



Department of Energy

Washington, DC 20585

QA: L

AUG 22 1997

W. E. Barnes  
Project Manager  
ATTN: J. R. Compton  
U.S. Department of Energy  
Yucca Mountain Site Characterization  
Office, M/S 523  
P.O. Box 30307  
North Las Vegas, NV 89036-0307

VERIFICATION OF CORRECTIVE ACTION AND CLOSURE OF DEFICIENCY  
REPORT (DR) YM-96-D-096 RESULTING FROM OFFICE OF QUALITY  
ASSURANCE (OQA) AUDIT HQ-ARC-96-003 OF YUCCA MOUNTAIN SITE  
CHARACTERIZATION OFFICE

The OQA staff has verified the corrective action to DR YM-96-D-096 and determined the results to be satisfactory. As a result, the DR is considered closed.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or James J. George at (202) 586-7220.

*R.W. Cal*  
for Donald G. Horton, Director  
Office of Quality Assurance

OQA:JB-2166

Enclosure:  
DR YM-96-D-096

cc w/encl:  
J. O. Thoma, NRC, Washington, DC  
S. W. Zimmerman, NWPO, Carson City, NV  
J. A. Hall, M&O, Las Vegas, NV

cc w/o encl:  
W. L. Belke, NRC, Las Vegas, NV  
J. J. George, OQA/QATSS, Washington, DC  
L. W. Wagner, OQA/QATSS, Las Vegas, NV  
D. G. Sult, OQA/QATSS, Las Vegas, NV  
R. W. Clark, DOE/OQA, Las Vegas, NV

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**OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.**

8  Performance Report  
 Deficiency Report  
 NO. YM-96-D-096  
 PAGE 1 OF 398  
 QA: L 12/21/96

**PERFORMANCE/DEFICIENCY REPORT**

1 Controlling Document: Quality Assurance Requirements and Description (QARD), Revision 5  
 2 Related Report No. HQ-ARC-96-003

3 Responsible Organization: Yucca Mountain Site Characterization Office (YMSCO)  
 - Deputy Project Manager  
 4 Discussed With: Richard Spence

5 Requirement/Measurement Criteria:  
 QARD (DOE/RW-0333P), Section 2.0, Quality Assurance Program, Paragraph 2.2.1 B. 4., states that each Affected Organization shall review revisions to the QARD and incorporate changes into their implementing documents, as appropriate.

6 Description of Condition:  
 Contrary to the requirement, no objective evidence could be produced to show that YMSCO had completed the required reviews of Revision 5 of the QARD to determine and incorporate required changes into implementing documents since Revision 5 became effective in October of 1995.

7 Initiator: *J. George*  
 James George Date 09/11/96  
 9 Is condition an isolated occurrence?  
 Yes  No  Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)  
 Complete the effort to incorporate changes to implementing documents as a result of the Revision 5 changes to the QARD.  
 Provide a schedule for completion of required implementing document revisions.  
 Perform an analysis to determine the impact of not having completed procedure revisions, as required.

11 QA Review: *J. George*  
 QAR Date 9/18/96  
 12 Response Due Date: 10/31/96

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)  
 Printed Name Donald G. Horton Signature *R.W. Cluff* Date 9/18/96

22 Corrective Actions Verified: *see 7/23/97 signed DR*  
 QAR Date  
 23 Closure Approved by: (N/A for PR)  
*See signed DR*  
 AOQAM Date

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

8  Performance Report  
 Deficiency Report

NU. YM-96-12-096

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QA: L 7/24/97  
12/12/97

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:  
Quality Assurance Requirements and Description (QARD), Revision 5

2 Related Report No.  
11Q-ARC-96-003

3 Responsible Organization:  
Yucca Mountain Site Characterization Office (YMSCO)  
- Duty Project Manager

4 Discussed With:  
Richard Spence

5 Requirement/Measurement Criteria:  
  
QARD (DOE/RW-0333P), Section 2.0, Quality Assurance Program, Paragraph 2.2.1 B. 4., states that each Affected Organization shall review revisions to the QARD and incorporate changes into their implementing documents, as appropriate.

6 Description of Condition:  
  
Contrary to the requirement, no objective evidence could be produced to show that YMSCO had completed the required reviews of Revision 5 of the QARD to determine and incorporate required changes into implementing documents since Revision 5 became effective in October of 1995.

7 Initiator  
James George  
Date 09/11/96

9 Is condition an isolated occurrence?  
 Yes  No  Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)  
Complete the effort to incorporate changes to implementing documents as a result of the Revision 5 changes to the QARD.  
Provide a schedule for completion of required implementing document revisions.  
Perform an analysis to determine the impact of not having completed procedure revisions, as required.

11 QA Review  
QAR [Signature] Date 9/18/96

12 Response Due Date  
10/31/96

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)  
Printed Name Donald G. Horton Signature [Signature] Date 9/18/96

22 Corrective Actions Verified  
QAR [Signature] Date 7/23/97

23 Closure Approved by: (N/A for PR)  
AQQAM [Signature] Date 8/20/97

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

PR/DR NO. YM-96-D-096

PAGE 2 OF 3  
QA: L

PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required  Yes  No

17 Action to Preclude Recurrence: (Not required for PR)

Required  Yes  No

18 Corrective Action Completion Due Date:

19 Response by:

Initial

Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

8  Performance Report  
 Deficiency Report

NO. YM-96-D-096

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OF

7/26/96  
QA: L

PR/DR CONTINUATION PAGE



Department of Energy  
Washington, DC 20585

DR 400-01 D-240  
10/17/95

OCT 17 1995

Robert E. Clark, HQ (RW-3.1) FORS  
James T. Conway, HQ (EM-33) TREV  
Thomas H Chaney, USGS, Denver, CO  
Ronald P. Ruth, M&O, Las Vegas, NV  
Richard E. Spence, YMQAD, NV  
Wesley E. Barnes, YMSCO, NV

QUALITY ASSURANCE REQUIREMENTS AND DESCRIPTION (QARD) REVISION 5,  
IMPACT ANALYSIS (SCPB: N/A)

Please find enclosed an information copy of Revision 5 of the QARD for your use in identifying implementing documents impacted by this QARD revision.

It is requested that impacted implementing documents be revised to be in compliance with Revision 5 of the QARD by March 1, 1996.

If you have any questions, please contact either Catherine E. Hampton at (702) 794-7973 or James T. Schmit at (702) 794-7709.

