



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
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SEP 28 1995

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for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
Bank of America Center, Suite P-110
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ISSUANCE OF SURVEILLANCE RECORD YMP-SR-95-053 RESULTING FROM
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE
OF REYNOLDS ELECTRICAL & ENGINEERING CO., INC. (REECO)
(SCPb: N/A)

Enclosed is the record of Surveillance YMP-SR-95-053 conducted
by the YMQAD at the REECO facilities at the Yucca Mountain Site,
Nevada, September 6-19, 1995.

The purpose of the surveillance was to verify that corrective
actions to Corrective Action Request YM-95-035 are complete.

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 Mario R. Diaz
at 794-7974 or John R. Doyle at 794-7986.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:MRD-4682

Enclosure:
Surveillance Record
YMP-SR-95-053

020099

YMP-5

9510020251 950928
PDR WASTE
WM-11 PDR

102.7
WM-11
NA103

SEP 28 1995

cc w/encl:

D. A. Dreyfus, HQ (RW-1) FORS
R. W. Clark, HQ (RW-3.1) FORS
C. J. Henkel, NEI, Washington, DC
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W. L. Belke, NRC, Las Vegas, NV
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Cyril Schank, Churchill County, Fallon, NV
D. A. Bechtel, Clark County, Las Vegas, NV
J. D. Hoffman, Esmeralda County, Goldfield, NV
Eureka County Board of Commissioners, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
Jason Pitts, Lincoln County, Pioche, NV
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OFFICE OF
 RADIOACTIVE WASTE MANAGEMENT
 U.S. DEPARTMENT OF ENERGY
 WASHINGTON, D.C.

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ ORGANIZATION/LOCATION: Reynolds Electrical and Engineering Company (REECO)	² SUBJECT: Verify Corrective Action to Corrective Action Request (CAR) YM-95-035	³ DATE: September 6 through September 19, 1995
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⁴SURVEILLANCE OBJECTIVE:
 To verify that corrective actions to CAR YM-95-035 are complete.

⁵ SURVEILLANCE SCOPE: Verify that REECO Quality Assurance (QA), Quality Control (QC) and Construction records for the Exploratory Studies Facility (ESF) Starter Tunnel have been submitted to the Document Record Center (DRC) and are complete.	⁶ SURVEILLANCE TEAM: Team Leader: <u>John R. Doyle</u> Additional Team Members: <u>Fred H. Lofftus</u>
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⁷ PREPARED BY: <u>John R. Doyle</u> <u>9/6/95</u> Surveillance Team Leader Date	⁸ CONCURRENCE: <u>N/A</u> QA Division Director Date
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SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

 See Page(s) 2 through 3

¹⁰SURVEILLANCE CONCLUSIONS:

 See Page 3

¹¹ COMPLETED BY: <u>John R. Doyle</u> <u>9/22/95</u> Surveillance Team Leader Date	¹² APPROVED BY: <u>for [Signature]</u> <u>9-26-95</u> for QA Division Director Date
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Block 9 (continued) Basis of Evaluation/Description of Observations

On September 6, 1995 through September 19, 1995, a surveillance was performed at the Yucca Mountain Site of REECo to verify corrective action implementation of CAR-YM-95-035. CAR-95-035 identified that records (Starter Tunnel Inspection and Construction Records) for Job Package 92-20, "ESF North Portal Pad and Facilities" had not been submitted to the DRC after the completion of work. A surveillance was requested by Yucca Mountain Quality Assurance (QA) Division Director and the REECo QA Manager to ascertain the effectiveness of the proposed corrective action.

Attributes Verified during the course of the surveillance:

Yucca Mountain Site Characterization Project Transmittal/Receipt Acknowledgements and Submittal Forms for the following Job Package 92-20 (Records Package Tracking Number DRC-026C) Record Segments :

Title/Description	Date Received	Pages
Rockbolt Installation Inspection	8/9/95	1514
Construction Inspection	8/25/95	8
Plan (CIP) CIP 93-0005		
"Surface Drilling and Blasting"		
Rock Bolt Installation and Testing	8/31/95	18
Log Database		
Clarification of Items for	8/31/95	1
Construction Rock Bolt Records		
Rock Bolt Installation Logs	8/31/95	116
Grouted Bolts		
Clarification of Items for	8/31/95	1
Construction Records		
Shotcrete Placement Logs	8/31/95	92
Clarification of Items for	9/1/95	1
Drill and Blast Records		
Drill and Blast Log-Pilot Drift	9/1/95	150
Drill and Blast Log-North and	9/1/95	159
South Slash		
Drill and Blast Log-North, South	9/1/95	145
and Center Bench		
CIP 93-0006 "Starter Tunnel	9/15/95	10
Construction"		

Procedure/Inspection Checklists were sampled in the DRC for Ring 10 of the ESF Starter Tunnel. A detailed breakdown can be found in the corrective action verification statement of CAR-YM-95-035.

The following personnel were contacted during the course of the surveillance:

Robert I. Law	Field Construction Manager, Morrison-Knudsen Corporation (MK)
C. Wally Wade	Job Package Records Coordinator, MK
S. Dave Osborn	Lead Quality Control Inspector, REECo
Robert Rommel	Senior Project Engineer, REECo

Block 10 (Continued) Surveillance Conclusions:

Corrective Action for CAR YM-95-035 was satisfactorily verified during this surveillance. The verification details are contained in the verification statement for CAR-YM-95-035. During the verification process, several open items were closed during the course of the surveillance. These included several of the smaller record segments and a Field Change Request (FCR) 95-239 issued to Job Package 94-16, "ESF North Ramp Station 0+60 to 28+15.5. " This FCR called out the requirement to submit records in 200 meter segments to the DRC within 20 working days once work is completed.