

Effectivity Date 5-15-92

Procedure for Directing Work.
(Previous Process was Tec. Directive It's)

YMP-053-R0
7/12/91

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 2 of 22

1.0 PURPOSE AND SCOPE

1.1 PURPOSE

To delineate the use of Technical Directives (TDs) by the Yucca Mountain Site Characterization Project Office (YMPO) for establishing or changing procurement quality requirements for quality-affecting work that is being/is to be performed by a Yucca Mountain Site Characterization Project (YMP) Participant or contractor currently under an existing U.S. Department of Energy (DOE) contract.

To ensure appropriate requirements of the Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance Requirements Document (QARD) and the Quality Assurance Program Description Document (QAPD) relating to procurement document control are applied to TDs.

1.2 SCOPE

To establish the methodology and responsibilities for preparing, reviewing, concurring/approving, revising, and transmitting YMPO generated TDs.

2.0 APPLICABILITY

The controls delineated in this procedure apply to YMPO personnel who prepare, review, concur/approve, revise, or transmit TDs.

3.0 DEFINITIONS

NOTE: Terms in this procedure are used as defined in the YMP and QARD Glossaries. The following additional definitions are adopted for the purposes of this procedure.

3.1 PROCUREMENT QUALITY REQUIREMENTS

Procurement quality requirements as applied to a DOE contractual document (e.g., inter-agency agreement, management agreement, memorandum of understanding, grant, contract, etc.) encompass a statement of scope of work to be performed; technical requirements including the identification of hold points and acceptance criteria; quality assurance (QA) program requirements; right of access requirements; documentation and QA records requirements; and nonconformance control requirements.

3.2 QUALITY-AFFECTING WORK

As used in this procedure, the term quality-affecting work (hereafter referred to as work or activities) encompasses only those activities that:

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 3 of 22

- A. Are listed in the current edition of the YMP Quality Activities List (QAL), YMP/90-56, or activities that relate to items listed in the current edition of the YMP Quality List (Q-List), YMP/90-55; or
- B. Have not been subjected to the YMP QA grading process in accordance with Administrative Procedure (AP)-5.28Q, Quality Assurance Grading; or
- C. Have not been subjected to the YMP determination of importance process in accordance with AP-6.17Q, Determination of the Importance of Items and Activities; or
- D. For which the appropriate organization's QA program that will control the activities has not been formally identified.

3.3 TECHNICAL DIRECTIVE

A TD is a document that is utilized by YMPO to establish or change, as appropriate, procurement quality requirements for work that is to be or is being performed by a YMP Participant or contractor (hereafter referred to as responsible supplier in this procedure) currently under an existing DOE contract.

A formal agreement (e.g., management agreement, etc.) between YMPO and the DOE Field Office, responsible for the administration of the contract with the affected responsible supplier, must be in effect prior to the use of TDs. This agreement shall encompass the work to be addressed in the TD, identify the applicable QA program in broad terms (i.e., QARD), and provide for the YMPO TD process.

4.0 RESPONSIBLE PARTIES

The following individuals or organizations are responsible for activities identified in Section 5.0 of this procedure.

1. Cognizant Division Director (DD), including the Director, Yucca Mountain Quality Assurance Division, as applicable.
2. Technical Directive Author (TD Author)
3. Director, Yucca Mountain Quality Assurance Division (YMQAD)
4. Cognizant YMPO Technical Organization Assigned Reviewer
5. YMQAD Assigned Reviewer
6. YMP Project Manager

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 4 of 22

5.0 PROCEDURE

NOTE: A flowchart of the following processes described in this procedure is attached as Figure 1.