*D. G. Horton*  
Donald G. Horton, Director  
Office of Quality Assurance

OQA:CEH-169

Enclosure:  
QARD, Revision 5

cc w/o encl:  
J. C. Bresee, HQ (RW-10) FORS  
R. A. Milner, HQ (RW-30) FORS  
Samuel Rousso, HQ (RW-40) FORS  
S. L. Bolivar, LANL, Las Alamos, NM  
S. J. Levy, LBL, Berkeley, CA  
R. E. Monks, LLNL, Livermore, CA  
J. D. Christensen, Kiewit/PB, Las Vegas, NV  
J. E. Zimmerman, M&O, Las Vegas, NV  
J. T. Schmit, YMQAD/QATSS, Las Vegas, NV  
C. K. Van House, YMQAD/QATSS, Las Vegas, NV

ENCLOSURE 1<sup>m</sup>

P.50844

12/15/95 211127RE-0314

DR Ym-616 D-29  
11-11-1995



Department of Energy  
Washington, DC 20585

DEC 01 1995

- Robert W. Clark, HQ (RW-3.1) FORS
- James C. Bresee, HQ (RW-10) FORS
- Samuel Rousso, HQ (RW-30) FORS
- Jerri J. Adams, YMSCO, NV
- Wesley E. Barnes, YMSCO, NV
- Stephan J. Brocoum, YMSCO, NV
- Richard L. Craun, YMSCO, NV
- Susan B. Jones, YMSCO, NV
- Richard E. Spence, YMQAD, NV

QUALITY ASSURANCE REQUIREMENTS AND DESCRIPTION (QARD) DOCUMENT,  
REVISION 5, PROCEDURE IMPACTS (SCPB: N/A)

Please find enclosed a listing of the Office of Civilian Radioactive Waste Management (OCRWM) procedures which implement the QARD.

It is requested that the individuals responsible for these procedures, as identified in the OCRWM Document Responsibility Matrix, review same for impact associated with QARD, Revision 5, and revise those impacted by March 1, 1996.

In order to track the revision of impacted procedures, please notify Judith E. Zimmerman, Technical Publications Management, at (702) 794-7797 of the result of your review. For those procedures which are impacted, obtain a Document Action Request number from Bryan K. Tate, Technical Publications Management, at (702) 794-7878.



ENCLOSURE 2  
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Multiple Addressees

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DEC 01 1995

If you have any questions, please contact either Catherine E. Hampton at (702) 794-7973 or James T. Schmit at (702) 794-7709.



Donald G. Horton, Director  
Office of Quality Assurance

OQA:CEH-650

Enclosures:

1. Procedures Potentially Impacted  
by QARD, Revision 5
2. Procedures Potentially Impacted  
by QARD, Revision 5 - sorted by  
responsible organization
3. Ltr, 10/17/95, Horton to Distribution

cc w/o encls:

- C. K. Van House, YMQAD/QATSS, Las Vegas, NV
- R. J. Dyer, YMSCO, NV

1 line 100 20

Multiple Addressees

-3-

DEC 01 1995

bcc w/encls:

- D. C. Hendrix, HQQAD, QATSS, Washington, DC
- S. D. Harris, YMQAD/QATSS, Las Vegas, NV
- S. H. Horton, YMQAD/QATSS, Las Vegas, NV
- J. S. Martin, YMQAD/QATSS, Las Vegas, NV
- R. L. Maudlin, YMQAD/QATSS, Las Vegas, NV
- M. G. McDaniel, YMQAD/QATSS, Las Vegas, NV
- A. W. Rabe, YMQAD/QATSS, Las Vegas, NV
- C. C. Warren, YMQAD/QATSS, Las Vegas, NV

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### Procedures Potentially Impacted by QARD Revision 5

Responsible Organization: AMA

Document	Reviewed/Responsible	Conclusion	Status
QAP 3.5 TECHNICAL DOCUMENTATION PREPARATION	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: No:	QARD possible changes to:3.2 [QARD 6.2.8]. This procedure is approved for cancellation. See DAR 936. To be superceded by YLP-3.1Q (See DAR 891).	To be superseded by YLP-3.1Q- YMSCO. See DAR 891.
YAP 2.9Q MANAGEMENT PLAN DEVELOPMENT AND REVISION	New Procedure Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	See DAR 1172.	01/23/96 - PPR in comment resolution.
YAP 5.1Q DOCUMENT DEVELOPMENT, CHANGE, REVIEW, APPROVAL AND ACCEPTANCE CONTROL	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	Possible changes : This document will be out of date. 1.0 reference to QARD 2.2.9; 6.1.3 reference to QARD 2.2.2. See DAR 1656.	02/12/9 - PPR in comment resolution.
YAP 5.2Q FORMS ADMINISTRATION	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: No:		
YAP 6.2Q DISTRIBUTION, MAINTENANCE, AND USE OF CONTROLLED AND MANAGED DOCUMENTS	Assigned to AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: No:	Possible changes to: 2.0 [QARD 6.2.1]. See DAR 1729.	Effective 11/08/95.

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**Procedures Potentially Impacted by QARD Revision 5**  
**Responsible Organization: AMA**

Document	Reviewed/Responsible	Conclusion	Status
YAP 17.1Q RECORDS MANAGEMENT REQUIREMENTS AND RESPONSIBILITIES	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: No:	Possible changes to: 3.9.6 [QARD 17.2.1A.2.] & [QARD 17.2.1A.6.]; 5.3.3 & ATT.9.5 [QARD 17.2.2B.]; ATT.9.5 [QARD 17.2.3B.]; ATT.9.4 [QARD 17.2.4A.]; ATT 9.4 1.b) [QARD 17.2.4B. :2s]; 5.3.2d) [QARD 17.2.7b. :1s]; new section [QARD 17.2.10].	
YAP SIII.6Q GEOTECHNICAL CORE LOGGING	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	See DAR 1650.	02/20/96 - Waiting for DRR's to go for final signatures
YLP-1.1Q-YMSCO ORGANIZATION	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: 4.3.1 1), 4.3.1 [QARD 2.2.2A.]	02/06/96 - Out in QAP 6.2 review. Comments due 02/15/96.
YLP-2.1Q-YMSCO YUCCA MOUNTAIN SITE CHARACTERIZATI ON OFFICE QUALIFICATION AND TRAINING	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: No:		
YLP-3.1Q-YMPO TECHNICAL DOCUMENT PREPARATION	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	See DAR 891. See QAP 3.5, DAR 936. Possibly, this procedure should be a YAP.	02/20/96 - On hold PPR rewriting document

## Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	Status
YLP-4.1Q-YMSCO PROCUREMENT ACTIONS	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	Possible changes to:5.1.1,5.1.2 [QARD 4.2.2A.]; 6.2e)1) [QARD 7.2.6C.3.]; 6.2e)NOTE: [QARD 7.2.11B. :2s]; 5.1.1e)1) [QARD 6.2.8]. See DAR 1575.	4/18/96 - Approved training
YLP-5.2Q-AMA MAINTENANCE OF THE QARD PROGRAM PROCEDURES DATABASE	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: X No:	Written to meet Supplement V. Approved.	02/09/96 - In comment resolution.

