



## Department of Energy

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

AUG 28 1995

W. D. Wightman  
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4460 S. Arville Street, Suite 6  
Las Vegas, NV 89102

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-95-038 RESULTING FROM  
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE  
OF KIEWIT/PARSONS BRINCKERHOFF (KIEWIT/PB) (SCPb: N/A)

Enclosed is the record of Surveillance YMP-SR-95-038 conducted by  
the YMQAD at the Kiewit/PB facilities in Las Vegas, Nevada, and  
the Nevada Test Site, July 18-21, 1995.

The purpose of the surveillance was to determine if Kiewit/PB had  
the necessary procedures and personnel in place for takeover of  
Reynolds Electrical & Engineering Co., Inc.'s activities. The  
surveillance covered Program Element 2, "Quality Assurance  
Program" (training only); Program Element 5, "Implementing  
Documents;" and Program Element 6, "Document Control," as it  
applies to the transition process.

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

If you have any questions, please contact either Mario R. Diaz  
at 794-7974 or Steven P. Nolan at 794-7731.

Richard E. Spence, Director  
Yucca Mountain Quality Assurance Division

YMQAD:RBC-4314

Enclosure:  
Surveillance Record YMP-SR-95-038

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AUG 28 1995

cc w/encl:

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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:

Kiewit/Parsons Brinkerhoff  
(K/PB), Las Vegas, NV

<sup>2</sup>SUBJECT:

Transition from Reynolds Electrical and  
Engineering Company (REECo)

<sup>3</sup>DATE:

July 18, 1995 through July 21,  
1995

<sup>4</sup>SURVEILLANCE OBJECTIVE:

To determine if procedures and personnel are in place for takeover of REECo activities.

<sup>5</sup>SURVEILLANCE SCOPE:

The surveillance will cover criteria 2 (training only), criteria 5, Implementing Documents, and criteria 6, Document Control as it applies to this transition process. In addition, recommendations from REECo Audit 004-95 will be reviewed to determine progress made on those area.

<sup>6</sup>SURVEILLANCE TEAM:

Team Leader:

Steven P. Nolan

Additional Team Members:

John F. Pelletier

<sup>7</sup>PREPARED BY:

Steven P. Nolan Steven P. Nolan  
Surveillance Team Leader

7-13-95  
Date

<sup>8</sup>CONCURRENCE:

QA Division Director

Date

SURVEILLANCE RESULTS

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

See Pages 2 through 5

<sup>10</sup>SURVEILLANCE CONCLUSIONS:

See Page 6

<sup>11</sup>COMPLETED BY:

Steven P. Nolan Steven P. Nolan  
Surveillance Team Leader

8-11-95  
Date

<sup>12</sup>APPROVED BY:

[Signature]  
QA Division Director

8/25/95  
Date

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

On July 18 through 21, 1995, a surveillance was performed of K/PB at the Yucca Mountain Site and their offices in Las Vegas, Nevada. The purpose of this surveillance was to determine if K/PB have the necessary procedures and personnel in place for the takeover of REEC Co activities. The surveillance focused on training of K/PB Quality Assurance (QA) Quality Control (QC) staff; Implementing Documents, and Document Control. In addition, recommendations from REEC Co Audit 004-95 were reviewed to determine if the responses were satisfactory.

**OBJECTIVE EVIDENCE REVIEWED FOR COMPLIANCE TO QARD REV. 3 SECTION 2**

**DOCUMENT REVIEWED:**

**QARD Section 2.0**

Subsection 2.2.11, "Personnel Selection, Indoctrination, Training, and Qualification"  
Subsection 2.2.12, "Qualification of Personnel Performing Quality Assurance Functions"  
Quality Assurance Procedure (QAP) 2.8, Rev. 1, "Surveillance"  
Management Control Procedure (MCP) 2.4, Rev. 5, "Indoctrination, Training, and Qualifications"  
MCP 2.6, Rev. 4, "Project Training"

**PERSONNEL CONTACTED:**

J. D. Christensen, QA Manager (K/PB)  
Toni Caselli, Records Analyst (REEC Co)  
C. A. Rixford, Records Supervisor (REEC Co)  
S. F. Schuermann, QA Surveillance Supervisor (K/PB0)  
M. L. Brown, Training Supervisor (K/PB)  
C. M. Haas, Training Assistant (REEC Co)  
K. K. Spence, Records Analyst (REEC Co)  
Deborah Kirby, QA Surveillance Specialist (REEC Co)

MCP-2.4, Rev. 5, provides the guidelines for the initial evaluation, selection, indoctrination, training and qualification of K/PB personnel assigned to the Yucca Mountain Project (YMP). The following items were reviewed/verified: Fourteen files were selected at random from a roster supplied by K/PB depicting the proposed QA organization. The files were reviewed to ensure selected elements from the above listed procedure were being satisfactorily implemented. Those elements include the following:

- 3.1 A) Position descriptions were prepared and complete.
- 3.1 B) Personnel performing quality affecting work were identified as such.
- 3.2 C) Required reading and training as identified on the core list was completed.
- 3.3.2 D) Education and experience were verified.
- 3.3.1 E) Classroom training, when required was performed.
- 4.1 F) Submittal of above records per the procedure requirements (only those below with an asterisk).

