YUCCA MOUNTAIN PROJECT DOCUMENT TRANSMITTAL/ACKNOWLEDGMENT RECORD

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| DOCUMENT REVISION: 37 DO | OCUMENT IDENTIFICATION NUMBER: YMPO/88-1 |
| | DIRECTIONS |
| | ontents, Rev 36, dated 08/22/90, with ontents, Rev 37, dated 09/12/90. |
| | MP-03-01 Peer Reviews, Rev 1, dated front of ICN #2 to QMP 03-01. |
| | CONTROL OF NONCONFORMANCES, Rev 1, dated th Rev 2, dated 9/29/90 |
| REMOVE: ICN #1 to QM | 1P-15-01, dated 4/24/90. CC: S. Contemp: EiD |
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| QMP-02-01 | . 1 | | In Preparation |
| QMP-02-01 | | Qualification, Proficiency, Indoctrination, and Training of Waste Management Project Personnel | 1 (9/2/88) |
| QMP-02-02 | 1 | | (9/7/89) |
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| QMP-03-07 | | Software Documentation Control and Review | In Preparation |
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APPROVAL

PROJECT MANAGER:

M. R. Kunich

10/29/84

Signature

Date

DIRECTOR OF QUALITY ASSURANCE: ___John Rinaldi

11/19/84

Signature

Date

QASC QA Manager

S. H. Klein

10/16/84

(OTHER, AS REQUIRED)

Signature

Date

REVISION 0 EFFECTIVE DATE: ____

12/10/84

REVISIONS

INITIAL AND DATE

REVISION 1

REVISION 2

REVISION 3

REVISION 4

PROJECT MANAGER:

M. E. Spaeth

5/16/88

DIRECTOR, QA:

James Blaylock

5/23/88

9/4/9D

WMPO Project Man. M. R. Kunich (OTHER, AS REQUIRED)

5/18/88

EFFECTIVE DATE:

5/27/88



YUCCA MOUNTAIN PROJECT PROCEDURE

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

1.0 PURPOSE AND SCOPE

1.1 PURPOSE

This procedure establishes the Yucca Mountain Project Office (Project Office) method for the identification, segregation, documentation, evaluation, notification, disposition, and verification of corrective action of nonconforming items as required by AP-5.27Q, Control of Nonconforming Items and Office of Civilian Waste Management (OCRWM) Quality Assurance (QA) Requirements Document and Section 15 of the OCRWM Quality Assurance Program Description Document (QAPD). Stop Work actions and Corrective Action Reports (CARs) justified by nonconformances shall be controlled by QMP-01-02, Stop Work and QMP-16-01, Corrective Action, respectively.

1.2 SCOPE

This procedure also describes the system for the Project Office review and approval of nonconformance reports (NCRs) submitted by Project Participants, Nevada Test Site (NTS) and Project Office Support Contractors (Contractors) to the Project Office as required by Administrative Procedure, AP-5.27Q. These interactions are described in Section 5, Steps 11 and 12.

2.0 APPLICABILITY

This procedure applies to Project Office items which have been identified by Project Office personnel as nonconforming and to Project Office review and approval of NCR actions which are submitted by a Participant or Contractor.

It applies to the control of nonconforming items identified at a supplier's facility dispositioned Use-As-Is or Repair which are covered by QMP-07-03, Control of Purchased Items and Services, and to nonconformances of purchased items identified during receiving inspection, acceptance testing or installation.

It does not apply to CARs resulting from nonconformances considered to be Significant Conditions Adverse to Quality (SCAQs), which shall be processed in accordance with QMP-16-01, "Corrective Action Requests. This procedure does assign the responsibility for deciding if CARs are appropriate because of nonconformances, to the managers and QA personnel involved in the nonconformance process.

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

3.0 DEFINITIONS

NOTE: Terms in this procedure are used as defined in OCRWM QA Requirements and Program Description Documents or the Project Glossary. The following additional definitions are adopted for the purposes of this procedure.

3.1 REJECT/SCRAP

The disposition that is authorized when the nonconforming item cannot be reworked or repaired and is considered unacceptable for its intended use. Reject may include the return of an item to its original supplier.

3.2 REPAIR

The process of restoring a nonconforming item to a condition such that the capability of the item to function reliably and safely is unimpaired, even though the item still does not conform to the original requirements.

3.3 VERBAL DISPOSITION

The judicious use of verbal communication subsequently documented, to expedite the disposition of a nonconforming item when it is essential to work flow.

