



Department of Energy

Washington, DC 20585

QA: QA

JUN 05 2002

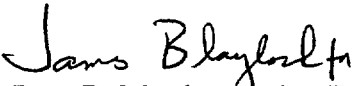
T. W. Doering
Bechtel SAIC Company, LLC
1180 Town Center Drive, M/S 423
Las Vegas, NV 89144

ISSUANCE OF DEFICIENCY REPORTS (DR) BSC(O)-02-D-120 THROUGH
BSC(O)-02-D-124 RESULTING FROM THE OFFICE OF QUALITY ASSURANCE (OQA)
AUDIT BSC-ARC-02-09

Enclosed are DRs BSC(O)-02-D-120 through BSC(O)-02-D-124 generated as a result of OQA
Audit BSC-ARC-02-09.

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
Christian M. Palay at (702) 794-1486.


Ram B. Murthy, Acting Director
Office of Quality Assurance

OQA:JB-1242

Enclosures:

1. DR BSC(O)-02-D-120
2. DR BSC(O)-02-D-121
3. DR BSC(O)-02-D-122
4. DR BSC(O)-02-D-123
5. DR BSC(O)-02-D-124



JUN 05 2002

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
H. N. Kalia, BSC/LANL, Las Vegas, NV
Cliff Howard, BSC/SNL, Las Vegas, NV
M. D. Schuhen, BSC/SNL, Las Vegas, NV
R. W. Andrews, BSC, Las Vegas, NV
G. K. Beall, BSC, Las Vegas, NV
A. G. Burningham, BSC, Las Vegas, NV
S. H. Horton, BSC, Las Vegas, NV
Asha Kalia, BSC, Las Vegas, NV
R. P. Keele, BSC, Las Vegas, NV, M/S 280
Norman Kramer, BSC, Las Vegas, NV
D. T. Krisha, BSC, Las Vegas, NV
D. M. Kunihiro, BSC, Las Vegas, NV
R. E. Rucinski, BSC, Las Vegas, NV
Roxanna VanDillen, BSC, Las Vegas, NV
N. H. Williams, BSC, Las Vegas, NV
W. J. Glasser, NQS, Las Vegas, NV
D. J. Harris, NQS, Las Vegas, NV
D. G. Opielowski, NQS, Las Vegas, NV
C. M. Palay, NQS, Las Vegas, NV
J. R. Dyer, DOE/YMSCO, Las Vegas, NV
C. E. Hampton, DOE/YMSCO, Las Vegas, NV
D. G. Horton, DOE/YMSCO, Las Vegas, NV
J. M. Replogle, DOE/YMSCO, Las Vegas, NV
B. M. Terrell, DOE/YMSCO, Las Vegas, NV

NMS507
WM 11

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

8. ☒ Deficiency Report
☐ Corrective Action Report
No. BSC(0)-02-D-120
Page 1 of ____
QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
AP-2.14Q, Revision 2, ICN 0

2. Related Report No.:
BSC-ARC-02-09

3. Responsible Organization:
BSC Science & Engineering Testing

4. Discussed With:
Rochelle E Rucinski, Roxanna Vandillen

5. Requirement:
AP-2.14Q, Section 5.2.2 d) states "If Reviewer's mandatory comments, if any, have been resolved and the concurrence draft of the technical product or data is acceptable, complete the concurrence section of the Review Record (a concurrence signature is necessary on the Review Record even if no comments were made. The concurrence signature assures that changes incorporated were made by other reviewers, have been reviewed by the person providing no comments, and that they concur with the latest draft)."

6. Description of Condition:
Contrary to the above requirement, the concurrence sections for the technical reviews of the following DTNs were found to be incomplete (i.e., no concurrence signature of the reviewer):

1. SN0108F3409100.005
2. SN0202F3409100.006
3. MO0109EBSC3CD.010

Has work been stopped? ☐ Yes ☒ No

7. Initiator:
Christian M. Palay

Chris Palay 5-15-02
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:
Christian M. Palay

Chris Palay 5-15-02
Signature Date

12 Response Due Date:

10 Working days after issuance.

13. QAM Issuance Approval:

Printed Name Ram B. Murthy

Signature

James Blaylock

Date

14. Corrective Actions Verified/Closure:

15. QAM Closure Approval:

QAR Printed Name

Signature

Date

Printed Name

Signature

Date

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

8. ☒ Deficiency Report
☐ Corrective Action Report

No. BSC(0)-02-D-121

Page 1 of ____
QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
AP-2.14Q, Revision 2, ICN 0

2. Related Report No.:
BSC-ARC-02-09

3. Responsible Organization:
BSC Science & Engineering Testing

4. Discussed With:
Hemi Kalia, Rochelle E Rucinski

5. Requirement:
For the Reviewer, AP-2.14Q Section 5.1.2 f) states: "Forward the Review Record and comment documentation to the Review Coordinator."

6. Description of Condition:
Contrary to the above requirement, there is no objective evidence that 6 out of 8 Review Records for SITP-02-EBS-001 revision 00 were forwarded to the Review Coordinator (i.e., the Records Package for SITP-02-EBS-001 revision 00 does not contain the Review Records).

