



Department of Energy

Washington, DC 20585

QA: QA

AUG 21 2002


J. S. Whitcraft
Bechtel SAIC Company, LLC
1180 Town Center Drive, M/S 423
Las Vegas, NV 89144

ISSUANCE OF DEFICIENCY REPORTS (DR) BSC(O)-02-D-167 AND BSC(O)-02-D-168
RESULTING FROM THE OFFICE OF QUALITY ASSURANCE (OQA) AUDIT
BSC-ARC-02-015

Enclosed are DRs BSC(O)-02-D-167 and BSC(O)-02-D-168 generated as a result of OQA Audit
BSC-ARC-02-015.

Please provide responses to these deficiencies that meet the applicable requirements of
Administrative Procedure (AP) 16.1Q, *Management of Conditions Adverse to Quality*. Send the
original of your responses to Deborah G. Opielowski, Navarro Quality Services,
P.O. Box 364629, Mail Stop 455, North Las Vegas, Nevada 89036-8629. Initial responses to the
DRs are due ten working days from the date of this letter. Any extension to the due dates must
be requested in accordance with AP-16.1Q.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or
Donald J. Harris at (702) 794-1467.



Ram B. Murthy, Acting Director
Office of Quality Assurance

OQA:JB-1644

Enclosures:

1. DR BSC(O)-02-D-167
2. DR BSC(O)-02-D-168



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NMSS 07
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cc w/encls:

N. K. Stablein, NRC, Rockville, MD
Robert Latta, NRC, Las Vegas, NV
S. W. Lynch, State of Nevada, Carson City, NV
Engelbrecht von Tiesenhausen, Clark County, Las Vegas, NV
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J. E. Flaherty, NQS, Las Vegas, NV
W. J. Glasser, NQS, Las Vegas, NV
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RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
WASHINGTON, D.C.

8. ☒ DEFICIENCY REPORT
☐ CORRECTIVE ACTION
REPORT
NO. BSC(O)-02-D-167
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DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
DOE/RW-0333P, Revision 11, Quality Assurance Requirements and Description
(QARD)

2. Related Report No.:

BSC-ARC-02-015

3. Responsible Organization:

Bechtel SAIC Company, LLC (BSC) Design Organization

4. Discussed With:

Larry Trautner, James Whitecraft, Mary McDaniel

5. Requirement:

QARD

Section 2.2.1, QA Program Documents:

B. Affected Organizations shall establish implementing documents applicable to their scope of work that translate Quality Assurance Requirements and Description (QARD) requirements into work processes."

(Continued on page 2)

6. Description of Condition:

Contrary to the cited requirements, AP-3.13Q, Rev. 3, ICN 0, "Design Control":

- 1) Section 5.1.2, Control of Software and Electronic Management of Information, fails to provide the methodology that translates the QARD requirements into a procedural process and refers to BSC Information Technology Operation Policies, which are designated as QA: N/A.
- 2) Section 5.1.7, Implementation, refers to "Configuration Audits" in which there is not a process described for conducting a configuration audit.
- 3) Section 5.1.1 d), Design Planning, discusses "Client Design Reviews." The reviews are not described in AP-3.13Q or a procedure referenced in Section 7.0 references.

Has work been stopped? ☐ Yes ☒ No

7. Initiator:

Donald J. Harris

Printed Name

Signature

Date

9. Does a stop work condition exist?

☐ Yes ☒ No ☐ N/A

If Yes, Check One:

☐ A

☐ B

☐ C

☐ D

10. Recommended Actions:

NONE.

11. QA Review:

Donald J. Harris Donald J. Harris 8/6/02
Printed Name Signature Date

12. Response Due Date:

10 Working Days after Issuance

13. QAM Issuance Approval:

Printed Name

Ram B. Murthy

Signature

Date

8/21/02

14. Corrective Actions Verified/Closure

QAR Printed Name

Signature

Date

15. QAM Closure Approval:

Printed Name

Signature

Date

**OFFICE OF CIVILIAN
RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY
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☒ DR/CAR/QO
☐ SWO

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CONDITION ADVERSE TO QUALITY CONTINUATION PAGE

5. Requirement: (Continued)

Section 5.2, Requirements:

Work shall be performed in accordance with controlled implement documents.

Section 5.2.1, Implementing Documents:

The type of document to be used to perform work shall be appropriate to the nature and circumstances of the work being performed. Implementing documents include documents such as procedures, instructions, and drawings, with the exception of drawings governed by Section 3.0, Design Control.

Section 5.2.2, Content of Implementing Documents:

Implementing documents shall include the following information as appropriate to the work to be performed:

- C. A sequential description of the work to be performed including controls for altering the sequence of required inspections, tests, and other operations. The organization responsible for preparing the document shall determine the appropriate level of detail.

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8. ☒ Deficiency Report
☐ Corrective Action Report

No. BSC(O)-02-D-168

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DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
AP-3.24Q/Rev.0/ICN 1, Drawings, Effective Date: 10/30/2001

2. Related Report No.:
Audit Report No. BSC-ARC-02-15

3. Responsible Organization:
Repository Design Project

4. Discussed With:
Larry Trautner, Manager, Repository Design Project, Larry Abernathy,
Dan Tunney, Mary McDaniel, Bill French

5. Requirement:

AP-3.24Q, Rev. 0/ICN 1, Step 5.3.7 b): If reviews are not required, document the justification for not performing reviews (including those that are editorial in nature) on the Technical Review Product Summary.

AP-3.24Q, Rev 0/ICN 1, Attachment 2, *Technical Product Review Summary*, Instruction 10 (for block 10 on the form): Enter the justification for not completing an AP-2.14Q interdiscipline and/or impact review, if applicable.

6. Description of Condition:

Contrary to the above requirement the Technical Product Review Summary for drawings DWG-HBE-EL-00001, Rev. A, DWG-ATS-ME-000002, Rev. A, DWG-EDS-ME-000002, Rev. A, and DWG-DDC-ME-000001, Rev. A, did not contain a justification for not performing an impact review recorded in block 10 of the form.

Note: Four Site Recommendation Technical Baseline Drawings were sampled during the audit. All four exhibited this condition

Has work been stopped? ☐ Yes ☒ No

7. Initiator:

James E. Flaherty *James E. Flaherty* August 8, 2002
Printed Name Signature Date

9 Does a stop work condition exist?

☐ Yes ☒ No ☐ N/A

If Yes, Check One: ☐ A ☐ B ☐ C ☐ D

10. Recommended Actions:

NONE.

11. QAR Review:

James E. Flaherty *James E. Flaherty* August 8, 2002
Printed Name Signature Date

12 Response Due Date:

10 Working days after issuance.

13. QAM Issuance Approval:

Ram B. Murthy *Ram B. Murthy* *[Signature]* 8/21/02
Printed Name Signature Date

14. Corrective Actions Verified/Closure:

QAR Printed Name Signature Date

15. QAM Closure Approval:

Printed Name Signature Date