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

**FILES REVIEWED:**

- Wes Pugmire - Above Ground QC Supervisor - Weld Engineer (K/PB)
- \* Terry Dickson - Lead Inspector (REECo)
- Norman Slater - Inspector (REECo)
- Michael Shealy - Level II Inspector - Construction (REECo)
- \* Bryan Newman - Level II Inspector - Construction (REECo)
- Mike Wakefield - Inspector (REECo)
- \* Jack Ancipink - Inspector (REECo)
- \* Richard Noel - Inspector (REECo)
- \* Ed Hyatt - Lead-Tunnel Inspector (REECo)
- Charles Swindell - Inspector (REECo)
- Steve Schuermann - Lead - Surveillance Supervisor (K/PB)
- \* Cheryl Haas - Training Assistant (REECo)
- \* Mary Lou Brown - Training Supervision (K/PB)
- Toni Caselli - Records Analyst (REECo)

A review/discussion was held with K/PB QA personnel on the proposed responses to recommendations made as a result of REECo Audit 004-95. A memo dated 8/8/95 from the K/PB Surveillance Supervisor to the QA Manager satisfactorily addressed all the recommendations.

**OBJECTIVE EVIDENCE REVIEWED FOR COMPLIANCE TO QARD REV. 3  
SECTION 5:**

**Quality Control Procedures (QCP)**

QCP-005, Rev. 1

QCP-006, Rev. 1

QCP-008, Rev. 1

**MCP**

MCP-2.0, Rev. 10

MCP-4.0, Rev. 10

MCP-6.0, Rev. 4

MCP-6.2, Rev. 0

MCP-7.0, Rev. 8

MCP-15.0, Rev. 6

MCP-17.0, Rev. 7

**Technical Control Procedures (TCP)**

TCP-2.7, Rev. 3

TCP-2.20, Rev. 1

TCP-2.25, Rev. 0

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

The procedures were reviewed for compliance to the requirements stated in K/PB MCP procedures 5.0, Rev. 5 titled, "Procedure Preparation and Control," and 6.1, Rev. 3 titled, "Expedited Changes." The following procedural requirements were verified:

**MCP-5.0 Rev. 5**

- 3.1 Types of Procedures
- 3.2 Procedural Format
- 3.3 Procedure Content
- 3.4 Procedure Numbering
- 3.5 Revision
- 3.6 Procedure Development/Review
- 3.7 Procedure Approvals
- 3.8 Expedited Procedure Revisions
- 3.9 Periodic Reviews
- 4.0 Records

**MCP-6.1 Rev. 3**

- 3.1 Initiating Expedited Changes
- 3.2 Authorization for Expedited Changes
- 3.3 ECR Implementation
- 4.0 Records

One deficiency was identified in the area of procedural compliance in that the requirement stated in MCP 6.2, Rev. 0, "Control of Required Submittals," Section 3.6.1.b states that the status of new draft procedures is indicated by an alpha revision indicator located in the top right hand corner of the first page (Draft A, B, etc.). Contrary to this requirement, no alpha revision indicator was used in the preparation of procedures MCP-6.2, revision indicators and resulted in no impact. The MCP procedure was revised and the deficiency was corrected. No Performance Report was issued.

**OBJECTIVE EVIDENCE REVIEWED FOR COMPLIANCE TO QARD REV. 3 SECTION 6**

Review the following Controlled Document Distribution Request (CDDR) forms for the following procedures and to verify procedural compliance.

- QCP-005, Rev. 1
- QCP-008, Rev. 3

- MCP-1.0, Rev. 5
- MCP-2.0, Rev. 11
- MCP-5.0, Rev. 6

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

TCP-2.1, Rev. 2  
TCP-2.6, Rev. 3  
TCP-2.7, Rev. 3  
TCP-2.20, Rev. 0

The following procedural requirements were verified:

MCP-6.0 Rev. 4

3.1 Document Generation and Identification  
3.2 Document Acceptance, Receipt, Registration and Distribution  
3.3 Recipient or Supervisor's Processing  
3.4 Decontrolling Controlled Documents  
4.0 Records

MCP-6.2 Rev. 0

3.4 Records Management Responsibilities  
4.0 Records

Controlled documents were properly stamped and controlled. Several controlled manuals were reviewed, both in Las Vegas and the NTS. All manuals contained the proper procedures and revision numbers. No deficiencies were identified.

**MANUALS REVIEWED:**

<u>Name</u>	<u>Controlled Document Number</u>
C. A. Rixford	006
M. C. Muller	008
K. K. Spence	018
J. D. Christensen	042

The procedures contained in the above manuals were reviewed for compliance to the requirements stated in K/PB MCP Procedures 6.0, Rev. 4, "Document Control," and 6.2, Rev. 0, "Control of Required Submittals." One deficiency was identified in the area of procedural compliance in that the requirement stated in MCP-6.0, Rev. 4, Section 3.4.4, "Management shall remove all recipients from controlled distribution and mark the document 'Decontrolled' on the Master Controlled Document Index." Contrary to this requirement, TCP-2.13, Rev. 1, and TCP-2.26, Rev. 2, were not marked "Decontrolled" on the Master Controlled Document Index. The Index was subsequently updated and the deficiency was corrected prior to the end of this surveillance. No Performance Report was issued.

**Block 10 (continued) Surveillance Conclusions:**

As a result of this Surveillance, two deficiencies were identified and corrected before the end of the Surveillance and it was found that K/PB was satisfactorily implementing the requirements of the QARD Elements 2 (Training only), 5 and 6. Also, it was determined via discussion and review of proposed responses to REECO Audit 004-95 recommendations, that the recommendations were satisfactorily addressed. The YMQAD personnel would also like to thank all K/PB staff for being both cooperative and professional during the course of this surveillance.