RESPONSIBLE PARTY	STEPS	PROCEDURE
Cognizant DD	1.	Assign an individual (i.e., TD Author) to prepare a TD (see Attachment 1, Technical Directive Form, and Attachment 2, TD Continuation Page Form).
TD Author	2.	Develop a TD to establish or change, as appropriate, procurement quality requirements relating to quality-affecting work that is being or will be performed. See Attachment 3, Instructions For Completing The Technical Directive Form. Include the following: <ul style="list-style-type: none"> a. The identification number of the contractual document between the DOE and the responsible supplier under which the work is being or will be performed. b. The appropriate Work Breakdown Structure (WBS) number for the work addressed in the TD followed by a "Y" to indicate the document is a TD. c. Reference to the latest edition (i.e., revision) of the YMP Q-List or YMP QAL, as appropriate, and the specific WBS number appearing on the YMP Q-List or YMP QAL which includes the work addressed in the TD. d. The QA Grading Package identification number with revision level indicator applicable to the work addressed in the TD.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 5 of 22

RESPONSIBLE PARTY

STEPS

PROCEDURE

TD Author

- e. The identification of the QA program that applies specific QA requirements and controls to the work that is being/or will be performed.

NOTE: If the approval of QA Grading Package, determination of the importance items and activities, or the formal identification of the applicable QA program has not been accomplished, include for information a schedule for completing these actions prior to the performance of activities affecting quality. When these actions are completed, a revision to the original TD shall be processed in accordance with this procedure and transmitted to the responsible supplier. TD revisions shall be identified with the same number as the TD being revised suffixed with "-1" for the first revision, "-2" for the second, etc.

- f. A statement of the specific scope of work to be performed by the responsible supplier.
- g. Technical requirements; including the identification of hold points (at which predetermined limits the work shall not proceed until formally authorized by YMPO), and acceptance criteria for services provided.
- h. QA program requirements.
- i. The right of YMPO or YMPO designated/authorized parties access to the responsible supplier's facilities and records for verification, such as surveillance and/or audit.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 6 of 22

RESPONSIBLE PARTY

STEPS

PROCEDURE

TD Author

j. The identification of documentation required to be submitted and the time of submittals by the responsible supplier to YMP0 for information, review and/or approval, and QA records requirements, including provision for maintenance and disposition.

k. (Optional) YMP0's requirements for the responsible supplier to report supplier nonconformances to YMP0 and/or provide YMP0 copies of supplier generated nonconformance reports for YMP0 review and approval of proposed dispositions.

NOTE 1: A change in the scope of work limited to quantity only (e.g., perform 3 surveys instead of 2 surveys each month, etc.); schedule or funding that does not impact any other procurement quality requirement does not constitute a need for a TD to be generated.

NOTE 2: When the scope of work includes the transitioning of responsibilities, for the performance of an activity from one responsible supplier to another, a transition planning document shall be developed in accordance with approved YMP procedures, committed to by all affected parties, and include the information listed in Attachment 4, Transition Planning Document Contents.

3. Obtain the next available TD identification number from the YMQAD and enter it in the appropriate block of the TD. (Go to Step 5).

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 7 of 22

RESPONSIBLE PARTY	STEPS	PROCEDURE
TD Author	NOTE:	TD identification numbers consist of the name of the responsible supplier, the last two digits of the calendar year that the identification number is assigned, and a 3-digit sequential number beginning with "-001" (e.g., REEC0-92-001, REEC0-92-002, etc., RSN-92-001, RSN-92-002, etc., LANL-92-001, etc.).
	4.	Resolve concerns and deficiencies relating to the TD that were identified during the TD review, concurrence and approval process. Forward the updated TD to the Cognizant YMPO Technical Organization Assigned Reviewer. If the TD relates to QA issues only, forward the TD to YMQAD Assigned Reviewer.
	5.	Sign and date the block designated as "Author" on the TD, and forward the TD to the Cognizant DD. If the TD relates only to QA issues, forward the TD to the Director, YMQAD.
Cognizant DD (other than the Director, YMQAD)	6.	Forward the TD to an individual other than the Author in the cognizant YMPO technical organization to review the TD for technical adequacy.
	NOTE:	Personnel performing the reviews in Steps 7 and 10 shall be qualified in accordance with QMP-02-01, YMPO Indoctrination and Qualification Training, requirements to perform the reviews. In addition, these individuals shall have access to pertinent background information, and have an adequate understanding of the requirements and intent of the TD.
Cognizant YMPO Technical Organization Assigned Reviewer	7.	Review the TD to determine if appropriate technical requirements and provisions (e.g., applicable regulatory, design basis, study plans and other technical information) have been included and correctly stated to