3.4 PROJECT OFFICE PERSONNEL

Any Project Office staff member assigned to the Project.

3.5 DISPOSITIONERS

A Dispositioner is any Project Office staff member assigned through documentation by Project Office Division Directors to determine appropriate dispositions of nonconformances. Dispositioners shall have demonstrated competence in the specific areas they are evaluating, have an adequate understanding of the requirements, and have access to pertinent background information.

4.0 RESPONSIBLE PARTIES

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

- 1. Project Office Personnel
- 2. Director, Quality Assurance (DQA)/Designee

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

- 3. QA Division Personnel (QA Personnel)
- 4. Division Directors (DD)
- 5. Dispositioner

Dispositioner shall be assigned through documentation by Project Office.

6. Yucca Mountain Site Manager (YMSM)

5.0 PROCEDURE

NOTE: The steps described in this section are illustrated in Figure 1, Flowchart of Project Office Nonconforming Items Process.

NOTE: DDs and the DQA may delegate the following responsibilities and authorities. This delegation must be documented. Personnel authorized to approve dispositions shall have their signatures documented.

RESPONSIBLE PARTY

STEPS PROCEDURE

INITIATING NONCONFORMANCE REPORTS

Project Office Personnel (Originator)

1. Identify a nonconforming item and inform a supervisor and/or Project Office QA Personnel of the nonconformance.

The supervisor must relay the concern to QA personnel.

OA Personnel (Initiator)

2. Initiate a Nonconformance Report
(Attachment 1) by obtaining an NCR
number from the QA Administrative
Assistant (QAAA), who enters NCR in the
Nonconformance Log. Apply a Hold Tag
(Attachment 2) or similar device to
prevent further processing, installation
or use of the nonconforming item.

Ensure identification method used does not adversely affect the end use of the item and will include the NCR number. Ensure that when practical, non-conforming items will be segregated by placing them in a clearly identified hold area until dispositioned. If

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

RESPONSIBLE PARTY

STEPS PROCEDURE

segregation is impractical or impossible because of physical conditions such as size, weight or access limitations, other visible precautions shall be used to preclude use of the item.

Review the nonconformance to determine if it is a significant condition adverse to quality and warrants a CAR, and if closure of the CAR affects removal of the Hold Tag.

Transmit the NCR form to the DD responsible for the item.

responsible for the item.

May initiate a technical review to assist in evaluation of the NCR.

Review and accept or reject NCR.

If DD accepts NCR, assign Dispositioner(s) to the NCR. Go to Step 5

Determine if the nonconformance deserves a CAR. If it does, processes in accordance with QMP-16-01 and has it cross referenced on the NCR and Hold Tag.

Determine if CAR resolution controls closure of NCR and removal of Hold Tag.

Request signatory concurrence of DQA on verifying and completing corrective action proposed by CAR in accordance with QMP-16-01.

If DD rejects NCR, forwards NCR with justification for rejection to DQA and the QA Personnel who initiated the NCR. Go to Step 4.

DD

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

| RESPONSIBLE PARTY | STEPS | PROCEDURE |
|-------------------|---------------|---|
| DQA/Designee | 4. | Settle rejection dispute with DD or if in agreement with DD, copies NCR to QA (Initiator) and the Originator, signing the NCR "closed," and has the Hold Tag removed. If DQA cannot resolve dispute with DD, refers the NCR to higher management of the Project in accordance with QMP-01-01, Organization. |
| | t days in the | Concur by signature or reject the action proposed by a CAR resulting from a nonconformance as required by QMP-16-01. |
| Dispositioner(s) | 5. | Determine disposition required to correct the nonconforming item and the corrective action necessary to prevent recurrence. The disposition shall: a. Reference approved design documents, procedures, plans, and work orders that are necessary for correction of the condition. |
| | | b. Comply with latest design documents, procedures, plans and work orders.c. Identify revisions to affected |
| | | d. Identify the organization responsible for the disposition. |
| | NOTE: | Verbal Dispositions will be permitted only where Project needs warrant the expeditious action and will be documented within two working days after the disposition has been given. Go to Step 6. |

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RESPONSIBLE PARTY

STEPS PROCEDURE

NOTE:

Conditional Release Dispositions require documented justifications that nonconforming items can be removed subsequently without any damage to the associated facility, remain accessible for inspection, limitations for use have been set, can be traced and identified and use will not endanger personnel. Go

to Step 6.

NOTE:

Repair and Use-As-Is dispositions require technical justification and be subject to the same design controls as those applied to the original design if the nonconformance affects design requirements. Go to Step 6.

