



Department of Energy

Washington, DC 20585

DEC 05 1996

L. D. Foust, 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 DR YM-97-D-012 THROUGH YM-97-D-014 AND PR YM-97-P-002
RESULTING FROM OQA AUDIT K/PB-ARC-97-06 OF KIEWIT/PARSONS
BRINCKERHOFF

Enclosed are Deficiency Reports (DR) YM-97-D-012 through YM-97-D-014 and Performance
Report (PR) YM-97-P-002 generated as a result of Office of Quality Assurance Audit
K/PB-ARC-97-06.

Please provide a response to these deficiencies that meets the applicable requirements of
Administrative Procedure 16.1Q, Performance/Deficiency Reporting. Send the originals of your
responses to Deborah Sult, OQA/QATSS, P.O. Box 98608, Mail Stop 455, Las Vegas, Nevada
89193-8608. Responses to the DRs are due 20 working days from the date of this letter.
Extensions to due dates must be requested in writing, with appropriate justification, prior to the
due dates.

If you have any questions, please contact either Mario R. Diaz at (702) 794-1489 or
Patrick V. Auer at (702) 794-1432.

Donald G. Horton, Director
Office of Quality Assurance

OQA:MRD-0462

Enclosure:
DRs YM-97-D-012 through
YM-97-D-014 and
PR YM-97-P-002

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Recip: nmss/PAHL

L. D. Foust

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cc w/encl:

T. A. Wood, DOE/HQ (RW-55) FORS
J. G. Spraul, NRC, Washington, DC
S. W. Zimmerman, NWPO, Carson City, NV
B. R. Justice, M&O, Las Vegas, NV
R. E. Armstrong, M&O, Las Vegas, NV
Records Processing Center

cc w/o encl:

W. L. Belke, NRC, Las Vegas, NV
P. V. Auer, OQA/QATSS, Las Vegas, NV
D. G. Sult, OQA/QATSS, Las Vegas, NV

**OFFICE OF CIVILIAN
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U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.**

8 Performance Report
 Deficiency Report

NO. YM-97-D-012PAGE 1 OF 2QA: L**PERFORMANCE/DEFICIENCY REPORT**

1 Controlling Document:
Kiewit/PB MCP-4.0, Rev. 13

2 Related Report No.
K/PB-ARC-97-06

3 Responsible Organization:
Kiewit/PB

4 Discussed With:
Steve Schuermann, Dave Haas

5 Requirement/Measurement Criteria:

3.1.4 states in part: Kiewit/PB engineering personnel shall perform a technical review of all PRs (Purchase Requests)

6 Description of Condition:

No documented objective evidence could be produced to demonstrate that PRs are receiving a technical review as required.

7 Initiator *F. B. (Pete) Smith*
F. B. (Pete) Smith Date 11/21/96

9 Is condition an isolated occurrence?
 Yes No Unknown; Must be Yes if PR

10 Recommended Actions: (Not required for PR)

Revise MCP-4.0 to require that the technical review of the PR be documented or delete the requirement to perform a technical review of PRs.

11 QA Review *F. B. (Pete) Smith*
QAR F. B. (Pete) Smith Date 11/25/96

12 Response Due Date

13 Affected Organization QA Manager Issuance Approval: (QAR for PR)

Printed Name *Donald E. Horton*

Signature *Donald E. Horton*

Date *12/4/91*

22 Corrective Actions Verified

QAR

Date

23 Closure Approved by: (N/A for PR)

AQAM

Date

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PR/DR NO. YM-97-D-012

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QA: L

PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required

Yes

No

17 Action to Preclude Recurrence: (Not required for PR)

Required

Yes

No

18 Corrective Action Completion Due Date:

19 Response by:

Initial

Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AQQAM

Date

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Performance Report
 Deficiency Report

NO. YM-97-D-013

PAGE 1 OF 2
QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document:

Yucca Mountain Site Characterization Project
Administrative Procedure (YAP)-15.1Q

2 Related Report No.

K/PB-ARC-97-06

3 Responsible Organization:

Kiewit/Parsons Brinckerhoff (K/PB)

4 Discussed With:

Kevin Krank, Gayln Schumacher

5 Requirement/Measurement Criteria:

YAP-15.1Q, Revision 2, ICN 1, Section 5.4, requires revisions to a Non-Conformance Report (NCR) to include the NCR Continuation Page which describes what is being revised and a delta with the revision number placed adjacent to the revision and the delta and number placed adjacent to the NCR number on all previous pages.

6 Description of Condition:

Contrary to the above requirements, 4 of 4 NCRs audited failed to meet the requirements:

K/PB-96-0002 and K/PB-96-0006 had no NCR Continuation Page used and the delta and revision number were not on previous pages.

K/PB-96-0023 - the delta was not explained, no use of NCR Continuation Page, delta and number not indicated on previous pages.

K/PB-96-0025 - no NCR Continuation Page used.

7 Initiator

Stephen D. Harris

Date 11/22/96

9 Is condition an isolated occurrence?

Yes

No

Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)

Evaluate all K/PB and Yucca Mountain Site Characterization Office NCRs within the time frame of effectivity of the procedure requirements and resolve all non compliances.