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 8 of 22

RESPONSIBLE PARTY	STEPS	PROCEDURE
Cognizant YMPO Technical Organization Assigned Reviewer		<p>ensure that the work being performed, or to be performed, will meet the specified requirements. Technical concerns or deficiencies identified by the reviewer shall be resolved with the Author and Cognizant DD. If changes to the TD are necessary to resolve technical concerns or deficiencies, go to to Step 4. When the reviewer has determined that the technical aspects of the TD are adequate, correct, and complete, sign and date the TD to indicate concurrence. Forward the TD to the Cognizant DD.</p> <p>NOTE: Disputes involving QA issues, arising as the result of reviews performed in this procedure, shall be brought to the attention of YMPO management and, if not resolved, elevated to progressively higher levels of management to the Director, Office of QA, and, if necessary, to the Director, OCRWM.</p>
Cognizant DD (other than the Director, YMQAD)	8.	Review the TD to ensure the Author and assigned reviewer have signed and dated the TD. Return to Step 4 if concerns exist, or sign and date the TD to indicate concurrence and forward the TD to the Director, YMQAD.
Director, YMQAD	9.	Forward the TD to an individual other than the Author, as appropriate, in the YMQAD organization to review the TD.
YMQAD Assigned Reviewer	10.	Review the TD to ensure it has been prepared in accordance with this procedure. Ensure adequate, correct, and complete procurement quality requirements have been identified. Verify that the referenced QA program encompasses the specific work described in the TD. Ensure a formal agreement (see Section 3.3) between YMPO and the Cognizant DOE Field Office is in effect. When applicable, return to Step 4 to resolve QA concerns or deficiencies with the Author and Cognizant DD. When the

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 9 of 22

RESPONSIBLE PARTY	STEPS	PROCEDURE
YMQAD Assigned Reviewer		TD is determined to be acceptable, sign and date the TD to indicate concurrence with the adequacy, completeness, and correctness of the QA aspects of the TD. Forward the TD to the Director, YMQAD.
Director, YMQAD	11.	Review the TD to ensure the Author has signed and dated the TD, and that the TD has been reviewed and concurred with by the cognizant YMPO technical organization, as appropriate, and YMQAD. If concerns with any aspect of the TD exist, return to Step 4. If no concerns exist, sign and date the TD to indicate concurrence. Forward the TD to the YMP Project Manager.
YMP Project Manager	12.	If concerns with any aspect of the TD exist, return to Step 4. If no concerns exist, sign and date the TD to indicate approval. Return the TD to the Cognizant DD.
Cognizant DD	13.	Transmit the TD, under cover letter, to the responsible supplier's Technical Project Officer (TPO) or to the Cognizant DOE Field Office for subsequent transmittal to the responsible supplier as required by the appropriate management agreement. Provide a copy of the TD to the Cognizant DD; Director, YMQAD; Project and Operations Control Division; and other affected YMPO DDs.

NOTE 1: When the TD is transmitted directly to the responsible supplier's TPO, provide the Cognizant DOE Field Office a copy of the TD. When the TD is transmitted to the Cognizant DOE Field Office for subsequent transmittal to the responsible supplier, provide the responsible supplier's TPO a copy of the TD.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 10 of 22

<u>RESPONSIBLE PARTY</u>	<u>STEPS</u>	<u>PROCEDURE</u>
Cognizant DD	NOTE 2:	The cover letter shall be identified with the same WBS number as the corresponding TD. The Cognizant DD is authorized to issue the TD cover letter under his/her signature and no other YMPO concurrences of the cover letter are required.
	14.	Forward a copy of the TD to the Local Records Center in accordance with AP-1.18Q, Records Management: Las Vegas Record Source Implementation.

6.0 REFERENCES

NOTE: Refer to the latest revision of the documents listed below unless otherwise stated.