**Key:**

1. First column self explanatory.
2. Second column:
  - A. Line 1 identifies the organization responsible for the procedure.
  - B. Line 2 identifies individual responsible for review and revision of the procedure.
  - C. Line 3 identifies individual responsible for preparing the revision.
  - D. Line 4 indicates, based on review, whether or not the procedure requires revision due to QARD Rev.5 changes.
3. Third column:
  - A. Identifies possible changes to a specific paragraph in the procedure (i.e. QAP 1.1 paragraph 6.2.1) ) and the location in the QARD which resulted in the change being needed (i.e. [QARD 2.2.1C.2])
  - B. Identifies outstanding DARs related to the procedure. If procedure requires revision due to QARD Rev.5 changes, these DARs should be considered for incorporation

**Procedures Potentially Impacted by QARD Revision 5**  
**Responsible Organization: AMSL**

Document	Reviewed/Responsible	Conclusion	Status
<b>YAP 2.4Q  DEVELOPMENT OF  YUCCA MOUNTAIN  SITE  CHARACTERIZ-  ATION PROJECT  MANAGEMENT  CONTROLS  REQUIREMENTS  LIST</b>	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	Para. 3.6. There is a conflict with QARD Glossary definitions.	
<b>YAP 2.6Q  PARTICIPANT  PLANNING SHEET  PROCESS</b>	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	Possible changes to: 6.2 Bullet #2 [QARD 2.2.4B]; 6.2 Bullet #3 [QARD 2.2.4C.]; 5.1.2b), 5.1.5b), 6.4e) [QARD 4.2.2A.]; 5.1.1a)6) [QARD 7.2.6B.]. See DAR 1701.	02/21/96 - TPM waiting for status update from PPR.
<b>YAP 2.7Q  ITEMS  CLASSIFICATION  AND  MAINTENANCE OF  THE Q-LIST</b>	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: 1.0, 2.0, 3.0, 5.0, 6.0 [QARD 2.2.3A]	Approved 4/8/96 - In training
<b>YAP 2.8Q  TRACERS, FLUIDS,  AND MATERIALS  DATA REPORTING  AND  MANAGEMENT</b>	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	See DAR 1678.	Effective 01/05/96
<b>YAP 3.4Q  FIELD CHANGE  CONTROL  PROCESS</b>	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	Possible changes to: 5.2.4e)2) [QARD 2.2.10C.]	Procedure to be cancelled. On hold per PPR.

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## Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	Status
YAP 3.5Q CHANGE CONTROL PROCESS	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	See DAR 1710.	Approved - In training
YAP 3.6Q PHYSICAL INTERFACE CONTROL	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:		
YAP SIII.1Q QUALIFICATION OF EXISTING DATA	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	QARD Supplement III possible changes. See DAR 1660.	
YAP SIII.2Q TECHNICAL INFORMATION FLOW TO AND FROM THE YUCCA MOUNTAIN SITE CHARACTERIZ- ATION PROJECT TECHNICAL DATA BASE	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No:	QARD Supplement III possible changes.	
YAP SIII.3Q CONTROL AND TRANSFER OF TECHNICAL DATA ON THE YUCCA MOUNTAIN SITE CHARACTERIZ- ATION PROJECT	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: X No:	QARD Supplement III possible changes.	4/18/96 - Approved training

### Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	Status
YLP-SIII. 1Q-EGG TECHNICAL DATA FLOW TO AND FROM GEOGRAPHIC NODAL INFORMATION STUDY AND EVALUATION SYSTEM TECHNICAL DATA BASE.	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: X No:	QARD Supplement III possible changes.	02/22/96 - Received DAR 02/15/96, waiting for mark-up from PPR.
YLP-SIII. 2Q-EGG DATA FLOW TO AND FROM THE YUCCA MOUNTAIN SITE CHARACTERIZ- ATION PROJECT TRACERS, FLUIDS, AND MATERIALS DATABASE	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: X No:	QARD Supplement III possible changes.	02/22/96 - Received DAR 02/15/96, waiting for mark-up from PPR.

**Key:**

1. First column self explanatory.
2. Second column:
  - A. Line 1 identifies the organization responsible for the procedure.
  - B. Line 2 identifies individual responsible for review and revision of the procedure.
  - C. Line 3 identifies individual responsible for preparing the revision.
  - D. Line 4 indicates, based on review, whether or not the procedure requires revision due to QARD Rev.5 changes.
3. Third column:

**Potential Impact by the Issuance of QARD Revision 5**

- A. Identifies possible changes to a specific paragraph in the procedure (i.e. QAP 1.1 paragraph 6.2.1) ) and the location in the QARD which resulted in the change being needed (i.e. [QARD 2.2.1C.2])
- B. Identifies outstanding DARs related to the procedure. If procedure requires revision due to QARD Rev.5 changes, these DARs should be considered for incorporation

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PR 47-96-D 696

**Procedures Potentially Impacted by QARD Revision 5**  
**Responsible Organization: AMSP**

Document	Reviewed/Responsible	Conclusion	Status
YAP 2.1Q TECHNICAL ASSESSMENT	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:	QARD Supplement III possible changes .	
YAP 2.2Q PREPARATION, REVIEW, APPROVAL, AND REVISION OF SITE CHARACTERIZ- ATION PLAN STUDY PLANS	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:	QARD Supplement III possible changes.	
YAP 5.5Q TEST PLANNING PACKAGE DEVELOPMENT AND IMPLEMENTATION	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: This document is out of date. 3.1, 5.4g), 5.5.1b), 5.5.2g), 7.0, 7.1d) [QARD 6.2.8]. See DAR 1699.	02/09/96 - On hold until new YAP is created & approved.
YAP 5.6Q FIELD WORK ACTIVATION	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: ATT.9.4 [QARD 2.2.3B. :1s]; ATT.9.4a)2) [QARD 2.2.3B. :2s]; 5.1.15a), 5.2.2NOTE: [QARD 6.2.3]; 5.3.2 [QARD 6.2.6]; 5.3.1 [QARD 6.2.8]. See DAR 1700.	02/09/96 - On hold until new YAP is created & approved.

### Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	Status
YAP 13.1Q BOREHOLE SECURITY AND ACCESS	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:	See DAR 1322.	
YAP SII.1Q SUBMITTAL, REVIEW, AND APPROVAL OF REQUESTS FOR YUCCA MOUNTAIN SITE CHARACTERIZATI ON PROJECT GEOLOGIC SPECIMENS	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:		
YAP SII.2Q REQUESTING SAMPLES FOR EXAMINATION AT THE YUCCA MOUNTAIN SITE CHARACTERIZATI ON PROJECT SAMPLE MANAGEMENT FACILITY	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:		

Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	Status
<p>YAP SII.4Q THE COLLECTION, SUBMITTAL, AND DOCUMENTATION OF NON-CORE AND NON-CUTTINGS SAMPLES TO THE SAMPLE MANAGEMENT FACILITY FOR SITE CHARACTERIZATI ON</p>	<p>Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:</p>	<p>Possible changes to: 5.1.1d) [QARD Supp.II. 2.4A].</p>	
<p>YAP SIII.4Q YUCCA MOUNTAIN SITE CHARACTERIZATI ON PROJECT FIELD VERIFICATION OF GEOPHYSICAL LOGGING OPERATIONS</p>	<p>Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:</p>	<p>QARD Supplement III possible changes.</p>	
<p>YAP SIII.5Q PREPARATION OF BOREHOLE GEOPHYSICAL LOGGING PROGRAMS FOR SURFACE BASED TESTING PROGRAM BOREHOLES</p>	<p>Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:</p>	<p>QARD Supplement III possible changes.</p>	
<p>YLP-5.1Q-YMSCO EVALUATION OF ONGOING ACTIVITIES</p>	<p>Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:</p>		

### Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	Status
YLP-SI.2Q-EGG SOFTWARE QUALIFICATION - NOT DEVELOPED IAW QARD	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:	QARD Supplement I possible changes.	02/22/96 - Received DAR 02/15/96 - Document to be cancelled
YLP-SI.3Q-EGG CONFIGURATION MANAGEMENT SYSTEMS	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No:	QARD Supplement I possible changes.	02/22/96 - Received DAR 02/15/96 - Document to be cancelled