11 QA Review:

QAR

Stephen Harris

Date 11/26/96

12 Response Due Date

20 working days from issuance

13 Affected Organization QA manager issuance Approval: (QAR for PR)

Printed Name

DONALD E. HORTON

Signature

Donald E. Horton

Date 12/4/96

22 Corrective Action Verified

QAR

Date

23 Closure Approved by: (N/A for PR)

AOQAM

Date

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PR/DR NO. YM-97-D-013

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QA: L

PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required

Yes

No

17 Action to Preclude Recurrence: (Not required for PR)

Required

Yes

No

18 Corrective Action Completion Due Date:

19 Response by:

Initial

Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date

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Performance Report
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NO. YM-97-D-014

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QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: Administrative Procedure (AP) 16.1Q, Revision 1	2 Related Report No. K/PB-ARC-97-06
3 Responsible Organization: Kiewit/Parsons Brinckerhoff	4 Discussed With: H. Cox, B. Armstrong

5 Requirement/Measurement Criteria:
AP 16.1Q, "Performance/Deficiency Reporting," Revision 1, Paragraph 2.0, "Applicability," states in part:
 "...This procedure applies to performance conditions on deficiencies identified in activities subject to quality assurance (QA) program controls and shall be used by Affected Organizations to document and resolve performance conditions or deficiencies..."

6 Description of Condition:
Contrary to the above requirement, Work Package 2.25.4 B Section E, contains a Deficiency Document List and gives reference to Quality Control Inspection Work Reports (QCIRs), which are generated from QCP-009, "Tracking and Acceptance of Incomplete Construction Items," Revision 4, during the period of September 27, 1996 trough October 16, 1996. The following QCIRs appear to address adverse conditions to quality that are not documented on project recognized deficiency documents.

QCIR No.	Adverse Condition
96-0065	Item 2, as per Technical Control Procedure (TCP) Section 3.3.3, and Plan -012, Revision 1, Section 3.2.2, changes to the approved sketch require Architect/Engineer (A/E) approval in the field. This hold point requires A/E approval.
96-0072	Item 1, drill bit sizes and depth of blast holes not shown beside sketch as per TCP-2.17, Paragraph 3.4.4
96-0073	Item 1, drill bit size(s) and depth of round is not noted as required per TCP-2.17, Revision 8, Section 3.4.4
96-0075	Item 6, depth of round is not noted as required per TCP-2.17, Revision 8, Section 3.4.4
96-0076	Item 2, references D&B Plan Sketch Attachment #1, Revision 1..., there is no D&B Plan in the Work Package, nor was it attached to the D&B Record Form.
96-0078, 96-0079, 96-0080	Item 1, references D&B Plan Sketch Attachment #1, Revision 1..., there is not D&B Plan in the Work Package, nor was it attached to the D&B Record Form.

7 Initiator John R. Doyle Date 11/22/96	8 Is condition an isolated occurrence? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown; Must be Yes if PR
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10 Recommended Action: (Not required for PR)

- 1) Investigate extent of condition.
- 2) Identify deficient conditions and document on appropriate deficiency document (PR, DR, or CAR).
- 3) Continue management/QA/QC meetings on bi-weekly basis.

11 QA Review QAR John R. Doyle Date 11/22/96	12 Response Due Date 20 working days from issuance
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13 Affected Organization QA manager Issuance Approval: (QAR for PR)	Printed Name DONALD E. HORTON Signature <i>[Signature]</i>	Date 12/14/96
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22 Corrective Action Verified QAR _____ Date _____	23 Closure Approved by: (N/A for PR) AOQAM _____ Date _____
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PR/DR NO. YM-97-D-014

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QA: L

PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required

Yes

No

17 Action to Preclude Recurrence: (Not required for PR)

Required

Yes

No

18 Corrective Action Completion Due Date:

19 Response by:

Initial

Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date

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Performance Report
 Deficiency Report

NO. YM-97-P-002

PAGE 1 OF 2
QA: L

PERFORMANCE/DEFICIENCY REPORT

1 Controlling Document: **Technical Change Proposal (TCP)-2.33**
2 Related Report No. **K/PB-ARC-97-06**

3 Responsible Organization: **Kiewit/Parsons Brinckerhoff**
4 Discussed With: **Greg Bates**

5 Requirement/Measurement Criteria:
TCP-2.33, Section 3.4.1, requires a signature/date of an individual comparing manually collected data and downloaded input data for accuracy on both the manually collected data sheet and downloaded hard copy.

6 Description of Condition:
No signature/date was available on the manually collected data sheet indicating verification review.

7 Initiator *Stephen Harris*
Stephen D. Harris Date **11/22/96**
9 Is condition an isolated occurrence?
 Yes No Unknown; Must be Yes if PR

10 Recommended Action: (Not required for PR)
Obtain review and signature/date on manually collected data sheet.

11 QA Review: **QAR** *Stephen Harris* Date **11/26/96**
12 Response Due Date
20 working days from issuance

13 Affected Organization QA manager Issuance Approval: (QAR for PR)
Printed Name **Stephen Harris** Signature *Stephen Harris* Date **11/26/96**

22 Corrective Action Verified
QAR Date 23 Closure Approved by: (N/A for PR) Date

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PR/DR NO. YM-97-P-002

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QA: L

PERFORMANCE/DEFICIENCY REPORT RESPONSE

14 Remedial Actions:

15 Extent of Condition: (Not required for PR)

16 Root Cause Determination: (Not required for PR)

Required

Yes

No

17 Action to Preclude Recurrence: (Not required for PR)

Required

Yes

No

18 Corrective Action Completion Due Date:

19 Response by:

Initial

Amended

Date

Phone

20 Response Accepted

QAR

Date

21 Response Accepted (N/A for PR):

AOQAM

Date