



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
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JUL 03 1996

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for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
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Las Vegas, NV 89109

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-96-020 RESULTING FROM YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE OF BECHTEL NEVADA CORPORATION (SCPB: N/A)

Enclosed is the record of Surveillance YMP-SR-96-020 conducted by the YMQAD at the Bechtel Nevada Corporation facilities in Mercury, Nevada, May 15-17, 1996.

The purpose of the surveillance was to determine if personnel performing testing and calibrations are qualified and trained to existing procedures.

There were no deficiency documents issued as a result of this surveillance. 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 (702) 794-1489 or John R. Doyle at (702) 794-1465.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:MRD-1990

Enclosure:
Surveillance Record
YMP-SR-96-020

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JUL 03 1996

L. Dale Foust

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cc w/encl:

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R. W. Clark, HQ (RW-3.1) FORS
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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, Eureka, NV
Lander County Board of Commissioners, Battle Mountain, NV
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OFFICE OF
 RADIOACTIVE WASTE MANAGEMENT
 U.S. DEPARTMENT OF ENERGY
 WASHINGTON, D.C.

QUALITY ASSURANCE SURVEILLANCE RECORD

SURVEILLANCE DATA

¹ORGANIZATION/LOCATION:
 Bechtel Nevada Corporation,
 Mercury, Nevada

²SUBJECT:
 Supplier Personnel Qualifications and
 Training

³DATE:
 5/15 - 17/96

⁴SURVEILLANCE OBJECTIVE:

To determine if personnel performing testing and calibrations are qualified and trained to existing procedures

⁵SURVEILLANCE SCOPE:

Verify by interviews and documentation review the education and experience, position descriptions, qualifications, and training of personnel providing quality services.

⁶SURVEILLANCE TEAM:

Team Leader:
John R. Doyle

Additional Team Members:

N/A

⁷PREPARED BY: John R. Doyle 5/14/96.
John R. Doyle 5/14/96
 Surveillance Team Leader Date

⁸CONCURRENCE:
N/A _____
 QA Division Director Date

SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

See Page(s) 2 - 4

¹⁰SURVEILLANCE CONCLUSIONS:

See Page 4

¹¹COMPLETED BY:
John R. Doyle 7/1/96.
John R. Doyle 7/1/96
 Surveillance Team Leader Date

¹²APPROVED BY:
John R. Doyle 7-1-96
John R. Doyle 7-1-96
 QA Division Director Date

Block 9 (continued) BASIS FOR EVALUATION/DESCRIPTION OF OBSERVATIONS:

On May 15th through May 17th, 1996, a surveillance was performed on the Bechtel Nevada Corporation Materials Test Laboratory (MTL) and Physical Standards and the Calibration Laboratory located in Mercury, Nevada. The purpose of this surveillance was to verify that personnel performing services within these laboratories were qualified and trained in accordance with implementing procedures. In addition, an evaluation was made to assess whether these laboratories are capable in providing quality services to support the Yucca Mountain Site Characterization Project (YMP).

Bechtel Nevada Corporation provides testing and calibration services to the YMP and is listed on the Qualified Suppliers List. Prior to Bechtel Nevada Corporation assuming responsibility for these services, these laboratories were the responsibility of Reynolds Electrical & Engineering Co., Inc. (REECo).

During the transition of the Nevada Test Site (NTS) Management and Operating Contractor from REECo to Bechtel Nevada Corporation, a management decision was made to accept existing REECo and EG&G Energy Measurements (EG&G) procedures with noted exceptions on activities that were performed in support of the YMP. This statement is noted on documentation located in the front of the controlled manuals for the activities being performed.

Documents reviewed during the course of the surveillance:

The following "Bechtel Nevada Corporation Policies/Procedures Acceptance with Exceptions Noted," Forms for the following manuals were verified:

Measuring and Test Equipment dtd. 12/21/95 and 2/26/96 - Manual # 045
NTS Quality & Inspection Department: Procedures Manual - Manual # 011
NTS Operations Division: Procedures Manual - Manual # 017
Control of Measuring and Test Equipment, NTS Operations - Manuals # 012, 013

Reviewed the following objective evidence during the course of the surveillance at the following facilities:

MTL, Building # 190

The following documents were verified for MTL personnel: Position Descriptions, Qualifications, Resumes, and Verifications of Education and Experience for the following:

Venkatrao Thummala
James Aamodt
Kevin Olmstead

Verified the following Training Record Reading List of Test Procedures for required procedures for the above personnel:

Q&I-PTM-002, "Lockout and Tagout Procedure," Revision 0
Q&I-MTL-001, "MTL Standard Operating Procedure," Revision 1
Q&I-MTL-002, "Safety & Operating Procedure Instrument Radiation Source,"
Revision 1
O&I-MTF-004, "MTL Client Complaint Resolution Procedure," Revision 0
Quality Control Procedure (QCP)-014, "Bromide Ion Tracer Water Sampling and
Testing," Revision 3
VTP-001, "Verification Testing of Williams Rockbolts," Revision 3
VTP-003, "Verification Testing of Atlas-Copco Super Swellex Rockbolts," Revision 2
TT- S-01, "Steel Set Plate and Weld Metal Tensile Testing Criteria," Revision 3

Verified the above procedures and current revisions in the following controlled manuals:

Manual # 011
Manual # 012
Manual # 013
Manual # 043

Physical Standards and Calibration Laboratory, Building # 153

Verified Physical Standards and Calibration Laboratory Personnel Position Descriptions, Qualification Records, YMP Education and Experience Verification Records, Physical Standards and Calibration Laboratory Calibration Procedure Training Records for the following personnel:

Marty Reynolds
Gerald Erickson

Reviewed training records of Marty Reynolds for the following procedures:

MC-10.0, "Measuring and Test Equipment," Revision 2
TC-515-CP-GEN-1, "Measuring and Test Equipment," Revision 0
TC-515-CP-DIM-1, "Depth Micrometers," Revision 0
TC-515-CP-DIM-28, "Calibration of Outside Micrometer," Revision 0
TC-515-CP-MASS-0, "Mass and Weights," Revision 0
TC-515-CP-TEMP-5, "Electronic Thermometers," Revision 0
TC-515-DIM-TORQ-1, "Torque Wrenches and Screwdrivers," Revision 0

Verified the above procedures and current revisions were in the following controlled manuals:

Technical Procedures - Manual #045
Management Control Procedures #045

Personnel contacted during the course of the surveillance:

Gerald Erickson - Calibration Laboratory Supervisor - Bechtel Nevada Corporation
Marty Reynolds - Senior Quality Control Technican - Bechtel Nevada Corporation
Venkatrao Thummala - Senior Engineer- Bechtel Nevada Corporation
William Endow - Manager, Standards and Calibration - Bechtel Nevada Corporation

Block 10 (continued) SURVEILLANCE CONCLUSIONS:

Based on documentation reviews and interviews with cognizant personnel it has been determined that personnel performing the quality activities are qualified and trained to procedures.

The overall effectiveness and adequacy of implementation of the REECo and EG&G procedures by Bechtel Nevada Corporation Material Test Laboratory and Physical Standards and Calibrations Laboratory for use during their transition phase were utilized and found to be acceptable. In discussions with cognizant Bechtel Nevada Corporation personnel, it was ascertained that the final transition from REECo to Bechtel Nevada Corporation procedures is scheduled to be completed by September 1996; it is anticipated that these procedures will need to be evaluated for acceptance and adequacy at that time. There were no deficiency documents issued as a result of this surveillance.