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  - B. Identifies outstanding DARs related to the procedure. If procedure requires revision due to QARD Rev.5 changes, these DARs should be considered for incorporation

**Procedures Potentially Impacted by QARD Revision 5**  
**Responsible Organization: AMEFO**

Document	Reviewed/Responsible	Conclusion	Status
YAP 3.3Q PREPARATION AND SUBMITTAL OF AS-BUILT DRAWINGS AND SPECIFICATIONS	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No:		
YAP 3.7Q REQUEST FOR CLARIFICATION	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No:		
YAP 5.4Q TECHNICAL FIELD WORK REQUEST	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No:	Possible changes to: 6.1 Bullet #3 [QARD 2.2.5 :1s].	
YAP 6.1Q ACCEPTANCE OF CONFIGURATION ITEMS	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No:	Possible changes to: This document will be out of date. 7.0 [QARD 6.2.8]	
YAP 12.1Q OPERATION AND MAINTENANCE OF YMP PROPERTY	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No:		
YAP17.2Q JOB PACKAGE COMPLETION AND RECORDS	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No:	See DAR 1667.	

### Potential Impact by the Issuance of QARD Revision 5

Document	Reviewed/Responsible	Conclusion	
<b>YLP-3.2Q-AMEFO CRITERIA FOR DOCUMENT REVIEWS CONDUCTED BY THE ASSISTANT MANAGER FOR ENGINEERING AND FIELD OPERATIONS</b>	Assigned to: AMEFO Responsible: R. Craun Preparer; _____ Revision Required ? Yes: No:	Possible changes to: ATT. 9.3 :TRC2 [QARD 3.2.5B.]; ATT. 9.3 :TRC3 [QARD 3.2.5C.].	

**Key:**

1. First column self explanatory.
2. Second column:
  - A. Line 1 identifies the organization responsible for the procedure.
  - B. Line 2 identifies individual responsible for review and revision of the procedure.
  - C. Line 3 identifies individual responsible for preparing the revision.
  - D. Line 4 indicates, based on review, whether or not the procedure requires revision due to QARD Rev.5 changes.
3. Third column:
  - A. Identifies possible changes to a specific paragraph in the procedure (i.e. QAP 1.1 paragraph 6.2.1) ) and the location in the QARD which resulted in the change being needed (i.e. [QARD 2.2.1C.2])
  - B. Identifies outstanding DARs related to the procedure. If procedure requires revision due to QARD Rev.5 changes, these DARs should be considered for incorporation

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**Procedures Potentially Impacted by QARD Revision 5**  
**Responsible Organization: YMSCO**

Document	Reviewed/Responsible	Conclusion	Status
QAP 2.5 PEER REVIEW	Assigned to: YMSCO Responsible: D. Horton Preparer: _____ Revision Required ? Yes: No:	DAR 1549.	1/19/96 - On hold
QAP 2.6 READINESS REVIEW	Assigned to: YMSCO Responsible: W. Barnes Preparer: _____ Revision Required ? Yes: X No:	DAR 1548.	1/19/96 - On hold

**Key:**

1. First column self explanatory.
2. Second column:
  - A. Line 1 identifies the organization responsible for the procedure.
  - B. Line 2 identifies individual responsible for review and revision of the procedure.
  - C. Line 3 identifies individual responsible for preparing the revision.
  - D. Line 4 indicates, based on review, whether or not the procedure requires revision due to QARD Rev.5 changes.
3. Third column:
  - A. Identifies possible changes to a specific paragraph in the procedure (i.e. QAP 1.1 paragraph 6.2.1) and the location in the QARD which resulted in the change being needed (i.e. [QARD 2.2.1C.2])
  - B. Identifies outstanding DARs related to the procedure. If procedure requires revision due to QARD Rev.5 changes, these DARs should be considered for incorporation

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
QAP 1.1 ORGANIZATION	Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:	QARD possible changes to: 6.2.1f) [QARD 2.2.1C.2.]; 6.3 [QARD 1.3.2C.]; 6.4.3 [QARD 1.3.2D.]; 6.7 & ATT. 9.2 [QARD 1.3.3B.]. DAR 1742 incorporates DAR's 1258, 1536 & 1668.	Effective date - 03/01/96.
QAP 2.4 MAINTENANCE OF THE QARD	Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:	QARD possible changes to: 6.1 [QARD 2.2.1C & 6.2.8]. DAR 1744 incorporates DAR 1547.	Effective date - 03/01/96.
QAP 2.5 PEER REVIEW	Assigned to: YMSCO Responsible: D. Horton Preparer: _____ Revision Required ? Yes: No:	See DAR 1549.	01/19/96 - On hold.
QAP 2.6 READINESS REVIEW	Assigned to: YMSCO Responsible: W. Barnes Preparer: _____ Revision Required ? Yes: No:	See DAR 1548.	01/19/96 - On hold.

**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
QAP 2.8 SURVEILLANCE	Assigned to: YMQAD Responsible: R. Spence Preparer: C. Warren Revision Required ? Yes: X No:	QARD possible changes to: 6.1 [QARD 2.2.6 :2sA]. See DAR 1697.	Effective date - 12/08/95.
QAP 3.5 TECHNICAL DOCUMENTATION PREPARATION	Assigned to: AMA Responsible: J. Adams Preparer: S. Bodnar Revision Required ? Yes: X No:	QARD possible changes to: 3.2 [QARD 6.2.8]. This procedure is approved for cancellation.	To be superseded by YAP-5.8Q. See DAR 1933.
QAP 5.1 QUALITY ASSURANCE PROGRAM PROCEDURES	Assigned to: YMQAD Responsible: R. Spence Preparer: M. McDaniel Revision Required ? Yes: X No:	QARD possible changes to: Needs interface for RTN. [QARD 2.2.1C]. 3.2 [QARD 6.2.8]. See DAR 1645.	Effective date - 03/01/96.
QAP 6.2 DOCUMENT REVIEW	Assigned to: YMQAD Responsible: R. Spence Preparer: M. McDaniel Revision Required ? Yes: X No:	QARD possible changes to: Add criteria to Attachment 9.4 for matrix review. (Underway). [QARD 2.2.1C.4.]; 1.0, 2.0 [QARD 2.2.10.]. See DAR 1648.	Effective date - 03/01/96.
QAP 7.2 SUPPLIER EVALUATION	Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:	QARD possible changes to: Delete 5.1.2b)1) [QARD 2.2.2D. (old number)]; 5.2.1 [QARD 18.2.2C. :1s]; 5.1.2b)NOTE: [QARD 18.2.2D. (New words)]; 5.9 [QARD 18.2.2E.]. See DAR 1738.	Effective date - 01/29/96.