Repair, Use-As-Is and Rework dispositions require an impact assessment of consequences of the malfunctioning or nonconforming items. Go to Step 6.

NOTE:

Repair and Rework dispositions require reexamination in accordance with original acceptance criteria, unless alternate acceptance criteria are specified in the disposition. Go to Step 6.

NOTE:

Reject or Scrap dispositions ensure that the items are not used on the Project either by scrapping or being returned to the original suppliers. Go to Step 6.

6.

Evaluate the proposed disposition and justification.

> If acceptable, issue NCR with designated disposition to responsible parties for performing the disposition. A copy shall be sent to the DQA for evaluation of reinspection criteria (Step 7), and logging.

DDs

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RESPONSIBLE PARTY

STEPS

PROCEDURE

If rejected, return NCR to Dispositioner(s) for rework.

DISPOSITIONING NCRS

DQA/Designee

7. Evaluate reinspection criteria of Repair and Use-As-Is disposition.

If acceptable, assign QA Personnel to track progress of disposition.

If unacceptable, return to DD for revision.

QA Personnel

8. Track progress of disposition, verify adequacy and acceptability of completion of disposition, remove Hold Tag (except for Reject/Scrap items and if prevented by a CAR) and forward NCR to DD with acknowledgment of verification.

For Repair disposition, verification shall assure that the repaired items were re-examined to the original requirements unless alternate acceptance criteria were approved in the disposition.

Add Reject/Scrap entry to Hold tags for such items.

9. Process necessary documents (drawings, specifications, plans and work orders) through the original review cycle of the

affected documents.

Rework items should not require document changes, while Reject/Scrap items may require Procurement document changes.

Document changes shall reference the NCR and be cross-referenced on the NCR.

DD

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

| RESPONSIBLE PARTY | STEPS | PROCEDURE |
|-------------------|--|---|
| | | Close NCR with signature, and forward NCR package to DQA and a copy NCR to the Originator. |
| DQA/Designee | 10. | Review completed NCR for procedural compliance, log closure and forward package to the Local Records Center in accordance with QMP-17-01, Records Management: Record Source Implementation. |
| | Application of the second of t | (Go to Logging and Trending, Step 13) |
| | | Repair and Use-As-Is dispositions may originate at a Project Office "supplier" as described in QMP-07-03, Section 5.6. They are supported with technical justification and evaluated by the DD as in Step 5.6. |

PROJECT PARTICIPANT ORIGINATED NCRS

NCRs originating with Project Participants in accordance with AP-5.27Q, pass through the TPO's (Initiator) of (Dispositioner) of those organizations to the Project Office as shown on Figure 2, Flowchart of Project Office Interface With Project Participant Initiated NCRs and the following steps.

INITIATED NCR

(From Step 5.3 of AP-5.27Q)

YMSM or DD

11. Review and accept or reject NCR.

If accepted, forward to TPO of Participant responsible for assignment and processing of disposition. (Step 5.6 of AP-5.27Q)

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

RESPONSIBLE PARTY

STEPS

PROCEDURE

If rejected, return NCR to TPO of Participant who initiated the NCR, with explanation and reason for rejection. (Step 5.3 of AP-5.27Q)

DISPOSITIONED NCR

(From Step 5.9 of AP-5.27Q)

DD

12. Review and approve or reject NCR.

In either case, return NCR to TPO of
Participant responsible for processing
of Disposition. (Step 5.11 of AP-5.27Q)

LOGGING AND TRENDING

DQA/Designee

- 13. Through an assigned position of QAAA, or equivalent, keep the Project Office NCR Log that contains the following information:
 - a. NCR number
 - A brief description of the nonconforming item and condition
 - c. The person(s) or organization(s) responsible for determining and implementing the disposition and corrective action
 - d. The status of each Project Office NCR, whether it is open, approved, rejected, voided, completed or closed
 - e. Initiator's name and organization
 - f. Conditional Release in effect, if appropriate
 - q. CAR identification if issued

DOA/Designee

14. Develop an NCR trend process in accordance with QMP-16-02.

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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, DOE/RW-0214