6.1 REQUIREMENTS DOCUMENTS

OCRWM Quality Assurance Requirements Document, RW-0124

OCRWM Quality Assurance Program Description Document, RW-0215

6.2 INTERFACE DOCUMENTS

AP-1.18Q, Records Management: Las Vegas Record Source Implementation

AP-5.28Q, Quality Assurance Grading

AP-6.17Q, Determination of the Importance of Items and Activities

QMP-02-01, YMPO Indoctrination and Qualification Training

YMP Quality List, YMP/90-55

YMP Quality Activities List, YMP/90-56

7.0 FIGURES AND ATTACHMENTS

Figure 1, QMP-04-03 Flowchart

Attachment 1, Technical Directive Form

Attachment-2, Technical Directive Continuation Page Form

YMP-053-R0
7/12/91

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 11 of 22

Attachment 3, Instructions for Completing the Technical Directive Form

Attachment 4, Transition Planning Document Contents

8.0 RECORDS

Approved TDs generated as a result of implementing this procedure are considered QA records and shall be submitted to the LRC in accordance with AP-1.18Q.

The TD cover letter is a non-QA record.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 12 of 22

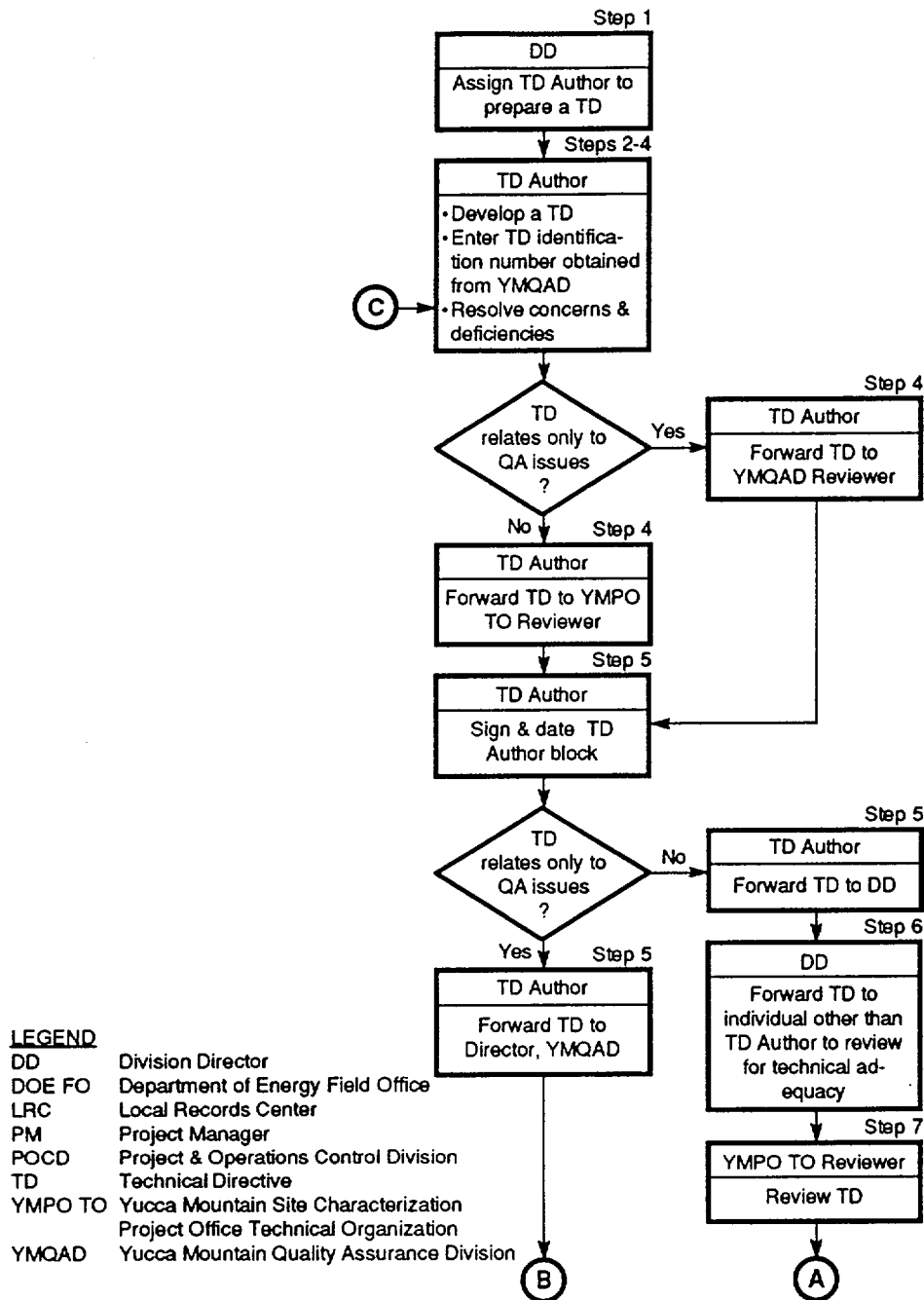


Figure 1 - QMP-04-03 Flowchart

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 13 of 22

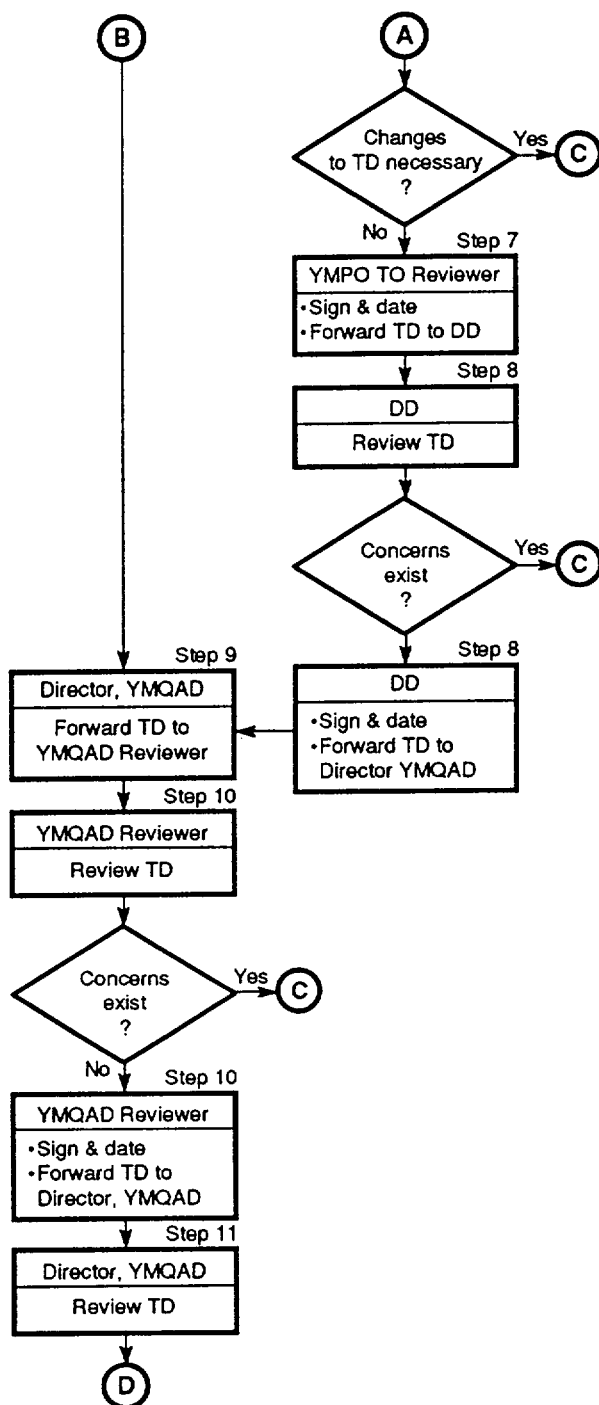


Figure 1 - QMP-04-03 Flowchart (continued)

