



Department of Energy
Washington, DC 20585

QA: L

OCT 06 1997

L. D. Foust, Technical Project Officer
for Yucca Mountain Site
Characterization Project

TRW Environmental Safety Systems, Inc.
1180 Town Center Drive, M/S 423
Las Vegas, NV 89134

ISSUANCE OF SURVEILLANCE RECORD M&O-SR-97-055 RESULTING FROM THE
OFFICE OF QUALITY ASSURANCE (OQA) SURVEILLANCE OF THE CIVILIAN
RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT AND OPERATING
CONTRACTOR (CRMWS M&O), MORRISON-KNUDSEN (MK)

Enclosed is the record of Surveillance M&O-SR-97-055 conducted by the OQA of
CRWMS M&O, MK's facility in Boise, Idaho, August 18 - 23, 1997.

The purpose of the surveillance was to assess the implementation of CRWMS M&O design
control procedures as they relate to the design process.

There were no Corrective Action Requests, Deficiency Reports or Performance Reports issued as
a result of the surveillance.

Based on document reviews and personnel interviews, it has been determined that the overall
effectiveness and adequacy of the design control process being implemented at MK's Boise
facility is in accordance with the Office of Civilian Radioactive Waste Management Quality
Assurance program and is considered satisfactory.

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

If you have any questions, please contact either James Blaylock at (702) 794-1420 or
Stephen F. Schuermann at (702) 295-2690.


Donald G. Horton, Director
Office of Quality Assurance

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102.7
WM-11

OQA:JB-2457

Enclosure:
Surveillance Record M&O-SR-97-055

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PDR WASTE
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recip. NIMSS/PAHL

OCT 06 1997

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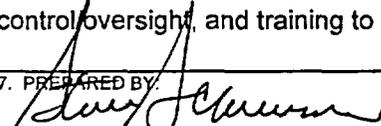
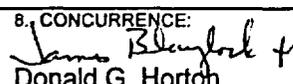
L. H. Barrett, DOE/HQ (RW-1) FORS
R. A. Milner, DOE/HQ (RW-2) FORS
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Susan Dudley, Esmeralda County, Goldfield, NV
Sandy Green, Eureka County, Eureka, NV
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OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
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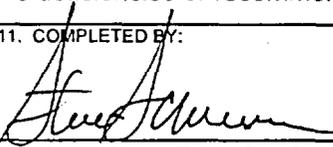
Surveillance No M&O-SR-97-055

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

1. ORGANIZATION/LOCATION: Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O), Morrison-Knudsen (MK), Boise, Idaho	2. SUBJECT: Design Control Process	3. DATE: August 18 – 23, 1997
4. SURVEILLANCE OBJECTIVE: Assess the implementation of CRWMS M&O design control procedures as they relate to the design process.		
5. SURVEILLANCE SCOPE: Review documentation and interview personnel for activities related to implementation of CRWM M&O Procedures for design control. Also procedure availability, management control/oversight, and training to appropriate design control procedures will be reviewed.		6. SURVEILLANCE TEAM: Team Leader: <u>Stephen F. Schuermann</u> Additional Team Members <u>N/A</u>
7. PREPARED BY:  <u>Stephen F. Schuermann</u> Surveillance Team Leader	Date <u>7/25/97</u>	8. CONCURRENCE:  <u>Donald G. Horton</u> Director, OQA
Date <u>7/30/97</u>		Date <u>7/30/97</u>

SURVEILLANCE RESULTS

9. BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS: <p>On August 18 – 23, 1997, a surveillance was conducted at CRWMS M&O/MK facility in Boise, Idaho, to assess the implementation of the CRWMS M&O design control procedures as they relate to Yucca Mountain Project Quality Assurance Requirements and Description Quality (Q) document related design control activities. At the time of the surveillance, there was only one Q design activity in process at the Boise facility. This was the "Refinement of Waste Package Transport and Emplacement;" Document Identifier BCA000000-01717-0200-00012, Revision 00. This document is currently in the QAP-3-9, "Design Analysis," process. The surveillance involved a review of the following documentation associated with this activity:</p> <ul style="list-style-type: none"> • Activity evaluation in accordance with QAP-2-0, "Conduct of Activities" • Design analysis in accordance with QAP-3-9 • Availability of controlled CRWMS M&O procedures (and other appropriate documents) governing the design process • Training records for Boise personnel working on this activity <p>See Page 2...</p>	
10. SURVEILLANCE CONCLUSIONS: Based on document reviews and personnel interviews, it has been determined that the overall effectiveness and adequacy of the design control process being implemented at MK's Boise facility is in accordance with the Office of Civilian Radioactive Waste Management Quality Assurance program and is considered satisfactory. No deficiencies or recommendations were generated as a result of this surveillance.	
11. COMPLETED BY:  <u>Stephen F. Schuermann</u> Surveillance Team Leader	Date <u>9/22/97</u>
12. APPROVED BY:  <u>Donald G. Horton</u> Director, OQA	Date <u>10/2/97</u>

ENCLOSURE

9. BASIS FOR EVALUATION/DESCRIPTION OF OBSERVATIONS: (Cont'd)

ACTIVITY ANALYSIS (QAP-2-0)

A review of all the procedural activities described in QAP-2-0 (including completion of the Activity Evaluation form) for this design activity was performed and found to be in compliance with the procedure.

DESIGN ANALYSIS (QAP-3-9)

The Quality Assurance Technical Support Services review of this analysis was performed by Craig Barnes of the Quality Engineering group. At the time of the surveillance, comments were being resolved with the CRWMS M&O Architect/Engineer repository design group.

DOCUMENT CONTROL

During the surveillance, a review of CRWMS M&O Quality Assurance Procedures/ Administrative Procedures (controlled copy number 102901 assigned to Joe Hilton) was performed and confirmed that the most current procedures were in place and being used. In addition, a controlled copy of the Controlled Design Assumptions (number 103645 assigned to Dave Hamann) was reviewed and determined to be the most current. Mr. Hamann is also on controlled distribution for the Mined Geologic Disposal System Guidelines Manual. The documents reviewed were the appropriate documents for the activities being performed.

PERSONNEL TRAINING AND QUALIFICATION

Record copies of training records for the following personnel were reviewed in Las Vegas and found to be the appropriate records for the activities conducted by these personnel:

<u>Employee</u>	<u>Training ID Number</u>
David E. Hamann	3308
Joseph R. Hilton	3574
Richard L. Novotny	9278
Jeff T. Pullen	8140
David C. Weddle	9296

PERSONNEL CONTACTED DURING THE SURVEILLANCE

Robert Lawrence, DOE Operations Manager, MK-Boise, ID
Donald Bledsoe, QA Director, MK-Boise, ID
David Hamann, Design Engineer, MK-Boise, ID
Jeff Pullen, Design Engineer, MK-Boise, ID
John Clark, MGDS Design Group, MK-Las Vegas, NV
Bonnie Howe, Engineering Document Control/Training, TRW-Las Vegas, NV