OCRWM Quality Assurance Program Description, DOE/RW-0215

Project Glossary

6.2 INTERFACE DOCUMENTS

AP-5.27Q, Control of Nonconforming Items

QMP-01-01, Organization --

QMP-01-02, Stop Work

QMP-07-03, Control of Purchased Items and Services

QMP-16-01, Corrective Action

QMP-16-02, Trend Analysis

QMP-17-01, Records Management: Record Source Implementation

7.0 FIGURES AND ATTACHMENTS

Figure 1, Flowchart of Project Office Nonconforming Items Process

Figure 2, Flowchart of Project Office Interface with Participant Initiated NCRs

Attachment 1, Project Office Nonconformance Report Form

Attachment 2, Project Office Hold Tag

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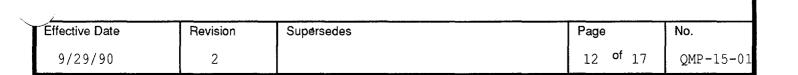
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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

8.0 RECORDS

The following documents used or generated in the implementation of this procedure have been identified as QA Records and shall be forwarded to the CRF for processing in accordance with QMP-17-01, Records Management: Record Source Implementation:

- 1. Closed, dispositioned Project Office NCRs and associated documentation such as technical justifications and Hold Tags
- 2. Voided Project Office NCRs
- 3. Conditional Releases
- 4. Project Office NCR Log



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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

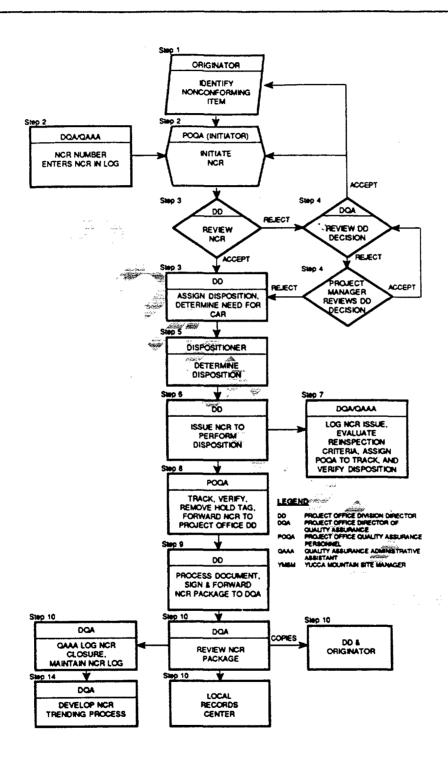


Figure 1 - Flowchart of Project Office Nonconforming Items Process

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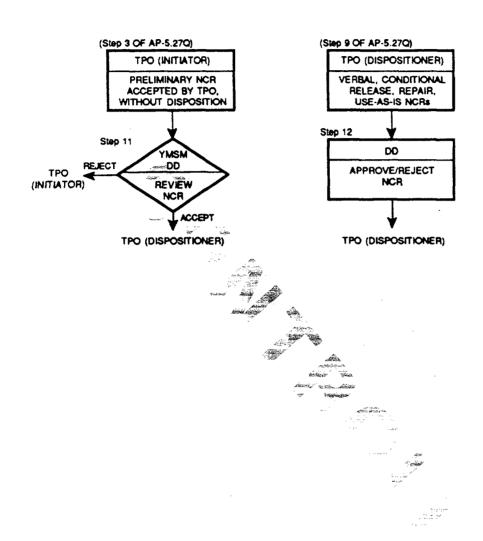


Figure 2 - Flowchart of Project Office Interface with Participant Initiated NCRS

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| ¹ NCR NO. | DATE | ² ORIGINATOR A | AND ORGANIZATK | ON 3 F | POQA (INITIATOR) | |
| | | ND SOURCE OF RE | | | | |
| PROJECT OF EXPLANATION | FFICE DIVISION DI ON IF REJECTING I | RECTOR (DD) NO NCR: (Rejection Rec | R: L. Accept, quires DQA Review | ∐Reject) | I; CAR REQUIRED: CAR No.: | |
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| 12 DQA | SIGNATURE | | PROCESS AN | | NTS Yes | □ No |
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Attachment 1 - Project Office Nonconformance Report Form

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Title

QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

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Attachment 1 - Project Office Nonconformance Report Form (continued)

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QUALITY MANAGEMENT PROCEDURE: CONTROL OF NONCONFORMANCES

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| NCR NO.: DATE: | |
| CAR NO.: CAR CLOSURE REQUIRED: | |
| ITEM DESCRIPTION: | |
| ITEM IDENTIFICATION NO.: | |
| NONCONFORMANCE: | |
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| PO QA/DATE CONDITIONAL RELEASE RESTRICTIONS FOR USE: | |
| DISPOSITION COMPLETE AND VERIFIED: | |
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Attachment 2 - Project Office Hold tag

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