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
<p><b>QAP 1.1 ORGANIZATION</b></p>	<p>Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:</p>	<p>QARD possible changes to: 6.2.1f) [QARD 2.2.1C.2.]; 6.3 [QARD 1.3.2C.]; 6.4.3 [QARD 1.3.2D.]; 6.7 &amp; ATT. 9.2 [QARD 1.3.3B.]. DAR 1742 incorporates DAR's 1258, 1536 &amp; 1668.</p>	<p>Effective date - 03/01/96.</p>
<p><b>QAP 2.4 MAINTENANCE OF THE QARD</b></p>	<p>Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:</p>	<p>QARD possible changes to: 6.1 [QARD 2.2.1C &amp; 6.2.8]. DAR 1744 incorporates DAR 1547.</p>	<p>Effective date - 03/01/96.</p>
<p><b>QAP 2.5 PEER REVIEW</b></p>	<p>Assigned to: YMSCO Responsible: D. Horton Preparer: _____ Revision Required ? Yes: No:</p>	<p>See DAR 1549.</p>	<p>01/19/96 - On hold.</p>
<p><b>QAP 2.6 READINESS REVIEW</b></p>	<p>Assigned to: YMSCO Responsible: W. Barnes Preparer: _____ Revision Required ? Yes: No:</p>	<p>See DAR 1548.</p>	<p>01/19/96 - On hold.</p>
<p><b>QAP 2.7 MANAGEMENT ASSESSMENT</b></p>	<p>Assigned to: HQQAD Responsible: R. Clark Preparer: Carl Weber Revision Required ? Yes: X No:</p>	<p>QARD possible changes to: 6.3f)1) [QARD 2.2.7B.1.]; 6.3f)3) [QARD 2.2.6B.3.]; 6.3f)4) [QARD 2.2.6B.4.]; 6.3f)5) [QARD 2.2.6B.5.]. See DAR 1550 &amp; 1676</p>	<p>Effective date - 03/08/96.</p>

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Document	Reviewed/Responsible	Conclusion	Status
QAP 18.1 AUDITOR QUALIFICATION	Assigned to: YMQAD Responsible: R. Spence Preparer: C. Humphries Revision Required ? Yes: No: X	QARD possible changes to: 6.4.2 [QARD 18.2.18]. See DAR 1552.	Effective date - 03/26/96.
QAP 18.2 AUDIT PROGRAM	Assigned to: YMQAD Responsible: R. Spence Preparer: C. Warren Revision Required ? Yes: X No:	QARD possible changes to: 5.1b) [QARD 18.2.3]; 6.2 [QARD 18.2.4B.]; 6.4e) [QARD 18.2.8 :2sE.]. See DAR 1698.	Effective date - 03/01/96.
QAP 18.3 SUPPLIER SURVEYS/AUDITS	Assigned to: YMQAD Responsible: R. Spence Preparer: D. Klimas Revision Required ? Yes: X No:	QARD possible changes to: 6.3.1 [QARD 18.2.6F.]; 6.4e) [QARD 18.2.8 :2sE.]. See DAR 1787.	Effective date - 03/26/96.
AP-2.1Q TRAINING AND INDOCTRINATION	New Procedure Assigned to: OHRA Responsible: J. Bresee Preparer: D. Hendrix Revision Required ? Yes: X No:	See DAR 1740.	DAR was canceled 08/22/96.
AP-2.2Q PERSONNEL QUALIFICATION AND SELECTION	New Procedure Assigned to: OHRA Responsible: J. Bresee Preparer: D. Hendrix Revision Required ? Yes: X No:	See DAR 1739.	DAR was canceled 08/22/96.
AP-7.4Q MAINTENANCE OF THE OCRWM QUALIFIED SUPPLIERS LIST	Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:	QARD possible changes to: 2.0, 5.2a), 5.2f), 5.2g) ATT. 9.3 [QARD 2.2.1C]; 5.4 [QARD 18.2.2.C:1s]; new section [QARD 18. 2.2.D]. See DAR 1737.	Effective date - 01/29/96.

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
AP-16.1Q PERFORMANCE/ DEFICIENCY REPORTING	Assigned to: YMQAD Responsible: R. Spence Preparer: A. Rabe Revision Required ? Yes: X No:	QARD possible changes to: 5.3c), 5.3d), [QARD 16.2.3B.(old number)]; 5.2.1a), 5.2.1b), 5.3b), 5.6a) [QARD 16.2.3B.]; 6.4:1s [QARD 2.2.10]. See DAR 1762.	Effective date - 07/15/96
AP-16.2Q CORRECTIVE ACTION AND STOP WORK	Assigned to: YMQAD Responsible: R. Spence Preparer: D. Threatt Revision Required ? Yes: No: X	See DAR 1763.	Effective date - 07/15/96
AP-16.3Q TREND EVALUATION AND REPORTING	Assigned to: YMQAD Responsible: R. Spence Preparer: D. Threatt Revision Required ? Yes: No: X	See DAR 1764.	07/18/96 - PPR in comment resolution.
AP-16.4Q ROOT CAUSE DETERMINATION	New Procedure Assigned to: YMQAD Responsible: R. Spence Preparer: S. Horton Revision Required ? Yes: No: X	See DAR 1675.	Effective date - 07/15/96
YAP-2.1Q TECHNICAL ASSESSMENT	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No: X	QARD Supplement III possible changes .	N/A

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
<p>YAP-2.2Q PREPARATION, REVIEW, APPROVAL, AND REVISION OF SITE CHARACTER- IZATION PLAN STUDY PLANS</p>	<p>Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: X No:</p>	<p>QARD Supplement III possible changes. See DAR 1808.</p>	<p>09/16/96 - TW working on Draft B.</p>
<p>YAP-2.4Q DEVELOPMENT OF YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT MANAGEMENT CONTROLS REQUIREMENTS LIST</p>	<p>Assigned to: AMSL Responsible: S. Brocoum Preparer: R. Morissette Revision Required ? Yes: X No:</p>	<p>Para. 3.6. There is a conflict with QARD Glossary definitions. See DAR 1827.</p>	<p>Editorial ICN. 08/23/96 - PPR waiting for AM to sign DDF and approve RTN matrix.</p>
<p>YAP-2.6Q PARTICIPANT PLANNING SHEET PROCESS</p>	<p>Assigned to: AMSL Responsible: S. Brocoum Preparer: T. McCusker Revision Required ? Yes: X No:</p>	<p>Possible changes to: 6.2 Bullet #2 [QARD 2.2.4B]; 6.2 Bullet #3 [QARD 2.2.4C.]; 5.1.2b), 5.1.5b), 6.4e) [QARD 4.2.2A.]; 5.1.1a)6) [QARD 7.2.6B.]. See DAR 1927.</p>	<p>Effective date - 09/04/96.</p>
<p>YAP-2.7Q ITEMS CLASSIFICATION AND MAINTENANCE OF THE Q-LIST</p>	<p>Assigned to: AMSL Responsible: S. Brocoum Preparer: D. Morissette Revision Required ? Yes: X No:</p>	<p>Possible changes to: 1.0, 2.0, 3.0, 5.0, 6.0 [QARD 2.2.3A]. See DAR 1788.</p>	<p>Effective date - 05/06/96</p>

