
	*	*	ON-GOING		Maintain Status
86-05S	8/01/87	11/30/87	*	*	Implement Training Plan
86-05T	2/06/87	COMPLETE	*	*	Develop Matrix
	1/30/87	COMPLETE	*	*	Revise NVO-196-17
86-05U	8/01/87	10/31/87	*	*	Revise QMP-02-01
	8/01/87	9/22/87	*	*	Revise QMP-02-02
	8/01/87	9/22/87	*	*	Revise QMP-03-01
	8/01/87	9/22/87	*	*	Revise QMP-06-03
	8/01/87	10/31/87	*	*	Revise QMP-16-01
	3/09/87	COMPLETE	*	*	Revise NVO-196-17
86-05Y	3/09/87	COMPLETE	*	*	Develop Matrix
	8/01/87	9/22/87	*	*	Revise QMP-03-01
	8/31/87	10/22/87	*	*	Train on QMP-03-01
	*	*	ON-GOING		Maintain Matrix

\* No commitment made

SEP 16 1987

John R. Rinaldi

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Note: Findings 86-05K, 86-05N, and 86-05Q are related to Records Management. AP 1.7Q and QMP 17.01 must comply with Office of Geologic Repositories (OGR) requirements; the requirements have not been finalized, hence completion of these procedures is dependent upon input from OGR.

If you have any questions, please contact me at 295-8913.

*James Blaylock*

James Blaylock  
Project Quality Manager  
Waste Management Project Office

WMPO:JB-2755

Enclosure:

Revision 2 to Audit Finding No. 86-05B

cc w/encl:

V. J. Cassella, HQ (RW-222) FORS  
J. P. Knight, HQ (RW-24) FORS  
M. I. Foley, SAIC, Las Vegas, NV  
J. R. LaRiviere, SAIC, Las Vegas, NV  
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L. P. Skousen, WMPO, NV  
M. B. Blanchard, WMPO, NV  
W. R. Dixon, WMPO, NV

## AUDIT FINDING RESPONSE

AFS NO. 86-05B

### CAUSE

1. There are two possible applications of the term peer review. The application of the term relative to the report DOE/NV 10270-2, Rev. 1, SAIC 84/1847, Rev. 1, "Tectonic Stability and Expected Ground Motion at Yucca Mountain," is not addressed in QMP-03-01. The report is in itself a peer review report in that it was the result of a committee of peers reviewing a problem and submitting a formal recommendation. The report contains most of those items required in QMP-03-01. This document does not require a peer review as implied in the finding because it is the result of a peer review. This peer review was begun on June 5, 1984, before QMP-03-01 was issued. When the QMP was issued, it did not address this application of the term peer review as it was not understood to be in common usage in the scientific community.
2. Additional information indicates that the formal peer review report as required by QMP-03-01, Rev. 0, Para. 5.3.1, on the LLNL report, "Feasibility Assessment of Copper-Base Waste Package Container Materials in a Tuff Repository," UCID-20847 of September 30, 1986, has not yet been prepared because the entire peer review process has not yet been completed. Present status is that the reviewers comments dated April 16, 1987 were received. These comments have been transmitted to LLNL, but LLNL has not yet responded to these comments. This peer review report will be completed by approximately December 30, 1987. Upon completion of the entire peer review process the formal report will be written.

### CORRECTIVE ACTION:

1. QMP-03-01 is being revised in a manner which will ensure a better understanding of the peer review process and required documentation.
2. No corrective action necessary.

CORRECTIVE ACTION TO PRECLUDE RECURRENCE: Training on QMP-03-01 will be give to WMPO staff.

IMPLEMENTATION DATE: QMP-03-01 is being reviewed and will be issued by September 22, 1987. Training will be accomplished within 30 days of its issue to controlled distribution.

Rev. 2  
8/3/87

ENCLOSURE



## **Department of Energy**

Nevada Operations Office

P. O. Box 98518

Las Vegas, NV 89193-8518

**SEP 16 1987**

Richard L. Bullock  
Technical Project Officer  
for NNWSI  
Fenix & Scisson, Inc.  
P.O. Box 93265  
Las Vegas, NV 89193-3265

**WASTE MANAGEMENT PROJECT OFFICE (WMPO) QUALITY ASSURANCE (QA) AUDIT 87-8 OF  
FENIX & SCISSON (F&S), TULSA, SUPPORT OF THE NEVADA NUCLEAR WASTE STORAGE  
INVESTIGATIONS (NNWSI) PROJECT (WMPO ACTION ITEM #87- 2491)**

Enclosed is the report for QA Audit 87-8 which was conducted for the WMPO at  
F&S, Tulsa, on July 28-31, 1987.

The audit reviewed sufficient objective evidence related to the F&S Quality Assurance Program Plan and Exploratory Shaft Facility Project Control Manual to confirm that the F&S, Tulsa Program is in general compliance with the NNWSI Project Quality Assurance Plan, NVO-196-17, Revision 3. The nature of the deficiencies, however, indicates the need for increased management attention to the reinstruction of F&S Design Engineers in procedure requirements for Quality Level I and II work. Deficiencies are described in Section 6.0 of this report.

During the course of the audit, the audit team generated seven Standard Deficiency Reports (SDRs) (Nos. 062-068), two observations, and three recommendations. The action copies of the SDRs were transmitted to you by the WMPO letter JB-2572 on August 21, 1987. Copies of the SDRs are also enclosed with this report for your information.

Written responses to the two observations contained in Section 6.0 are required and are due within 20 working days of the date of this transmittal letter. Please address your observation responses to me and concurrently send a copy of each observation response to Nita J. Brogan at Science Applications International Corporation (SAIC), Las Vegas, Nevada.

The recommendations contained in this report are submitted for consideration by your staff during the implementation of your QAPP.

By copy of this letter, Audit 87-8 is considered closed. Any open SDRs or observations will continue to be tracked by the WMPO until all have been satisfactorily closed.

Richard L. Bullock

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SEP 16 1987

If you have any questions, please contact Robert Klemens of SAIC at 295-8734.

*James Blaylock*

James Blaylock  
Project Quality Manager  
Waste Management Project Office

WMPO:JB-2757

Enclosure:  
Report for QA Audit 87-8

cc w/encl:

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