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 14 of 22

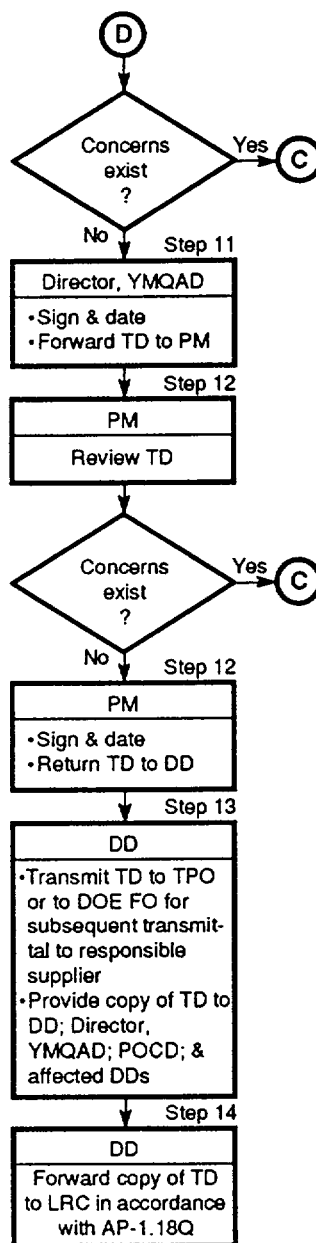


Figure 1 - QMP-04-03 Flowchart (continued)

YMP-053-R0
7/12/91

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 15 of 22

4/22/92

YMP-097-R0		YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT TECHNICAL DIRECTIVE		³ WBS NO. _____
				PAGE _____ of _____
¹ RESPONSIBLE SUPPLIER		² TD NO. _____ Rev. _____		
⁴ DOE CONTRACTUAL DOCUMENT NO.	⁵ Q/QAL LIST _____-List Revision No. _____ WBS No. _____			
⁶ GRADING REPORT NO. & REVISION	⁷ QA PROGRAM DESCRIPTION DOCUMENT (Organization) ID No. Revision No.			
PROCUREMENT QUALITY REQUIREMENTS				
⁸ SCOPE OF WORK				
⁹ TECHNICAL REQUIREMENTS				
¹⁰ QA REQUIREMENTS				
¹¹ AUTHOR				
_____ Print Name		_____ Organization		
_____ Signature		_____ Date		
¹² CONCURRENCE				
a. _____ Print Name of Technical Organization Reviewer		c. _____ Print Name of YMQAD Reviewer		
_____ Technical Organization Reviewer		_____ YMQAD Reviewer		
_____ Date		_____ Date		
b. _____ Print Name of Cognizant Division Director		d. _____ Print Name of YMQAD Director		
_____ Cognizant Division Director		_____ YMQAD Director		
_____ Date		_____ Date		
¹³ APPROVAL				
_____ Print Name of Project Manager		_____ Project Manager		
_____ Date		_____ Date		

QMP-04-03

Attachment 1 - Technical Directive Form

YMP-053-R0
7/12/91

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 16 of 22

4/22/92

YMP-097-R0

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT TECHNICAL DIRECTIVE CONTINUATION SHEET

TD NO.

— — Rev. —

PAGE — of —

QMP-04-03

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 17 of 22

INSTRUCTIONS FOR COMPLETING THE TECHNICAL DIRECTIVE (TD) FORM

1. Responsible Supplier Enter the name of the organization that is responsible to perform the work.
2. TD Identification Number Enter the name of the responsible supplier (abbreviated with no more than 5 letters), the last two digits of the current year, and the next available three-digit number for the responsible supplier (e.g., RSN-92-001, etc.). Enter Revision "0" for the original version of the TD, Revision "-1" for the first change to the TD, etc.
3. WBS Number Enter the WBS number that includes the work being addressed in the TD. Add a "Y" at the end of the WBS number.
4. DOE Contractual Document Number Enter the identification number of contractual document between DOE and the responsible supplier under which the work addressed in the TD will be performed.
5. Q/QAL List Enter the list (Q or QAL) that the work addressed in the TD appears, enter the revision level of this list, and enter the WBS number that appears on this list corresponding to the work addressed in this TD.
6. Grading Report Number and Revision Enter the Grading Report number and revision for the work addressed in this TD.
7. QAPD Document Enter the following information relating to the QAPD that provides the QA controls and requirements for the work addressed in this TD:
 1. The name of organization responsible for issuing the QAPD
 2. The identification number of the QAPD
 3. The revision level of the QAPD currently in effect

