



Department of Energy
Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 98608
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SEP 20 1995

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Technical Project Officer
for Yucca Mountain
Site Characterization Project
TRW Environmental Safety Systems, Inc.
Bank of America Center, Suite P-110
101 Convention Center Drive
Las Vegas, NV 89109

ISSUANCE OF SURVEILLANCE RECORD YMP-SR-95-049 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-95-049 conducted by
the YMQAD at the Kiewit/PB facilities at the Yucca Mountain Site,
Nevada, August 21, 1995.

The purpose of the surveillance was to verify compliance with
requirements of the Kiewit/PB procedure for issuance, control,
and documentation of Quality Control Stamps used for work
involving inspection at the Yucca Mountain Project Exploratory
Studies Facility.

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 Mario R. Diaz at
794-7974 or Robert L. Holliday at 295-7992.

Richard E. Spence, Director
Yucca Mountain Quality Assurance Division

YMQAD:MRD-4551

Enclosure:
Surveillance Record
YMP-SR-95-049

YMP-5

9509250286 950920
PDR WASTE
WM-11 PDR

102.7
WM-11
N403.

SEP 20 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

ORGANIZATION/LOCATION:
Kiewit/Parsons Brinckerhoff
(Kiewit/PB) Exploratory Studies
Facilities (ESF), Yucca
Mountain, NV

²SUBJECT:
Issuance and Control of Quality Control
(QC) Stamps

³DATE: August 21, 1995

⁴SURVEILLANCE OBJECTIVE:

To verify compliance with requirements of the Kiewit/PB procedure for issuance, control and documentation of QC Stamps used for work involving inspection and tests at the Yucca Mountain Project (YMP) ESF.

⁵SURVEILLANCE SCOPE:

This surveillance includes those activities associated with the issuance, control and documentation of the QC Stamps in accordance with Kiewit/PB Quality Control Procedure, (QCP)-004, Revision 2, "QC STAMP ISSUE/CONTROL PROCEDURE."

⁶SURVEILLANCE TEAM:

Team Leader:
Robert L. Holliday

Additional Team Members:
None

⁷PREPARED BY:

Robert L. Holliday 8-21-95
Surveillance Team Leader Date

⁸CONCURRENCE:

N/A
QA Division Director Date

SURVEILLANCE RESULTS

⁹BASIS OF EVALUATION/DESCRIPTION OF OBSERVATIONS:

See Page(s) 2 through 3

¹⁰SURVEILLANCE CONCLUSIONS:

See Page(s) 4

¹¹COMPLETED BY:

Robert L. Holliday 9-14-95
Surveillance Team Leader Date

¹²APPROVED BY:

for [Signature] 9-18-95
QA Division Director Date

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

This surveillance was performed of Kiewit/PB from August 14 to August 18, 1995. The purpose was to evaluate and verify acceptability of activities by the Kiewit/PB QC personnel involving the issuance, control and use of Kiewit/PB QC Stamps as applicable to all Office of Civilian Radioactive Waste Management Quality Assurance Requirements and Description document and the work that involves Kiewit/PB QC inspections and tests at the YMP ESF.

The surveillance consisted of a review of a random sample of inspection report documentation, personnel interviews, a random sample of issued QC stamps and direct observation of individual's use and control of their QC Stamps.

Specifically the following documents were reviewed and utilized for this surveillance:

Kiewit/PB YMP, QCP-004, Revision 2, "QC Stamp Issue/Control Procedure"

The Kiewit/PB Quality Control Manager (QCM) has designated the Kiewit/PB Site Document Control Group to issue and control QC Stamps. The Lead Document Control person provided a copy of the QC Stamp Log for review. The QC Stamp Log provided by procedure QCP-004, Section 3.3 and Exhibit 5.1, is utilized for documenting issuance and control of Kiewit/PB QC Stamps. The Log includes the name of person the stamp is issued to, stamp number, initials and signature, date of issue, date stamps have been rescinded and notes as applicable, (i.e, returned, lost, destroyed, etc.). Stamps that are returned for any reason are destroyed to preclude a stamp being re-issued to anyone. Only QC personnel designated by the QCM are issued QC Stamps. During a discussion with the Lead Document Control person responsible for the QC Stamp issuance and control, it was very clear that this person was knowledgeable, contentious and adequately performs this function.