Has work been stopped? ☐ Yes ☒ No

7. Initiator:
Christian M. Palay *Chris Palay* 5-15-02
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:
Christian M. Palay *Chris Palay* 5-15-02
Printed Name Signature Date

12 Response Due Date:
10 Working days after issuance.

13. QAM Issuance Approval:

Printed Name Ram B. Murthy

Signature *Ram B. Murthy*

6/5/02
Date

14. Corrective Actions Verified/Closure:

15. QAM Closure Approval:

QAR Printed Name Signature Date

Printed Name Signature Date

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

8. ☒ Deficiency Report
☐ Corrective Action Report

No.BSC(0)-02-D-122

Page 1 of ____

QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
AP-SIII.1Q, Revision 1, ICN 1

2. Related Report No.:
BSC-ARC-02-09

3. Responsible Organization:
BSC Science & Engineering Testing

4. Discussed With: Cliff Howard, Michael Schuhen, Rochelle E Rucinski, Andrew Burningham

5. Requirement:
AP-SIII.1Q, Section 5.5.4 b) states: "Resolve the comments with the Technical Reviewer. Obtain a signed statement of acceptance of comment resolution from the Technical Reviewer and attach that statement in the scientific notebook, as close to the end of the segment reviewed as possible. If the notebook is full, reference the comment resolution acceptance statement as part of the record package for the notebook."

6. Description of Condition:
Contrary to the above requirement, there is no objective evidence that the Principal Investigator of SN-SNL-SCI-024-V1 resolved the comments from the Technical Reviewer (Dated 4/23/02, on page 128 of the Scientific Notebook).

Discussion:

One of the comments from the Technical Review indicates that some level of corrective action is needed regarding a thermocouple already installed that had failed calibration. The required annual record segment was submitted to records per AP-SIII.1Q, Section 6.1 "QA Records" on April 29, 2002 without any documented resolution to the comment.

Has work been stopped? ☐ Yes ☒ No

7. Initiator:
Christian M. Palay *Chris Palay* 5-15-02
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:
Christian M. Palay *Chris Palay* 5-15-02
Printed Name Signature Date

12 Response Due Date:

10 Working days after issuance.

13. QAM Issuance Approval:

Printed Name Ram B. Murthy

Signature

James Blaylock 6/5/02

Date

14. Corrective Actions Verified/Closure:

15. QAM Closure Approval:

QAR Printed Name

Signature

Date

Printed Name

Signature

Date

ORIGINAL

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT
U.S. DEPARTMENT OF ENERGY WASHINGTON, D.C8. ☒ Deficiency Report
☐ Corrective Action Report
No. BSC(O)-02-D-123
Page 1 of ____
QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
AP-SIII.3Q, Revision 1, ICN 12. Related Report No.:
BSC-ARC-02-093. Responsible Organization:
BSC Science & Engineering Testing4. Discussed With:
Asha Kalia

5. Requirement:

AP-SIII.3Q Section 5.1.1 h) states "If data are Qualified, Acquired, or Developed, on (or after) 06/30/1999, and are not TPO, develop a Record Road Map (form AP-3.15Q.2) in accordance with AP-3.15Q, *Managing Technical Product Inputs*. Once the Record Road Map is completed, retain for processing of applicable records in accordance with Section 6.0."

6. Description of Condition:

Contrary to the above requirement, there is no objective evidence that Record Road Maps were generated and submitted to the Records Processing Center (RPC) for the following Data Tracking Numbers (DTN):

1. MO0109EBSCT3CD.010
2. MO0201THERMGRT.000
3. MO0201EBSTCRST.014.

Has work been stopped? ☐ Yes ☒ No7. Initiator:
Christian M. Palay*Chris Palay* 5-15-02

9 Does a stop work condition exist?

☐ Yes ☒ No ☐ N/A

If Yes, Check One:

☐ A ☐ B ☐ C ☐ D

Printed Name

Signature

Date

10. Recommended Actions:

None.

11. QA Review:
Christian M. Palay*Chris Palay* 5-15-02

12 Response Due Date:

10 Working days after issuance.

Printed Name

Signature

Date

13. QAM Issuance Approval:

Printed Name

Ram B. Murthy

Signature

James Bleyer

Date

6/5/02

14. Corrective Actions Verified/Closure:

15. QAM Closure Approval:

QAR Printed Name

Signature

Date

Printed Name

Signature

Date

Template AP161-7, 03/25/2002

Enclosure 4

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

8. ☒ Deficiency Report
☐ Corrective Action Report

No. BSC(0)-02-D-124.

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QA: QA

DEFICIENCY REPORT/CORRECTIVE ACTION REPORT

1. Controlling Document: (Document ID and Revision or Date)
AP-SIII.3Q, Revision 1, ICN 1

2. Related Report No.:
BSC-ARC-02-09

3. Responsible Organization:
BSC Science & Engineering Testing

4. Discussed With:
Norman Kramer, Asha Kalia

5. Requirement:
AP-SIII.3Q, Section 5.2.1 c) states " Data classified as final must be technically reviewed as provided in originating procedure or in accordance with AP-2.14Q".

6. Description of Condition:
Contrary to the above requirement, there is no objective evidence of a technical review being performed for the Data Tracking Numbers (DTN) MO0201THERMGRT.000 & MO0201EBSTCRST.014, which are classified as final in the TDMS. It should be noted that these DTNs represent "Procured Data".

Has work been stopped? ☐ Yes ☒ No

7. Initiator:
Christian M. Palay *Chris Palay* 5-15-02

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:
Christian M. Palay *Chris Palay* 5-15-02

Printed Name Signature Date

12 Response Due Date:
10 Working days after issuance.

13. QAM Issuance Approval:

Printed Name Ram B. Murthy Signature *Ram B. Murthy* Date 6/5/02

14. Corrective Actions Verified/Closure:

QAR Printed Name Signature Date

15. QAM Closure Approval:

Printed Name Signature Date