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 18 of 22

8. Scope of Work

Enter a statement of the specific scope of the work to be performed by the responsible supplier.

9. Technical Requirements

Specify technical requirements by reference to specific study plans, drawings, specifications, codes, standards, regulations, procedures, or instructions, including revision thereto that describe the services to be furnished. Identify test and acceptance requirements, if applicable.

10. QA Requirements

Specific requirements shall be provided or referenced on the TD for each of the following 4 areas:

a. Quality Assurance Program Requirements

The TD shall require that the responsible supplier have a documented QA program that adequately addresses the scope of work and the requirements of this TD; or, authorize the responsible supplier to work under the umbrella of the OCRWM QA Program, when the scope of the activity is adequately addressed therein. When the responsible supplier is directed to work under the umbrella of the OCRWM QA Program, the TD shall identify those portions of the OCRWM QAPD that are applicable to the responsible supplier's work efforts.

For example, responsible supplier XYZ shall perform the scope of work delineated in this TD in accordance with the requirements provided in the OCRWM Quality Assurance Program Description Document (RW-0215), Rev. 3, Sections 1, 2, 5, 6, 11, 12, 15, 16, 17, and 18.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 19 of 22

b. Right of Access Requirements

Stipulate that the responsible supplier shall provide for access to the responsible supplier's plant facilities and QA records for surveillance or audit by YMPO, YMPO designated representatives, and/or other parties authorized by YMPO.

For example, responsible supplier XYZ shall provide for access to its facilities and to the QA records relating to the scope of work in this TD for surveillances and audits conducted by YMPO. No prior formal notification of responsible supplier XYZ by YMPO regarding the schedule for YMPO audits and surveillances is required.

c. Documentation and QA Records Requirements

Identify the documentation required to be submitted to YMPO for information, review, and/or approval. The time of submittal shall also be established. Identify the retention times and disposition requirements for QA records that are to be maintained by the responsible supplier. For example,

- 1) Responsible supplier XYZ shall submit the results of all tests to YMPO for review and acceptance. These submittals shall be provided to YMPO by September 15, 1992.
- 2) The QA records which responsible supplier XYZ shall generate and maintain are as identified in procedure RS-XYZ-001, Rev. 0. Within thirty days of the completion of the final test (Test No. 4), submit all QA records identified in RS-XYZ-001, Rev. 0 to YMPO.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 20 of 22

d. Nonconformance Control Requirements

Specify the YMPO requirements, if any, for the responsible supplier to report supplier nonconformances and/or provide copies of supplier generated nonconformance reports to YMPO for YMPO review and approval of proposed dispositions.

For example, nonconformance reports generated by responsible supplier XYZ in accordance with RS-XYZ-015, Rev. 0, shall be provided to YMPO for information within thirty days of the completion of all tests (1 through 4).

11. Author

The author of the TD shall sign/date this block and enter his/her organizational title.

12. Concurrence

- a. The reviewer from the cognizant YMPO technical organization shall sign/date this block when he/she determines that the technical aspects of the TD are adequate, correct, and complete.

When the TD relates only to QA issues, the TD Author shall enter "N/A" in this block.

- b. The Cognizant DD shall sign/date this block.

When the TD relates only to "QA issues, the TD Author shall enter "N/A" in this block.

- c. The reviewer from the YMQAD shall sign/date this block when he/she has determined that the QA aspects of the TD are adequate, correct, and complete.

- d. The Director, YMQAD shall sign/date this block.