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
YAP-2.8Q TRACERS, FLUIDS, AND MATERIALS DATA REPORTING AND MANAGEMENT	Assigned to: AMSL Responsible: S. Brocoum Preparer: N. Bartley Revision Required ? Yes: No:	See DAR 1678.	Effective date - 01/05/96.
YAP-2.9Q MANAGEMENT PLAN DEVELOPMENT AND REVISION	New Procedure Assigned to: AMA Responsible: J. Adams Preparer: G. Janis Revision Required ? Yes: No:	See DAR 1172.	05/09/96 - Document being internally reviewed by J. Compton.
YAP-3.3Q PREPARATION AND SUBMITTAL OF AS-BUILT DRAWINGS AND SPECIFICATIONS	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No: X	No changes required.	N/A
YAP-3.4Q FIELD CHANGE CONTROL PROCESS	Assigned to: AMSL Responsible: S. Brocoum Preparer: S. Wright-Moncilovic Revision Required ? Yes: X No:	Possible changes to: 5.2.4e)2) [QARD 2.2.10C.] See DAR 1733.	Procedure to be canceled. On hold per PPR until YAP-5.6Q Job Packages are completed.
YAP-3.5Q CHANGE CONTROL PROCESS	Assigned to: AMSL Responsible: S. Brocoum Preparer: S. Wright-Moncilovic Revision Required ? Yes: X No:	See DAR 1772.	Effective date - 04/12/96
YAP-3.6Q PHYSICAL INTERFACE CONTROL	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: No: X	See DAR 1816.	09/09/96 - In comment resolution.

**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
YAP-3.7Q REQUEST FOR CLARIFICATION	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No: X	No change required.	N/A
YAP-5.1Q DOCUMENT DEVELOPMENT, CHANGE, REVIEW, APPROVAL AND ACCEPTANCE CONTROL	Assigned to: AMA Responsible: J. Adams Preparer: J. Zimmerman Revision Required ? Yes: X No:	Possible changes : This document will be out of date. 1.0 reference to QARD 2.2.9; 6.1.3 reference to QARD 2.2.2. See DAR 1749.	Effective date - 06/28/96.
YAP-5.2Q FORMS ADMINISTRATION	Assigned to: AMA Responsible: J. Adams Preparer: J. Zimmerman Revision Required ? Yes: X No:	See DAR 1924.	Procedure canceled. Effective 08/23/96.
YAP-5.4Q TECHNICAL FIELD WORK REQUEST	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No: X	Possible changes to: 6.1 Bullet #3 [QARD 2.2.5 :1s]. No change required.	N/A
YAP-5.5Q TEST PLANNING PACKAGE DEVELOPMENT AND IMPLEMENT- ATION	Assigned to: AMSP Responsible: S. Jones Preparer: A. Burningham Revision Required ? Yes: No: X	Possible changes to: This document is out of date. 3.1, 5.4g), 5.5.1b), 5.5.2g), 7.0, 7.1d) [QARD 6.2.8]. No change required.	N/A

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Document	Reviewed/Responsible	Conclusion	Status
YAP-5.6Q FIELD WORK ACTIVATION	Assigned to: AMSP Responsible: S. Jones Preparer: A. Burningham Revision Required ? Yes: No: X	Possible changes to: ATT.9.4 [QARD 2.2.3B. :1s]; ATT.9.4a)2) [QARD 2.2.3B. :2s]; 5.1.15a), 5.2.2NOTE: [QARD 6.2.3]; 5.3.2 [QARD 6.2.6]; 5.3.1 [QARD 6.2.8]. No change required.	N/A
YAP-6.1Q ACCEPTANCE OF CONFIGURATION ITEMS	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: This document will be out of date. 7.0 [QARD 6.2.8] See DAR 1836.	09/16/96 - TPM has not received this DAR.
YAP-6.2Q DISTRIBUTION, MAINTENANCE, AND USE OF CONTROLLED AND MANAGED DOCUMENTS	Assigned to AMA Responsible: J. Adams Preparer: L. Colehour Revision Required ? Yes: X No:	Possible changes to: 2.0 [QARD 6.2.1]. See DAR 1729.	Effective date - 11/08/95.
YAP-12.1Q OPERATION AND MAINTENANCE OF YMP PROPERTY	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: No: X	No change required.	N/A
YAP-13.1Q BOREHOLE SECURITY AND ACCESS	Assigned to: AMSP Responsible: S. Jones Preparer: S. Smith Revision Required ? Yes: X No:	See DAR 1829.	09/16/96 - In comment resolution.
YAP-15.1Q CONTROL OF NONCONFORM- ANCES	Assigned to: YMQAD Responsible: R. Spence Preparer: J. Martin Revision Required ? Yes: X No:	QARD Appendix C.2.2 possible changes to: 3.1, 6.1, 5.0 (Products). See DAR 1778.	Effective date - 03/26/96.

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
YAP-17.1Q RECORDS MANAGEMENT REQUIREMENTS AND RESPONSIBILITIES	Assigned to: AMA Responsible: J. Adams Preparer: L. Tate Revision Required ? Yes: No: X	Possible changes to: 3.9.6 [QARD 17.2.1A.2.] & [QARD 17.2.1A.6.]; 5.3.3 & ATT.9.5 [QARD 17.2.2B.]; ATT.9.5 [QARD 17.2.3B.]; ATT.9.4 [QARD 17.2.4A.]; ATT 9.4 1.b) [QARD 17.2.4B. :2s]; 5.3.2d) [QARD 17.2.7b. :1s]; new section [QARD 17.2.10].	No changes required - procedure will be canceled after OCRWM AP is approved.
YAP-17.2Q JOB PACKAGE COMPLETION AND RECORDS	Assigned to: AMEFO Responsible: R. Craun Preparer: Revision Required ? Yes: No: X	No changes required.	N/A
YAP-SII.1Q SUBMITTAL, REVIEW, AND APPROVAL OF REQUESTS FOR YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT GEOLOGIC SPECIMENS	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No: X	No changes required.	N/A

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Document	Reviewed/Responsible	Conclusion	Status
YAP-SII.2Q REQUESTING SAMPLES FOR EXAMINATION AT THE YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT SAMPLE MANAGEMENT FACILITY	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No: X	No changes required.	N/A
YAP-SII.4Q THE COLLECTION, SUBMITTAL, AND DOCUMENTATION OF NON-CORE AND NON- CUTTINGS SAMPLES TO THE SAMPLE MANAGEMENT FACILITY FOR SITE CHARACTER- IZATION	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No: X	Possible changes to: 5.1.1d) [QARD Supp.II. 2.4A]. No changes required.	N/A
YAP-SIII.1Q QUALIFICATION OF EXISTING DATA	Assigned to: AMSL Responsible: S. Brocoum Preparer: S. Bodnar Revision Required ? Yes: X No:	QARD Supplement III possible changes. See DAR 1793.	Effective date - 08/19/96.

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
YAP-SIII.2Q TECHNICAL INFORMATION FLOW TO AND FROM THE YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT TECHNICAL DATA BASE	Assigned to: AMSL Responsible: S. Brocoum Preparer: _____ Revision Required ? Yes: X No:	QARD Supplement III possible changes.	Document superseded by YAP-SIII.3Q.. 05/06/96.
YAP-SIII.3Q CONTROL AND TRANSFER OF TECHNICAL DATA ON THE YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT	Assigned to: AMSL Responsible: S. Brocoum Preparer: B. Lewis Revision Required ? Yes: X No:	QARD Supplement III possible changes. See DAR 1741.	Effective date - 05/06/96.
YAP-SIII.4Q YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT FIELD VERIFICATION OF GEOPHYSICAL LOGGING OPERATIONS	Assigned to: AMSP Responsible: S. Jones Preparer: E. Cooper Revision Required ? Yes: X No:	QARD Supplement III possible changes. See DAR 1799.	Effective date - 06/18/96.

