



**DEPARTMENT OF ENERGY**  
Office of Civilian Radioactive Waste Management  
Office of Geologic Disposal  
Yucca Mountain Site Characterization Project Office  
P.O. Box 98608  
Las Vegas, NV 89193-8608

WBS 1.2.11  
QA: N/A

**FEB 14 1994**

L. Dale Foust  
Technical Project Officer  
for Yucca Mountain  
Site Characterization Project  
TRW Environmental Safety Systems, Inc.  
Bank of America Center, Suite P-110  
101 Convention Center Drive  
Las Vegas, NV 89109

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-94-027 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION (YMQAD) SURVEILLANCE OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING (CRWMS M&O) CONTRACTOR, DESIGN AND CONFIGURATION MANAGEMENT ORGANIZATION (SCP: N/A)

Enclosed is the record of Surveillance YMP-SR-94-027 conducted by the YMQAD at the CRWMS M&O facilities in Las Vegas, Nevada, January 31, 1994 and February 1, 1994.

The purpose of the surveillance was to verify implementation of and compliance to the CRWMS M&O Quality Administrative Procedure 3-6, Revision 2, "Configuration Items and CI Identifiers."

This surveillance is considered completed and closed as of the date of this letter. A response to this surveillance record and any documented recommendations is not required.

If you have any question, please contact either Robert B. Constable at 794-7945 or John A. Gray at 794-7663.

*RC Spence*  
Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RES-1981

Enclosure:  
Surveillance Record YMP-SR-94-027

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PDR WASTE PDR  
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ASP: Ken Hooks

Utr. Encl.  
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N/A

cc w/encl:

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R. W. Clark, HQ (RW-3.1) FORS  
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Cyril Schank, Churchill County Commission, Fallon, NV  
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Yucca Mountain Information Office, Eureka, NV  
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OFFICE OF  
RADIOACTIVE WASTE MANAGEMENT  
U.S. DEPARTMENT OF ENERGY  
WASHINGTON, D.C.

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

<sup>1</sup>ORGANIZATION/LOCATION:  
Management & Operating  
(M&O) Contractor, Las Vegas,  
NV

<sup>2</sup>SUBJECT:  
Assignment of CI Identifiers

<sup>3</sup>DATE: 2/1/94

<sup>4</sup>SURVEILLANCE OBJECTIVE:  
Verify implementation and compliance with M&Os, QAP-3-6, Revision 2, "Configuration Items and CI Identifiers".

<sup>5</sup>SURVEILLANCE SCOPE:  
Scope to include surveillance of:  
(1) Traceability Matrices associated with BFD to ESFDR;  
(2) Request for CI Identifiers (QAP-3-6, ATT. 1); Design Organization;  
(3) Assignment of CI Identifiers (QAP-3-6, ATT. 1); M&O/CM;  
(4) Entry of CIs in to BFD Matrices;  
(5) Design Organization discipline check of BFDs.

<sup>6</sup>SURVEILLANCE TEAM:  
Team Leader:

John A. Gray  
Additional Team Members:

<sup>7</sup>PREPARED BY:

John A. Gray  
Surveillance Team Leader

1/31/94  
Date

<sup>8</sup>CONCURRENCE:

RC Spence  
QA Division Director

1-31-94  
Date

SURVEILLANCE RESULTS

<sup>9</sup>BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

See page 2.

<sup>10</sup>SURVEILLANCE CONCLUSIONS:

See page 3.

<sup>11</sup>COMPLETED BY:

John A. Gray  
Surveillance Team Leader

2/2/94  
Date

<sup>12</sup>APPROVED BY:

RC Spence  
QA Division Director

2/14/94  
Date

ENCLOSURE

Block<sup>9</sup>

A surveillance was performed on January 31, and February 1, 1994 on the Management and & Operating (M&O) Contractor, Configuration Management (CM) and Design Organizations to verify implementation and compliance to the M&O Quality Administrative Procedure, (QAP)-3-6, Revision, 2, "Configuration Items and CI Identifiers" (CII's).

Emphasis was placed on Section 5.2 of the procedure; request for CII's by the Design Organization and assignment of CII's by the CM Organization.

The following personnel were contacted during the surveillance:

Edmund F. Dembowski, TRW Environmental (TRW)/M&O, Engineer  
John W. Peters, TRW/M&O, Engineer

The basis for the surveillance resulted from a Yucca Mountain Quality Assurance Division 90% review of Basis for Design (BFD), Volumes 1 and 2 for Package 1C. A question of accuracy of the Specification Identifier and Drawing Identifier entered in the Appendix B traceability Matrix CII to Design Outputs. The two areas of concern were the Surface Compressed Air System, and the Substation with Standby Generator System.

Edmund Dembowski of the M&O/CM organization was contacted in regards to the documentation of QAP-3-6, Revision 2, process used to establish the identifiers described above. Copies of the completed request and CI assignment forms were provided. The CM organization had implemented QAP-3-6 correctly and accurately. Edmund Dembowski checked the matrix entries in question against the latest CI Identifiers hierarchy and found the Drawing Identifiers listed for the Substation with Standby Generator to be incorrect. Further checking revealed that the specification identifiers listed for the surface Compressor Air System were also incorrect.

The incorrect drawing identifiers described were entered on comment review sheets for the 90% review of BFD, Volume 1 and 2, for package 1C and submitted to Design Organization; no further action required.

John Peters of the M&O Design Organization was contacted and queried about the CII request process and entries into the BFD Traceability Matrix, including step 5.4 of the M&O Implementing Line Procedure, NLP-3-20, Revision O, "Development of Basis For Design Documents" which addresses "...discipline checks of the traceability matrix." Mr. Peters replied that this process is handled internally by the Design Organization.

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Verification of implementation and compliance by the M&O Design and CM organization to QAP-3-6, Revision 2, "Configuration Items and CI Identifiers" was found to be satisfactory. However, the M&O Design Organization needs to tighten up their discipline checks of BFD Traceability Matrices entries prior to 90% review.

The M&O/CM Organization has excellent control and understanding of the CII process and should be consulted by affected organization with question about CII's, Calculation, Specification, or Drawing Identifiers and their hierarchy.