YMP-053-R0
7/12/91

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 21 of 22

13. Approval

The YMP Project Manager shall sign/date this block prior to transmittal of the TD to the responsible supplier.

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT PROCEDURE

Procedure No.: QMP-04-03
TECHNICAL DIRECTIVES

Revision:
0

Page 22 of 22

TRANSITION PLANNING DOCUMENT CONTENTS

The Transition Planning Document shall include the following, as a minimum:

1. Workscope to be transitioned.
2. Timetable for transition.
3. Plans for manpower transitions and new hires.
4. Schedule for development of applicable procedures.
5. Schedule for personnel training.
6. Acquisition of facilities and equipment.
7. Interim directives needed to facilitate the transition (e.g., between February 1, 1992, and March 3, 1992, do not transmit any QA records to the Local Records Center because of...).
8. Status of the QA program area for workscope to be transitioned.
9. Agreement from affected parties that they can meet the schedule and resource commitments needed to complete the transition.
10. Identification of the persons and organizations who are responsible for being record sources before and after the transition.
11. Schedule for a readiness review.

YMP-054-R0
7/12/91

YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT OFFICE
DOCUMENT APPROVAL SHEET

Title

TECHNICAL DIRECTIVES

NO. QMP-04-03

☒ Q

☐ Non Q

APPROVAL

THIS IS A
RED STAMP

PROJECT MANAGER:

Maxwell Blanchard
Signature

Date

4-15-92

DIRECTOR OF QUALITY ASSURANCE:

Catherine Hampton
Signature

Date

4/14/92

N/A
(OTHER, AS REQUIRED)

N/A
Signature

N/A
Date

REVISION 0 EFFECTIVE DATE: May 15, 1992

REVISIONS

INITIAL AND DATE

REVISION 1

REVISION 2

REVISION 3

REVISION 4

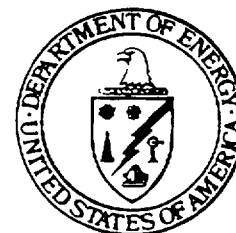
PROJECT MANAGER:

DIRECTOR, QA:

(OTHER, AS REQUIRED)

EFFECTIVE DATE:

~~4-15-92~~



Page 1 of 13

TRAINING REQUIRED

☐ YES

☒ N/A

NUMBER OF DAYS REQUIRED FOR TRAINING N/A

COMMENTS: NEW DOCUMENT. TRAINING WILL BE
AFFORDED UPON REQUEST

W. McFarthy
TRAINING OFFICER/ TRAINING MANAGER

4-15-92
DATE



Department of Energy
Yucca Mountain Site Characterization
Project Office
P. O. Box 98608
Las Vegas, NV 89193-8608

*Planned
Readiness Review*
WBS 1.2.9
QA

MAY 04 1992

John W. Bartlett, Director, Civilian Radioactive Waste Management,
HQ (RW-1) FORS

SEMIANNUAL STATUS ON PLANNED READINESS REVIEWS FOR THE YUCCA MOUNTAIN SITE
CHARACTERIZATION PROJECT OFFICE (YMPO)

This letter provides a semiannual status on planned readiness reviews for
YMPO as required by the Office of Civilian Radioactive Waste Management,
Quality Assurance Program Description document (DOE/RW-0215, Revision 3),
Section 2.1.7 and the rationale for management decisions affecting readiness
reviews previously identified in my letter dated October 31, 1991.

The readiness review was completed for the first drillhole to be drilled
using the LM-300 drill rig.

The following readiness reviews are anticipated this year:

1. Start of Waste Package Advanced Conceptual Design (ACD) August 1992
2. Start of Repository ACD August 1992
3. Civilian Radioactive Waste Management System Management
and Operating Contractor Configuration Management September 1992

If you have any questions, please contact Robert V. Barton at (702) 794-7957.

Carl P. Gertz
Carl P. Gertz
Project Manager

YMP:RVB-3272

CC:
D. K. Chandler, SAIC, Las Vegas, NV
M. D. Voegelé, SAIC, Las Vegas, NV