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Document	Reviewed/Responsible	Conclusion	Status
YAP-SIII.5Q PREPARATION OF BOREHOLE GEOPHYSICAL LOGGING PROGRAMS FOR SURFACE BASED TESTING PROGRAM BOREHOLES	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No: X	QARD Supplement III possible changes. No changes required.	N/A
YAP-SIII.6Q GEOTECHNICAL CORE LOGGING	Assigned to: AMSP Responsible: S. Jones Preparer: D. Kessel Revision Required ? Yes: X No:	See DAR 1650.	07/31/96 - Waiting for DRR's to go with final for signatures.
YLP-1.1Q-YMSCO ORGANIZATION	Assigned to: AMA Responsible: J. Adams Preparer: J. Slocum Revision Required ? Yes: X No:	Possible changes to: 4.3.1 1), 4.3.1 [QARD 2.2.2A.]. See DAR 1784.	Effective date - 06/04/96.
YLP-2.1Q-YMSCO YUCCA MOUNTAIN SITE CHARACTER- IZATION OFFICE QUALIFICATION AND TRAINING	Assigned to: AMA Responsible: J. Adams Preparer: _____ Revision Required ? Yes: No:		
YLP-2.2Q-QAD REQUIREMENTS MATRIX ACCEPTANCE	Assigned to: YMQAD Responsible: R. Spence Preparer: S. Harris Revision Required ? Yes: X No:	DAR 1743.	Effective date - 12/22/95.

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**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
YLP-3.1Q-YMPO TECHNICAL DOCUMENT PREPARATION	Assigned to: AMA Responsible: J. Adams Preparer: J. Compton Revision Required ? Yes: X No:	See DAR 1933.	Procedure will be canceled after YAP-5.8Q is approved..
YLP-3.2Q-AMEFO CRITERIA FOR DOCUMENT REVIEWS CONDUCTED BY THE ASSISTANT MANAGER FOR ENGINEERING AND FIELD OPERATIONS	Assigned to: AMEFO Responsible: R. Craun Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: ATT. 9.3 :TRC2 [QARD 3.2.5B.]; ATT. 9.3 :TRC3 [QARD 3.2.5C.].	09/16/96 - Procedure being elevated for deletion.
YLP-4.1Q-YMSCO PROCUREMENT ACTIONS	Assigned to: AMA Responsible: J. Adams Preparer: D. Ridolfi Revision Required ? Yes: No:	Possible changes to:5.1.1,5.1.2 [QARD 4.2.2A.]; 6.2e)1) [QARD 7.2.6C.3.]; 6.2e)NOTE: [QARD 7.2.11B. :2s]; 5.1.1e)1) [QARD 6.2.8]. See DAR 1575.	Effective date - 05/06/96.
YLP-5.1Q-YMSCO EVALUATION OF ONGOING ACTIVITIES	Assigned to: AMSP Responsible: S. Jones Preparer: _____ Revision Required ? Yes: No: X	No change required.	N/A
YLP-5.2Q-AMA MAINTENANCE OF THE QARD PROGRAM PROCEDURES DATABASE	Assigned to: AMA Responsible: J. Adams Preparer: J. Zimmerman Revision Required ? Yes: X No:	Written to meet Supplement V. New number is YLP-SV1Q-AMA. See DAR 1734.	09/16/96- In comment resolution. Estimated completion date 10/15/96.

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Document	Reviewed/Responsible	Conclusion	Status
YLP-SI.2Q-EGG SOFTWARE QUALIFICATION - NOT DEVELOPED IAW QARD	Assigned to: AMSP Responsible: S. Jones Preparer: E. Cooper Revision Required ? Yes: X No:	QARD Supplement I possible changes. See DAR 1795.	Procedure canceled 05/28/96.
YLP-SI.3Q-EGG CONFIGURATION MANAGEMENT SYSTEMS	Assigned to: AMSP Responsible: S. Jones Preparer: E. Cooper Revision Required ? Yes: X No:	QARD Supplement I possible changes. See DAR 1796.	Procedure canceled 05/28/96.
YLP-SIII.1Q-EGG TECHNICAL DATA FLOW TO AND FROM GEOGRAPHIC NODAL INFORMATION STUDY AND EVALUATION SYSTEM TECHNICAL DATA BASE.	Assigned to: AMSL Responsible: S. Brocoum Preparer: S. Bodanr Revision Required ? Yes: No:	QARD Supplement III possible changes. See DAR 1797.	09/16/96 - Received DAR 02/15/96, expect markup 10/96.
YLP-SIII.2Q-EGG DATA FLOW TO AND FROM THE YUCCA MOUNTAIN SITE CHARACTER- IZATION PROJECT TRACERS, FLUIDS, AND MATERIALS DATABASE	Assigned to: AMSL Responsible: S. Brocoum Preparer: S. Bodanr Revision Required ? Yes: X No:	QARD Supplement III possible changes. See DAR 1794.	09/16/96 - Received DAR 02/15/96, expect markup 10/96.

**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
HLP-2.1Q VERIFICATION, INDOCTRINATION AND TRAINING OF PERSONNEL	Assigned to: OHRA Responsible: J. Bresee Preparer: N/A Revision Required ? Yes: No: X	No change required.	N/A
HLP-2.3Q QUALITY ASSURANCE CONTROLS	Assigned to: HQQAD Responsible: R. Clark Preparer: C. Weber Revision Required ? Yes: No:	Revision to draft required - incorporated during 6.2 review comment resolution.	Effective date - 07/01/96.
HLP-2.10Q HOLD POINTS	Assigned to: HQQAD Responsible: R. Clark Preparer: N/A Revision Required ? Yes: No: X	No change required.	N/A
HLP-6.1Q CONTROLLED DOCUMENTS	Assigned to: HQQAD Responsible: R. Clark Preparer: N/A Revision Required ? Yes: No: X	No change required.	N/A
HLP-7.1Q PROCUREMENT OF SERVICES	Assigned to: OHRA Responsible: J. Bresee Preparer: C. Weber Revision Required ? Yes: No: X	No changes required at this time.	N/A
HLP-17.1Q QA RECORDS MANAGEMENT	Assigned to: OHRA Responsible: J. Bresee Preparer: _____ Revision Required ? Yes: X No:	Possible changes to: 3.4, 5.1.1C)2), 5.2.2b)1) [QARD 17.2.2B.]; 6.0 [QARD 17.2.2D. :2s]; 5.1.2 [QARD 17.2.4B. :2s].	Effective date - 03/22/96.

