



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
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FEB 24 1995

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ISSUANCE OF SURVEILLANCE RECORD YMP-SR-95-007 RESULTING FROM
YUCCA MOUNTAIN QUALITY ASSURANCE DIVISION'S (YMQAD) SURVEILLANCE
OF KIEWIT/PARSONS BRINKERHOFF (K/PB) (SCPb: N/A)

Enclosed is the record of Surveillance YMP-SR-95-007 conducted by
the YMQAD at the K/PB facilities in Las Vegas, Nevada, and at the
Exploratory Studies Facility, Nevada Test Site, February 1-3,
1995.

The purpose of the surveillance was to verify implementation of
an adequate and effective nonconformance program by K/PB.

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 Richard L. Weeks at 794-7853.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:RBC-2191

Enclosure:
Surveillance Record YMP-SR-95-007

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YMP-5

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FEB 24 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

¹ORGANIZATION/LOCATION:
Kiewit/Parsons Brinkerhoff
(K/PB), Las Vegas, NV

²SUBJECT:
K/PB Nonconformance Report (NCR)
Program

³DATE: 2/1 through 3/95

⁴SURVEILLANCE OBJECTIVE: To verify implementation of an adequate and effective NCR Program.

⁵SURVEILLANCE SCOPE: To verify compliance to YAP-15.1Q.

⁶SURVEILLANCE TEAM:
Team Leader:

Richard L. Weeks

Additional Team Members:

Charles C. Warren

⁷PREPARED BY:

Richard L. Weeks

Surveillance Team Leader

2/1/95

Date

⁸CONCURRENCE:

N/A

QA Division Director

N/A

Date

SURVEILLANCE RESULTS

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

¹⁰SURVEILLANCE CONCLUSIONS:
See page 3

¹¹COMPLETED BY:

Richard L. Weeks 2/15/95
Surveillance Team Leader Date

¹²APPROVED BY:

Robert B. Contable 2.23.95
QA Division Director Date

ENCLOSURE

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

The basis of the evaluation was to verify K/PB compliance to YAP-15.1Q, Revision 1, "Control of Nonconformances."

The surveillance took place on February 1 through 3, 1995 at the K/PB field office located at the Exploratory Studies Facility (ESF) pad and at the K/PB Arville office in Las Vegas, Nevada. K/PB is a subcontractor to Reynolds Electric and Engineering Company of Las Vegas, Nevada.

The following K/PB personnel were contacted during the surveillance:

Jon Christensen, Quality Assurance (QA) Manager
Howard Cox, Quality Control (QC) Manager
Ed Hyatt, Lead Tunnel Inspector
Kevin Krank, Quality Engineer - Programs
Carol Rixford, Records Manager
Tom Tomek, QC Supervisor

Documentation examined during the surveillance included NCRs K/PB-95-003 through K/PB-95-010, Deficiency Reports (DR) DR-024 and DR-030, and the NCR Log which is maintained by K/PB personnel for internally generated NCRs. Additionally, discussions were held with the K/PB QA Manager regarding the results of this surveillance.

During the review of K/PB NCRs it was noted that in addition to the K/PB QC organization initiating NCRs, they also provided and approved NCR dispositions. It was also noted that some of the K/PB NCRs dispositioned as rework were reviewed and initialed by an A/E representative even though these NCRs were not assigned Yucca Mountain Site Characterization Office (YMSCO) NCR numbers and sent to the A/E for review in accordance with YAP 15.1Q. K/PB QC personnel stated that the reason for obtaining informal A/E concurrence on some rework dispositions was that these reworks involved application of multiple processes to correct nonconforming conditions and it would be prudent to obtain the A/E's concurrence prior to proceeding with rework activities. It is recommended that all K/PB NCRs other than those to be dispositioned as scrap be assigned a YMSCO number and be processed in accordance with YAP 15.1Q. This will assure that NCRs are controlled in accordance with the Office of Civilian Radioactive Waste Management procedural requirements and A/E involvement in dispositioning is accomplished and documented when required. It is further recommended that A/E engineering support for the dispositioning and processing of YMSCO NCRs be available at the ESF pad during working hours so that documentation, review, and approval of NCR dispositions can be accomplished expeditiously.

NCRs K/PB-95-003 through K/PB-95-010 were examined to determine compliance to YAP-15.1Q. Examination of each of the NCRs indicated that the forms were complete and when required

technical justifications were provided. Implementation of YAP-15.1Q was effective except for the potential deficiency corrected during the surveillance and described below.

During the surveillance the two remaining DRs were closed. It should be noted that DR-0024 was transferred to YMSCO-95-0066 since final disposition was not yet complete. Closure of these two DRs completes the transition of K/PB to YAP 15.1Q for control of nonconformances.

A visit was made to the K/PB nonconforming items holding area, which is located on the ESF pad, to verify that items requiring red tags were tagged and tags were completed as required. It was verified that tags were in place for nonconforming items identified on NCRs K/PB-95-0004, K/PB-95-0009 and K/PB-95-0010. Tagging for NCRs K/PB-95-0004 and K/PB-95-0009 were located within the tunnel and address "Conditionally Released" items used for construction. NCR K/PB-95-0010 was located in the hold area and properly tagged except for the potential deficiency corrected during the surveillance and described below.

Three potential deficiencies were identified and corrected during the surveillance. The potential deficiencies are considered minor and are as follows:

- 1) NCR K/PB-95-0030 which was dispositioned as a "Rework" included the concurrence of the Architect/Engineer (A/E) is indicated on the NCR form by signature. YAP-15.1Q requires that any NCR condition requiring involvement of more than one Affected Organization to complete disposition shall be documented on a Project NCR. K/PB agreed, and NCR K/PB-95-0030 was transferred to YMSCO-95-0063.
- 2) Steel sets were received for which welding had not been completed. NCR K/PB-95-0010, which was issued to address this condition, indicated that the steel sets were red tagged. When the hold tags attached to the steel sets were inspected it was determined that the NCR number was not included. This condition was immediately corrected by K/PB personnel by writing the NCR number on the tag.
- 3) Examination of the NCR Log maintained by K/PB for internal NCRs was not up-to-date as required by YAP-15.1Q. While discussing this condition with K/PB personnel it was learned that lack of accessibility to the NCR database due to computer problems was preventing K/PB personnel from updating the NCR Log. This condition was corrected during the surveillance and it was verified that the Log was updated.

As stated above, the following recommendations are offered for management consideration:

1. Document all nonconforming conditions identified by K/PB, except for those to be dispositioned as scrap, on YMSCO NCRs in accordance with YAP 15.1Q.
2. A/E engineering support needed for dispositioning NCRs initiated by K/PB should be available at the ESF pad during normal working hours to insure this process is completed expeditiously.
3. It is recommended the K/PB QC receive copies of all NCRs that address items utilized for construction in the ESF. As the constructor, K/PB needs to be cognizant of the status of all items they utilize for construction activities.

Block 10 (continued) Surveillance Conclusions:

It is concluded that K/PB is implementing an adequate and effective QA program to control nonconforming items. No Corrective Action Requests (CAR) were issued as a result of this surveillance, however, three conditions adverse to quality were identified and corrected during the surveillance. All K/PB personnel contacted during this surveillance were cooperative and demonstrated a thorough understanding of their responsibilities with regards to implementation of YAP-15.1Q.