During the course of the surveillance a review was performed of a random sample selection of several different types of Kiewit/PB inspection reports, listed below, providing evidence of use of QC Stamps, and contained in Kiewit/PB Work Packages (WP); 2.21.1, 2.23.2, 2.23.3, 2.23.4, and 2.25.1 that were for the period 1/95 through 5/95. The inspection reports were reviewed for stamp use, completeness and acceptance by Kiewit/PB personnel and Reynolds Electric and Engineering Company, Inc. (REECo) personnel, assigned to Kiewit/PB, as required by Kiewit/PB procedure QCP-004, paragraph 3.1.2. It was also noted that QCP-004, paragraph 3.1.2 provides the option for use of either a QC Stamp or Signature of the Inspection personnel. The inspection reports reviewed were found to be in compliance with the procedure and acceptable. The inspection reports reviewed were:

Kiewit/PB YMP WP Review Checklist for WP 2.23.4, Line Item A-4, dated 6/19/95

Kiewit/PB YMP Traveler for WP 2.23.2, Line Item B-2, Station 8+22, dated 5/26/95

Kiewit/PB YMP Precast Concrete Segment Fabrication Inspection/Acceptance Forms for:

Segments 16-075 through 29-075, dated 3/31/95

Segments 01-076 through 15-076, dated 4/03/95

Segments 16-097 through 29-097, dated 5/17/95

Segments 13-104 and 15-104, dated 8/02/95

Kiewit/PB YMP Steel Set Installation Inspection Forms for:

Steel Sets No. 471, 472, 473, dated 5/26/95

Steel Sets No. 478, 486, 487, dated 5/30/95

Steel Set No. 492, dated 6/01/95

Steel Sets No. 496, 498, 500, 501, 506, dated 6/09/95

Kiewit/PB YMP ESF Rockbolt Inspection Forms - Rockbolt Type: Williams B7X for rockbolts installed in the ESF between Station 7+22.95 and 7+44.58, dated in the period of 5/12/95 through 5/24/95.

During interviews of Kiewit/PB and REEC Co Inspection personnel assigned to Kiewit/PB, and holding QC stamp numbers 1, 8, 27, 29, 33, and 34, the use and control methods for QC Stamps was demonstrated. This action was performed to assure an accurate accounting and documentation of the QC Stamps. No anomalies were found between the documented QC Stamp Log and the holders practices of use and control of the stamps.

Personnel interviews were conducted to ascertain that the Kiewit/PB Lead Document Control person and the QC Inspectors have cognizance and understanding of procedural requirements delineated by QCP-004. Documentation as evidence of required training of QC Inspection personnel to QCP-004 was provided by the Kiewit/PB Training Office for review and found to be in order. Based on examination of objective evidence and interviews, it is determined that the individuals have a thorough knowledge and understanding of QCP-004 guidance.

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

Jon Christensen, Kiewit/PB, Quality Assurance Manager

Karen Spence, Kiewit/PB, Lead Document Control

Howard Cox, Kiewit/PB, Quality Control QC Manager

Rufino G. Cruiz, REEC Co, QC Inspector

Terry Dickson, Kiewit/PB, QC Inspector

Sheri Gratza, Kiewit/PB, Records Specialist

Jack R. Sievers, REEC Co, QC Inspector

Charles A. Swindell, Kiewit/PB, QC Inspector

Thomas E. Wilson, REEC Co, QC Inspector

E. K. Williams, REEC Co, QC Inspector

Block 10 (continued) SURVEILLANCE CONCLUSIONS:

Based on the review of the Kiewit/PB QC Stamp Log and pertinent QC documentation, observation of individuals demonstrated use and methods of control, and interviews of personnel directly responsible for issue/control and use of QC stamps, it is felt that Kiewit/PB personnel are complying with the applicable procedure.

No deficiencies or discrepancies were found and the results of this surveillance are considered to be satisfactory.

RECOMMENDATIONS:

None

STATEMENT OF OVERALL ACCEPTABILITY:

The activities examined by this surveillance were found to be performed in accordance with procedural requirements and are considered as acceptable.