



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

JUN 05 1995

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Technical Project Officer
for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
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101 Convention Center Drive
Las Vegas, NV 89109

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-95-030 RESULTING FROM
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE
OF THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM MANAGEMENT
AND OPERATING CONTRACTOR (CRWMS M&O) (SCPB: N/A)

Enclosed is the record of Surveillance YMP-SR-95-030 conducted
by the YMQAD at the CRWMS M&O facilities in Las Vegas, Nevada,
April 25 through May 17, 1995.

The purpose of the surveillance was to perform verification of
corrective action to Corrective Action Request YM-94-065.

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 questions, please contact either Robert B.
Constable at 794-7945 or John F. Pelletier at 794-7538.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-3467

Enclosure:
Surveillance Record
YMP-SR-95-030

9506140046 950605
PDR WASTE
WM-11 PDR

YMP-5

NHOB 1/1
102.7
WM-11

JUN 05 1995

L. Dale Foust

-2-

cc w/encl:

D. A. Dreyfus, HQ (RW-1) FORS
R. W. Clark, HQ (RW-3.1) FORS
T. A. Wood, HQ (RW-14) FORS
C. J. Henkel, NEI, Washington, DC
~~J. G. Spraul, NRC, Washington, DC~~
W. L. Belke, NRC, Las Vegas, NV
R. R. Loux, NWPO, Carson City, NV
Cyril Schank, Churchill County Commission, Fallon, NV
D. A. Bechtel, Clark County Comprehensive, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners,
Yucca Mountain Information Office, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
V. E. Poe, Mineral County, Hawthorne, NV
P. A. Niedzielski-Eichner, Nye County, Chantilly, VA
L. W. Bradshaw, Nye County, Tonopah, NV
William Offutt, Nye County, Tonopah, NV
Florindo Mariani, White Pine County, Ely, NV
B. R. Mettam, County of Inyo, Independence, CA
Mifflin and Associates, Las Vegas, NV
S. L. Bolivar, LANL, Los Alamos, NM
R. E. Monks, LLNL, Livermore, CA
W. J. Glasser, REECO, Las Vegas, NV
R. R. Richards, SNL, Albuquerque, NM, M/S 1333
R. P. Ruth, M&O, Las Vegas, NV
K. B. Johnson, M&O, Las Vegas, NV
T. H. Chaney, USGS, Denver, CO
C. K. Van House, YMOAD/QATSS, Las Vegas, NV
R. L. Maudlin, YMOAD/QATSS, Las Vegas, NV

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

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

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

²SUBJECT:
Verification of Corrective Action Request
(CAR) YM-94-065

³DATE: April 25 through May 17,
1995

⁴SURVEILLANCE OBJECTIVE: To perform verification of corrective action to CAR YM-94-065

⁵SURVEILLANCE SCOPE: The scope of this surveillance was to perform
verification of the M&O design checking process relative to CAR YM-94-065.

⁶SURVEILLANCE TEAM:
Team Leader:

John F. Pelletier
Additional Team Members:

William R. Sublette

⁷PREPARED BY: John F. Pelletier 4/24/95
John F. Pelletier 4/24/95
Surveillance Team Leader Date

⁸CONCURRENCE:
N/A
QA Division Director Date

SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:
See pages 2 and 3

¹⁰SURVEILLANCE CONCLUSIONS:
See pages 3 and 4

¹¹COMPLETED BY: John F. Pelletier 6/1/95
John F. Pelletier 6/1/95
Surveillance Team Leader Date

¹²APPROVED BY: Robert B. Condit 6/2/95
Robert B. Condit 6/2/95
QA Division Director Date

Block 9 (continued) Basis of Evaluation/Description of Observations:

On April 25 through May 17, 1995, a surveillance was performed of the M&O in Las Vegas, Nevada to verify the corrective actions to Yucca Mountain (YM) CAR YM-94-065.

Attributes Verified:

Remedial Action CAR YM-94-065.

The amended remedial action dated 4/4/95 stated that Mined Geologic Disposal System (MGDS) development would revise the following draft documents to include the design verification comments. If it does become necessary to remove or modify one of the draft documents MGDS will document, justify and obtain Office of Quality Assurance approval prior to removal or modification.

Objective Evidence reviewed:

Analysis Reviewed:

BABEAB000-01717-0200-00002, Structural Steel Sets Analysis
BABEAB000-01717-0200-00003, Material Dedication Analysis for
Commercial Grade Items-Steel Sets
BABEAB000-01717-0200-00013, Shotcrete Ground Support Scoping
Analysis

Drawings Reviewed:

Drawings BABEA0000-01717-2100-41152 & BABFAD000-01717-2100-45608

Procedures Reviewed:

Quality Assurance Procedure (QAP)-3-0, Revision 3, "Design Control Process"
QAP-3-8, Revision 5, "Specifications"
QAP-3-9, Revision 5, "Design Analysis"
QAP-3-10, Revision 5, "Engineering Drawings"

All verification comments were reviewed and appropriately incorporated into the draft documents. Also reviewed was the Partial Verification of CAR YM-94-065, signed by Stephen Dana on 9/21/94.

Preclude Recurrence:

The surveillance team reviewed several documents that had been processed through the MGDS Product Checking Group (PCG). A review of the checklists and applicable QAPs resulted in some inconsistencies, in that the checklist failed to incorporate all the details identified by the QAP. These detailed questions were added to the PCG checklists and no additional problems were

identified with the documents. It was also noted that a Procedure Action Request (PAR) was initiated by Bill Leonard to develop a new Nevada Line Procedure (NLP) to require the use of approved PCG checklists.

Objective Evidence Reviewed:

PCG organization chart.

PCG Specification Checklist
PCG Engineering Drawing Checklist
PCG Design Analysis Checklist

PAR prepared by B. Leonard for NLP 3-28
Exploratory Studies Facility (ESF) Blast Design Analysis
DI# BABE0000-01717-0200-00004 Revision 4

Permanent Rockbolt And Temporary Channel Interaction Analysis
DI# BABEAB000-01717-0200-00012 Revision 0

ESF Alcove Ground Support Analysis
DI# BABEE0000-01717-0200-00001 Revision 0

Subsurface Drilling And Blasting
DI# BABEA0000-01717-6300-02313 Revision 1

Bow Ridge Fault Test Alcove Rockbolts & Shotcrete Sections
DI# BABEE0000-01717-2100-40160 Revision 0

Block 10 (continued) SURVEILLANCE CONCLUSIONS:

As a result of this surveillance, all corrective action verification for CAR YM-94-065 was considered complete and based on the personnel interviewed and the documents reviewed, the CAR was closed. The surveillance team concluded that although all the design products reviewed during the surveillance were acceptable, there was not enough evidence due to the limited products processed by the PCG to conclude that the checking process is completely fixed. Therefore, a surveillance should be scheduled once more design products are processed.

The following M&O individuals were contacted during the surveillance.

S. Bonabian
A. Segrest
J. Clark
D. Tang
M. Gomez
R. Howard
J. Salchak
J. Peters
M. DeLeon
J. Willis
J. Bailey
S. Bailey
J. Naaf
D. Rogers
F. Tsai
B. Leonard