**Procedures Potentially Impacted by QARD Revision 5**

Document	Reviewed/Responsible	Conclusion	Status
HLP-17.2Q QUALITY RECORDS CENTER OPERATION	Assigned to: OHRA Responsible: J. Bresee Preparer: C. Weber Revision Required ? Yes: X No:	Change required.	Effective date - 01/17/96
HLP-SI.1Q CONTROL OF EIA SOFTWARE	Assigned to: OWAST Responsible: S. Rousso Preparer: Craig Little Revision Required ? Yes: X No:	Change required.	Effective date - 04/15/96.

**Key:**

1. First column self explanatory.
2. Second column:
  - A. Line 1 identifies the organization responsible for the procedure.
  - B. Line 2 identifies individual responsible for review and revision of the procedure.
  - C. Line 3 identifies individual responsible for preparing the revision.
  - D. Line 4 indicates, based on review, whether or not the procedure requires revision due to QARD Rev. 5 changes.
3. Third column:
  - A. Identifies possible changes to a specific paragraph in the procedure (i.e. QAP 1.1 paragraph 6.2.1) and the location in the QARD which resulted in the change being needed (i.e. [QARD 2.2.1C.2])
  - B. Identifies outstanding DARs related to the procedure. If procedure requires revision due to QARD Rev.5 changes, these DARs should be considered for incorporation

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ENCLOSURE 5

As of November 1, 1996, the following five (5) YMSCO procedures have not been revised/developed to address the changes required as a result of Revision 5 to the QARD:

1. YAP-6.1Q, Acceptance of Configuration Items  
Responsible AM: R. Craun  
Scheduled completion date: December 9, 1996  
DAR 1836 was to delete reference to YAP 5.2Q and update organization charts.
2. YLP-3.2Q-AMEFO, Criteria for Document Reviews Conducted by the AMEFO  
Responsible AM: R. Craun  
Scheduled completion date: January 6, 1997  
Document to be cancelled.
3. YLP-SIII.1Q-EGG, Technical Data Flow To & From Geographic Nodal Information Study & Evaluation System Technical Data Base  
Responsible AM: S. Brocoum  
Scheduled completion date: May, 1996  
Superseded by updated YAPSIII.3Q
4. YLP-SIII.2Q-EGG, Data Flow To & From the YMSCP Tracers, Fluids, & Materials Data Base  
Responsible AM: S. Brocoum  
Scheduled completion date: May, 1996  
Superseded by updated YAPSIII.3Q
5. YAP-SV.1Q, Control of Electronic Management of Data  
Responsible AM: J. Adams  
Scheduled completion date: February 28, 1997

OFFICE OF CIVILIAN  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

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PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions: *SEE response letter dated 11/18/96, Barnes to Horton.*

15 Extent of Condition: (Not required for PR) *SEE response letter dated 11/18/96, Barnes to Horton.*

16 Root Cause Determination: (Not required for PR)

Required

Yes

No

17 Action to Preclude Recurrence: (Not required for PR)

Required

Yes

No

18 Corrective Action Completion Due Date:

*11/18/96*

19 Response by:

Initial

Amended

Date *11/18/96*

Phone

20 Response Accepted

OAR *JAMES GEORGE/George* Dillo *7/23/97*

21 Response Accepted (N/A for PR):

ADQAM

*R.W. Cep* Date *8/20/97*



**Department of Energy**  
Office of Civilian Radioactive Waste Management  
Yucca Mountain Site Characterization Office  
P.O. Box 98608  
Las Vegas, NV 89193-8608  
NOV 18 1996



D. G. Horton, Director  
Office of Quality Assurance  
U.S. Department of Energy  
Office of Civilian Radioactive  
Waste Management  
P.O. Box 98608  
Las Vegas, NV 89193-8608

**OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM) DEFICIENCY REPORT (DR) NUMBER YM-96-D-096, SEPTEMBER 18, 1996**

The OCRWM Yucca Mountain Site Characterization Office (YMSCO) has evaluated the subject DR and determined that the associated, reported condition adverse to quality does not exist.

For ease of reference the following information found in Blocks 5 and 6 of DR YM-96-D-096 is provided:

Block 5, "Requirement/Measurement Criteria," cites Subsection 2.2.1 B.4. of the Quality Assurance Requirements and Description document (QARD, DOE/RW-0333P), Revision 5, which states "Each Affected Organization shall review revisions to the QARD and incorporate necessary changes into its implementing documents, as appropriate."

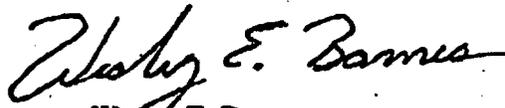
Block 6, "Description of Condition," states "Contrary to the cited requirement, no objective evidence could be produced to show that YMSCO had completed the required reviews of Revision 5 of the QARD to determine and incorporate required changes into implementing documents since Revision 5 became effective in October 1995."

The YMSCO determination that no condition adverse to quality exists in this area is based on the results of a YMSCO investigation of the reported condition, including a review of associated documentation. These results indicate there is objective evidence available that apparently was not provided to the auditors that demonstrates the required YMSCO reviews for impact of Revision 5 of the QARD on existing implementing documents (i.e., procedures) which were completed in a timely manner, and the procedures requiring revisions as a result of changes in Revision 5 of the QARD had been identified. Additionally, a determination of the need for new procedures required as a result of Revision 5 of the QARD was accomplished.

There is also documentation available relating to such topics as the assignment of YMSCO personnel responsible for effecting required revisions to existing procedures impacted by the

As the contents of the enclosed documentation demonstrate, YMSCO has been and continues to be fully cognizant of its responsibility to ensure YMSCO procedures are maintained current in regard to the applicable requirements specified in the latest version of the QARD. It was the intent of YMSCO to have all required procedures revised/developed no later than the beginning of the current fiscal year; however, this effort was significantly impacted by the reduction in contractor force occurring in September 1995 and the reorganization of the YMSCO. The aforementioned YMSCO investigation into this matter indicates that there has been no adverse impact as a result of not having all required YMSCO procedures revised/developed to date.

If you have any questions regarding the YMSCO effort to update/develop the appropriate procedures to comply with the current version of the QARD, please contact Robert V. Barton at 794-1455.



Wesley E. Barnes  
Project Manager

AML:JRC-0314

Enclosures: (NOT RECORD MATERIAL)  
As stated

cc w/encls:

R. W. Clark, DOE/HQ (RW-3.1)FORS  
J. S. Martin, OQA/QATSS, Las Vegas, NV

cc w/o encls:

J. J. George, OQA/QATSS, Las Vegas, NV  
D. G. Sult, OQA/QATSS, Las Vegas, NV  
D. G. Horton, DOE/OQA, Las Vegas, NV  
R. E. Spence, DOE/YMSCO, Las Vegas, NV  
W. E. Barnes, DOE/YMSCO, Las Vegas, NV  
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PR/DR CONTINUATION PAGE

VERIFICATION OF CORRECTIVE ACTION IMPLEMENTATION

The following actions were performed to verify completion of actions required for closure of this deficiency:

- Based on the evaluation of the responsible organization's response, including review of the associated supporting documentation supplied by the responsible organization, their determination that no condition adverse to quality existed, based on the results of their investigation, is found to be acceptable.
- Also, if such supporting documentation had been available during the audit, the subject deficiency would not have been initiated.
- No further action is required for this deficiency, and it is considered closed.

Verified by: James George / *James George* Date: 7/23/97